

Copy 2

# KANSAS FARMER

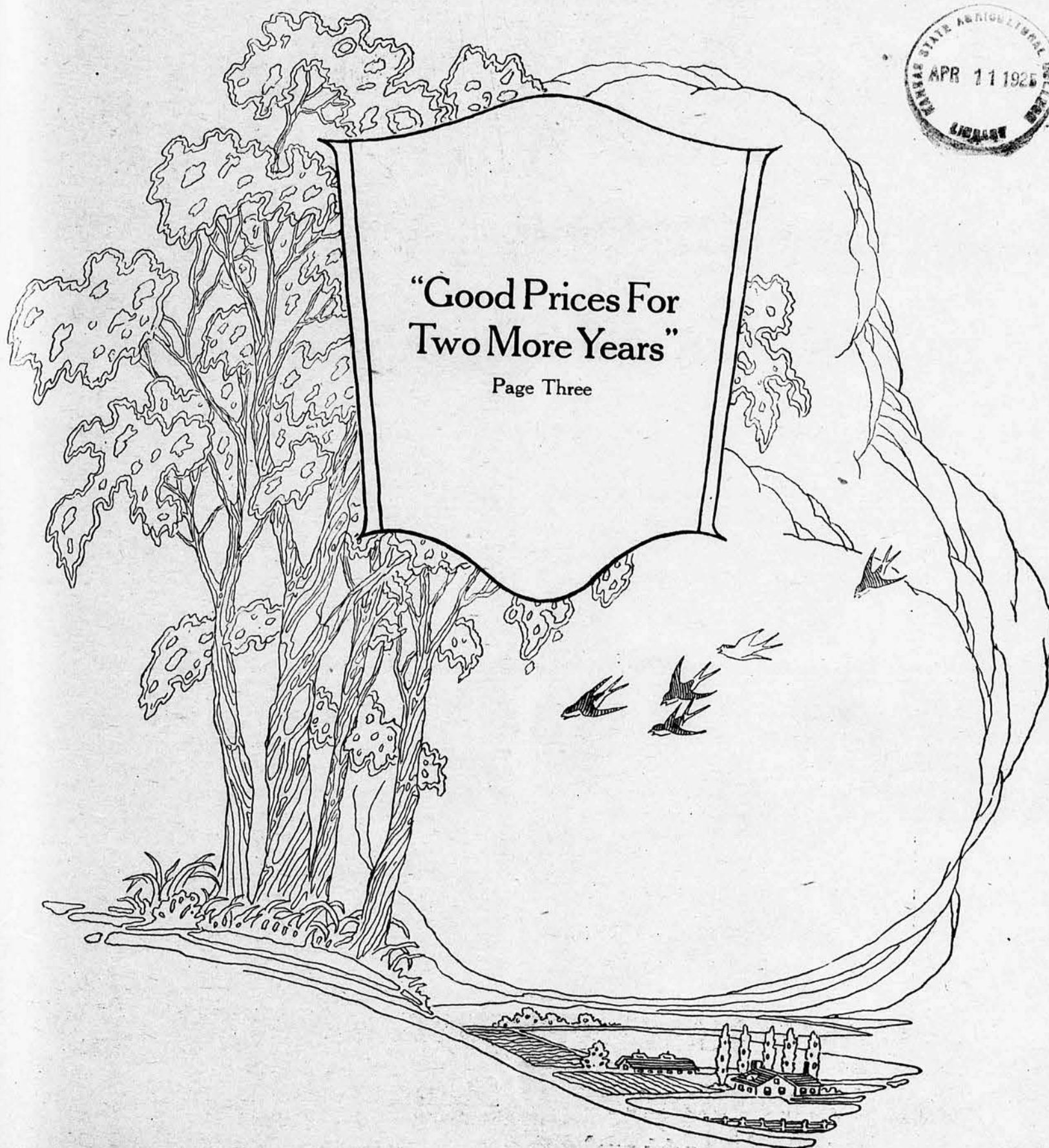
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## MAIL & BREEZE

Volume 63

April 11, 1925

Number 15





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# This Farm Was a Physical Wreck

By M. N. Beeler

**T**HE old Moorehead place was about to be sold. For several years the rent hadn't paid expenses. Recently it had barely returned enough to pay taxes. The buildings and fences were run down and the soil was in bad condition. It must have been in about the shape of the fat gent in the patent medicine advertisement before he discovered Dr. Blaha's Bone and Blood Builder.

Mrs. Moorehead had about decided to sell the place and be rid of the obligations which beset the owner of a tenant farm, when her son Ivan decided school teaching wasn't good for his health. He wasn't as badly run-down as the farm, but he realized the time to quit high school work was at hand.

He had been graduated from the Kansas State Agricultural College several years before, and during his college courses had learned a good many things that are good for worn-out land. He decided this would be a good place to try out some of the things he had learned and in turn had been teaching.

## Barely Paid Taxes

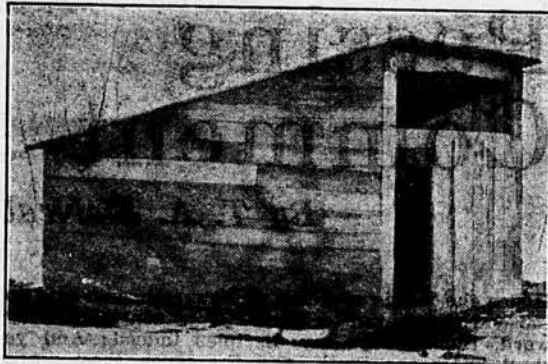
Five years ago he took charge of the home place, which is southeast of Holton in Jackson county. That year corn made 5 bushels an acre. The land was hardly in as bad condition as the yield would indicate, because that season was dry, but 20 bushels was the best yield corn had made for several years. Two fifths of that and a similar portion of wheat and oats, which was the rental, wouldn't go very far in paying taxes, maintaining fences, repairing buildings and adding fertility.

Mr. Moorehead went on a soil surveying expedition over the farm. He decided that physical regeneration was what it needed. The fertility was lower than it should have been, but the land needed loosening, the flocculating influence of organic matter, more than anything else. It was in the advanced stages of grain farming hardening. Some soils are like that. The organic matter rots out, runs out, and is consumed by plants. The ground seals up like putty. His likely hadn't been plowed deep enough.

Now five years isn't a very long time in which to test a regenerative process on a farm, but it has worked some surprising results on this place.

That's because Mr. Moorehead made a correct diagnosis. Last season his corn produced 65 bushels an acre. Of course that was a good corn year, but if the soil hadn't had something to bolster it up such a yield would not have been obtained. Land that has been producing not more than 20 bushels cannot be jumped to 65 by a fair season.

Twenty acres of his corn land had been in clover and timothy four years, and 20 acres in the same crops three years. He plowed it 8 inches deep. Manure, the timothy and clover roots and a good growth of vegetable matter turned under had loos-



This Farrowing House and Pig Brooder Was Built of Old Lumber. It Can Be Used as a Poultry House, Calf Shed or Grain Bin

ened the soil and given it new life. Mr. Moorehead attributes the increase in yields to improvement in the physical condition of the soil.

He has been using phosphates to get a stand of grass. Last year he set the grain drill to sow oats, and put acid phosphate and grass seed in the hopper together. The mixture was distributed at the rate of 125 pounds of phosphate and 11 pounds of seed to the acre. He obtained a stand, but not such a good one as the year before, when he used bone-meal as a source of phosphate. He believes the acid injured the grass seedlings last spring because

the phosphate contained so much of it that the grass rotted. The fertilizer gives the grass a good start. Manure is helping to restore the farm. He keeps the milk cows in the barn and carefully conserves the manure. Other stock is kept in the pastures and other fields where manure is needed, with movable sheds for shelter. Their manure is returned direct to the soil.

He has recently built a new dairy barn. It is on a hillside, and is provided with a concrete basement in which the cow stalls are built. Concrete floors and gutters insure the saving of all manure produced. The cream separator is bolted to the floor, and a drain carries waste water and skim-milk direct to the hog lots. A round galvanized iron ventilator extends from the basement thru the hay mow and roof. The barn has storage space for 30 tons of loose hay on the second floor.

Mr. Moorehead is practicing the McLean county system of sanitation in raising hogs. Last year his six sows farrowed and raised 36 pigs. The average farrowing date was April 30, and they were sold at 5½ months old at an average weight of 175 pounds for 10 cents. They consumed 1,200 pounds of tankage at \$3.25 a hundred, 420 bushels of corn at \$1, and 630 gallons of skim-milk at \$1.50 a hundred. The return above feed cost was \$161.53.

## Moorehead Isn't Bragging

He has three shed-shaped hog houses, 7 by 7 feet, 5 feet high in front and 3 feet in the back. They are set on 4 by 4 inch runners, and have no floors. Two are made of old lumber. The materials for one built of new lumber cost \$18.

"I prefer this type of movable house to the A-shape," said Mr. Moorehead, "because they can be used for other purposes. The A-shaped houses can be used only for farrowing and brooding pigs. The shed type can be used for housing calves, as a temporary corn crib or other grain bin, or as a poultry house or brooder. There are innumerable uses on a well-diversified farm for portable houses of this kind."

Mr. Moorehead is just beginning the improvement of his farmstead. His soil building program is only well started. "I haven't done anything to brag about," he said, "but within a few more years I expect to make a creditable showing. It takes time to build up fertility."

# "Good Prices for Two More Years"

By Finley P. Mount  
As Reported by Charles E. Sweet

**W**E WILL see good prices in Kansas, and the Missouri Valley, for at least two more crop years." The speaker was Finley P. Mount, president of the Advance-Rumely Thresher Company. We stood in his company's warehouse in Kansas City during a recent meeting of retail implement dealers. I had just asked what he thought of conditions in general, and his answer almost took my breath. "How come?" I asked.

"Well, take wheat," said Mr. Mount. "The present price of wheat is more or less speculative, and is brought about by world conditions. In 1923 foreign countries produced 700 million more bushels of wheat and rye than they did in 1924. Of this, more than 300 million bushels was wheat alone, but it was all bread grains. These foreign countries undersold us in the world market, and our prices were forced down. We had a tariff on wheat, but it did not prevent the depression because we are exporters, and the price of our surplus wheat fixed the price of our domestic sales. In 1924 we did not have so much foreign competition.

"Now 1923 was an unusual year, an abnormal year! Three things concurred, which had not done so before and probably will not again for several years; namely, Canada produced almost a double crop, considered in the light of her average production for 10 years; Argentina produced 61 million bushels more than her average for five years, and European countries, excluding Russia, produced about 15 per cent more wheat than their average. Such a concurrence of big crops might happen at any time, this year or next, but it is highly improbable that it will for several years again."

"Canada might come back this year," I ventured. "It was pretty low in '24."

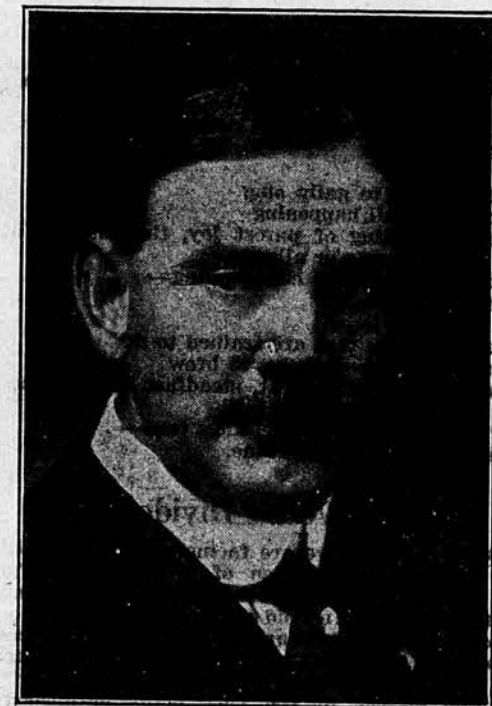
## He Predicts \$1.50 Wheat

"No, it was not," said Mr. Mount. "We hear a good deal about Canada having a failure last year, but in 1924 it produced within 9 or 10 million bushels of its 10-year average. In 1923 it had a crop tremendously above normal, and the world crop was so enormous that I do not believe 1923 wheat prices measured the proper level for the price of the grain. They were subnormal.

"I do not say prices for the 1925 crop will soar as high as they have recently, but I do believe that somewhere near \$1.50 a bushel will be more nearly the prevailing price for this year and next year at least. This year's crop will go into the market with reserve supplies almost used up, and it is unlikely that the crop will be large enough to make a very big carry-over for the next, so we are likely to see fairly good prices for the next two crops at least.

"Corn is another major crop," Mr. Mount continued. "The average production in the United States for the last five years has been 2 billion, 900 million bushels. Our uses of corn are steadily multiplying, and this country can and does consume about 3 billion bushels a year.

"In 1923 we had a big corn crop—3 billion, 54 million bushels—and at the first of last November we had only 161 million bushels of it left. The Government estimate for 1924 was only 2 billion,



"High Prices for Corn in '25 and '26," Says Finley P. Mount, President of the Advance-Rumely Thresher Company. This Article Tells of His Reasons for This Forecast

400 million bushels, and much of that of poor feeding value, so that from a consumption standpoint it really wasn't that large. But granting it was full value and adding on the carry-over from the previous year, and it still leaves us about half a billion bushels short of our normal requirements. That's why we have seen corn go up above a dollar a bushel. It must remain high, and even should we raise a 1925 crop of over 3 billion bushels, as we did in 1923, the shortage of the 1924 crop would take up the slack, and we would still be somewhat short in 1926. The answer would seem to be high prices for corn in both 1925 and 1926. We never will raise too much corn. Its uses are multiplying faster than its production."

While he was talking Mr. Mount had been standing beside a new tractor which his company had just brought out. I had heard that it cost Mr. Mount's company \$700,000 to produce the new machine, but it was built to increase efficiency, and I understood the "why" of that new machine better as the talk turned back to wheat.

## Real Competition on Way

"The wheat farmers of Canada, Argentina and Australia are in a very much different situation than we are," Mr. Mount said. "First, they have great fields not yet plowed, but which some day will be raising wheat. Second, their land is cheaper than our own. Third, the labor in the Southern Hemisphere is cheaper than our labor. Fourth, Argentina with its River Plate already has as good water transportation as we would have on the completion of the Great Lakes-St. Lawrence ship canal.

"How can we meet this competition when it comes? We cannot afford to quit raising wheat, or to raise less wheat. We have enormous areas best suited by climatic and soil conditions to the raising of wheat. We may, and of course must, diversify our crops, but the best result of diversification is to make the farm more stable and to make it more nearly a self-supporting food factory.

"There is only one sure way to meet competition in farm products—Price! And price always depends on costs. Our costs depend on land investment, labor content in the crop, and the yield. The land investment may be helped by making the farm self-supporting to the family operating it; the labor content will depend on the substitution of machine power for man power, and the yield will depend on better and more intensive farming methods, better seed selection, better seedbed preparation, better cultivation and better harvesting methods. Nearly all of these depend in considerable measure on better tool equipment. However good a farmer may be, good equipment will make him better."



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**W**HEN the price of wheat went up to \$2 a bushel I heard several men who think they are wise declare that since the wheat was all out of the hands of the farmers the gamblers had boosted the price. But it has now tumbled down below \$1.50 a bushel. Are these gamblers putting the price down now that the wheat is in their hands, or is one crowd trying to trim another?

Anyhow my opinion is that the wheat crop this year in Kansas will not be much more than half as great as last year. With a good rain or two many of the fields in Central Kansas which look bad now will come out and make a fair crop, but there is a good deal of it blown out of the ground. No amount of rain will help that. I might say also that the Kansas farmers who do happen to have a crop will likely get a good price for it, not less I think than \$1.50 a bushel.

## He Has a Job Now

**T**HE other day a man came to me and said he had a job. For months his health has been poor. He had looked to me like a person who was just about at the end of the trail, but getting that job changed his whole view of life. He looked like a man who was nearly well and getting better fast.

Now he was not shamming before he got the job, and he was not shamming after he got it. I have a profound sympathy for the man who is out of a job and isn't reasonably sure that another is in sight and I am satisfied that pensions have lengthened the lives of many old soldiers, for they knew they were above actual want. On June 30 of last year there were 146,748 veterans of the Civil War drawing pensions. Probably 110,000 are still alive, and most of them are more than 80 years old. If the Government paid no pensions there would not be half that many living.

## 18,000 Laws to Obey

**I**HAVE not written much about the last legislature. As legislatures go I think it will average up pretty well, but our legislative system is cumbersome and inefficient. The wonder to me is that we do not have even more foolish and unnecessary laws.

Senator Reed of Missouri is quoted as saying that the states have 18,000 laws which in theory the people are familiar with and expected to obey. We know that the citizen of average intelligence and good intentions does not know half the laws.

Now how can a person be expected to obey a law if he does not know what it is?

Our two-house system, contrary to a wide-spread impression, tends to multiply laws. The theory was that one house would act as a check on the other, and therefore prevent the passage of unnecessary bills. Experience has shown, however, that there has been a tendency to pass the buck from one legislative house to the other.

There also is the rush at the close of every legislative session when bills hastily considered are enacted into law. Already it has been discovered that the last legislature did things which it is evident the members did not intend to do, and did not know they had done. I am more than ever convinced that the proper system would be a small and carefully selected body sitting without limitation as to time. I also would have a check on the acts of such a body by providing that two-fifths of its membership might refer any general law to the people. With that check I believe it would not be necessary to refer many laws to a popular vote.

## The Christian Science Position

**K**INDLY permit me to say thru your columns that Christian Science does not teach that "to say a condition does not exist does away with that condition," as stated in the Kansas Farmer of March 28, under the caption, "Girls Swear More Now?" Neither does it teach mental suggestion, as might be inferred from another statement in the same article.

"Christian Science is the law of truth, which heals the sick on the basis of the one Mind or God." And is so defined by Mrs. Eddy in her textbook, "Science and Health with Key to the Scriptures," page 482. A knowledge of this law of truth and a right application of it to an erroneous condition is what does away with such a condition.

# Passing Comment

—By T. A. McNeal

Hence the words of Jesus of Nazareth who said to those who believed on Him: "If ye continue in my word, then are ye my disciples indeed; And ye shall know the truth, and the truth shall make you free."

Without a working knowledge of Christian Science, gained thru the study of the Bible and the Christian Science textbook, "Science and Health," by Mrs. Eddy, one quite naturally is not competent to differentiate between her teachings and the various systems of suggestive therapeutics so popular in this age. Such a knowledge however, is always followed by so great a sense of joy and gratitude for the freedom from bondage to disease and various forms of evil, and for other countless blessings hitherto unknown, that one no longer thinks of holding up to ridicule the teaching thru which so much good has come, or classifying it with systems based upon the so-called mortal or carnal mind which has no abiding place in truth. Topeka, Kan. Frank A. Updegraff.

I might call the attention of Mr. Updegraff to the fact that the statement he objects to was not my statement but was made by Mrs. Cora Bartlett of Harper. I refuse to be dragged into a discussion of the merits or demerits of Christian Science or any other religion.

## Mine, Just Mine

BY HALLIE JENKINS

Mine, just mine, my tiny world  
 Wherein Spring's banners are unfurled  
 Mine, my home and garden small, and the blue sky  
 arching over all,  
 And the young green leaves so tightly curled—  
 Mine, just mine.

Mine the view from my window-pane  
 And the crocuses, gay, I see again  
 And the children skipping to and fro, who play  
 their games and seem to know  
 Why the robin sings his sweet refrain—  
 Mine, just mine.

Mine the sun that wakes from sleep  
 Those adrift in night's soft deep  
 Mine the sunset's glorious glow, as its streamers  
 reach from the earth below  
 And to the top-most cloud do creep—  
 Mine, just mine.

Mine the gift to gaily sing  
 Over each small happening  
 Mine the finding of purest joy, that naught but  
 Death can e'er alloy  
 To these wee gifts I closely cling—  
 Mine, just mine.

Mine, my hands that are trained to do  
 So many things—to bake, to brew  
 To work with an earnest, steadfast will, to cheer  
 the sad, to aid the ill  
 May I ever own these blessings true—  
 Mine, dear Lord, and Thine.

## Beatrice Would Divide Truth

**T**HE problems we are facing each day," writes Beatrice S. Snowden of Pueblo, Colo., "get worse instead of better. Secret orders and quitters of the grand old party that has ruled our nation these many years have knocked so many props from under our party that it is hard to stem the tide. We no more hear the true ring of a patriotic speech, or see very many enthusiastic Christians. Religion and Democracy are at a very low ebb. The enemy has almost accomplished his purpose in getting us into this condition, and the only way for us to get out of his clutches is to put on the whole armor of God and fight our way with the sword of the spirit, rightly dividing the word of truth."

Just what Beatrice means by the last statement I do not know. Why should she want to divide the truth?

I get a good many of that kind of letters, varying in wording but of the same general purport.

I wonder if it has occurred to the writers that they are furnishing decidedly powerful arguments to the ungodly. According to the orthodox theological theory Christ was sent to the world to save it nearly 2,000 years ago. In one breath His ministers proclaim the spread of His authority and the success of His mission, and in the next, as in the letter quoted we are told that conditions are constantly growing worse. The two statements cannot be harmonized, and if Beatrice is right then after nearly 2,000 years of trial Christianity as a world saving agency has proved a failure.

My own opinion is that Beatrice is mistaken, and that Christians and sinners alike are better than she gives them credit for being. Of course if we had more sense we would behave ourselves better than we do, but lack of sense is not a fault, it is a misfortune.

## Bathing Costumes are Immoral?

**A**ND here comes Mrs. Myrtle McMillen of Bushong, who also is concerned about lax morals, styles of women's dress and editorial opinions. She says in part:

"The lax moral state that people have gotten into is not apt to improve so long as it is encouraged by parents, teachers, ministers or editors who say it is not so bad and that some are taking the moral condition of the young too seriously; or that the bathing costumes are not immoral or immodest and that they think women dress more sensibly than they ever did, when they dress the same in zero weather as in the summer. I fail to see the principle in teaching the young child that if he hurts others he must expect them to hurt him, or if one expects his brother to help him he must help his brother. I think that selfishness and strife will be more apt to result from such teaching than from a lack of it. If we would avoid selfishness and strife, we should teach our children to refrain from hurting others because they do not like to have others hurt them."

A woman's processes of reasoning I must confess are often entirely beyond me. Myrtle objects to my statement that the child should be taught that if he hurts his fellow he must expect to be hurt in turn, but she thinks it is all right and eminently proper to teach the child that as he does not want to be hurt he should not hurt others. If there is any difference in principle between her statement and mine I am too obtuse to perceive it.

Now I do not know that I have met Myrtle, altho I may have. She and other ladies who feel as she does are not compelled to dress according to the prevailing fashion. I am wondering if she does. If the present fashion of woman's dress is unseasonable and immodest then practically all the ladies of my acquaintance dress immodestly and unseasonably.

So far as bathing costumes are concerned, they have not changed to amount to anything within my recollection, the difference being that a great many more women and men enjoy surf bathing now than did when I was a lad.

The difference between myself, a confessed heretic, and the ultra-religious people seems to be that I have more faith in Christianity than they have. They seem to think it is a failure: I do not think so.

## It's the Same Old Line

**W**E ARE apt to think that our troubles and our opinions are new. They are not; on the contrary they are as old as organized society. When we hear some one say with great positiveness that the world is growing worse we are apt to take it for granted that the person knows what he is talking about; but men have been saying the same thing for thousands of years, and if the world lasts another 100,000 years they will still be saying it.

They are half right and half wrong. They are right when they say that there is a great deal of meanness and wrong in the world. The person who insists that everything is all right is a fool, but I say that there is more good in the world and less misery in proportion to the population than there ever was. Furthermore, I take issue with the statement that it is easier to do wrong than right. Just the contrary is true: it is easier to be honest than to be a crook; it is easier and more pleasant to be kind and accommodating than to be mean and



crabbed and selfish in the ordinary acceptance of the meaning of that word.

A good many persons do not believe that because they have had the foolish doctrine pumped into them that evil is pleasant and good is disagreeable. The path of duty and righteousness is described as narrow, steep, rocky and beset with thorns, while the evil road is described as broad, smooth, flower bordered and leading thru a land of delight. That is a lie, a miserable, foolish lie.

### Brief Answers to Inquiries

**ERASMUS**—Education is a good thing, provided it is the right kind, but it does not necessarily make a man a useful citizen. Some of the greatest fools I have known were highly educated.

**LILY**—You say this young man drinks, gambles and plays around with other women, but you love him and think he loves you, and after you are married you think he will quit his bad habits. Don't fool yourself, Lily. This young fellow either wants you or he does not. If he doesn't want you badly enough to quit now you can pretty safely bet that he will not quit after he has you tied up with marriage bonds. The trouble is that he thinks you are so crazy about him that he can work you just as he pleases—and I am not certain that he isn't right about it.

**J. B.**—I do not know whether you can make a success of farming. I will say, however, that the successful farmer needs to have a head full of common sense, and also must be willing to work and save. Despite the fact that the farming business has not been very prosperous for several years some farmers have made money right along, altho so far as I could see they had no better chance than the ones who failed. It depends pretty largely on the man and fully as much on his wife. Blessed is the farmer who has a good, sensible wife; not a drudge but a real helpmate and adviser. I have found that nearly every successful farmer I happen to know has a wife with as much sense as he has, and sometimes she has more.

**LEMUEL**—I will not advise you about purchasing a toupee. I have a friend who is in the business of selling toupees, and I do not wish to crab his business. All I can say is that for the last 10 years he has been trying to get me to buy a toupee. He has not sold me one yet. About the time I am almost persuaded I look at some bald-headed bird who is wearing one, and then I tell my friend that I am not ready to buy.

**SPIRITUALIST**—I do not know whether you can communicate with spirits of the departed. I have been waiting for years for a message from some one of my departed friends, but it has never come. That, however, does not prove anything one way or the other. A short time ago I read in a Spiritualist magazine what purported to be communications from Bob Ingersoll and Mark Twain. They discouraged me a good deal. If they were genuine then Bob and Mark have slumped intellectually since they went across. If they have deteriorated to the extent shown by these messages, what mental condition must the ordinary plug citizen who has departed from this life be in? A plug citizen who didn't have much sense when he was alive must be insufferably stupid as a spirit.

**AGATHA**—You ask me if the fact that the hen is provided with the peculiar style of feet with which she can scratch for worms for her chicks, and also the fact that she and her brood are pro-



vided with bills with which they can catch the unwary bug, does not furnish proof of divine care. Looking at it from the standpoint of the hen, Agatha, it perhaps seems that way, but how about it from the standpoint of the worm and the bug?

**PANSY**—Whether this is to be regarded as a good world or the contrary depends on the viewpoint. A large and flourishing colony of fleas living in luxury on the blood of a large fat dog no doubt think it is a very desirable world. The dog probably has considerable doubt about it; you see, he furnishes the blood.

### Has Plenty of Work

Is it right for a husband to compel his wife to get out of bed at an early hour every morning and work from early morning until late at night every day of the week including Sunday? He always seems to have some work figured out to do that he cannot wait for a day longer.

No. Of course it is not right.

### B is Out of Luck

In 1897 A died, leaving an estate to B, a son, C a daughter, and D a granddaughter. A's granddaughter, D, is a daughter of a daughter who

died before A made the will. This will was contested by C, and before final judgment was made by the court C died, leaving a will creating a trust fund, the income from this fund to go to D during her life, it specifying that in event of D's death the fund was to go to E and F, C's lawyers, leaving nothing to B. Has B an interest in that fund in event of D's death, or in event of the death of E and F?

Apparently he has not.

### Thirty Days is Necessary

A owns land which he has leased under a verbal contract to B. In giving B notice to vacate should this notice be given by registered mail or should A go to him in person and give the notice? Y. Z.

If the notice is delivered 30 days before the expiration of the year it would be a valid notice if delivered thru registered mail or in person. The essential thing is to be able to prove that B did receive the notice more than 30 days before the expiration of the lease.

### A School for Girls

Are there any schools in either Kansas or Colorado where a grown girl who has not graduated from the eighth grade could attend and take up other work such as music, drawing and sewing, and where she would be in the care of some good matron? Are any of those old fashioned boarding schools still in existence?

Write to the College of the Sisters of Bethany, Topeka.

### Must He Make a Deed?

B bought an acre in triangular shape, with buildings, from A. A contract was drawn up by a notary public and signed by A and B. After final payment is made A refuses to give a deed to the acre, saying all B bought was inside the fence, which proves to be a little more than half an acre. Can A be compelled to give a deed to the whole acre?

W. H.

If this land was described by metes and bounds in this contract, then all A could be compelled to do would be to give a deed for the land described by such metes and bounds. If he agreed to deed to B an acre without actually describing the boundaries of the tract deeded, A would be required to give him an acre. The rights of both A and B would be determined by the language of the contract.

### B Gets the Farm

A and B are husband and wife. They own a farm in Kansas. The deed to the farm is in A's name. They have no children, but A has brothers and sisters. If he should die without will would his brothers and sisters get part of this farm or other property? Or if B should inherit all of the real and personal property would it be just a life interest, and at B's death would the property go to A's brothers and sisters, or would the farm be absolutely B's to sell or dispose of as she sees fit?

E. Z.

The farm and all other property belonging to A at his death without will would become absolutely the property of B, his surviving wife, to dispose of as she saw fit.

## Secretary Jardine is Right

**A** FINE business-like review of the situation which today confronts American agriculture was issued a few days ago by the new Secretary of Agriculture, W. M. Jardine. I have studied it with interest, and am especially impressed with his belief that from now forward "the success of farmers will hinge in the main on their own individual and collective efforts." He also believes "farmers have been making important adjustments to meet the situation."

Secretary Jardine is right on both points. The heroic effort of farmers to put their own house in order during the last five years has been one of the striking developments in American economic and social life.

The farmer is by nature an individualist. He looks to himself for help first. All he has ever asked is equality for agriculture. By cutting costs, changing production systems and studying market demands, he has done much to meet modern conditions—those of 1925. In recent years there has been a tremendous growth of diversified farming. And in the last few months, in the more favored sections, he has made much progress in paying off old loans. There are wheat growing communities in Central Kansas that have eliminated 75 per cent of the "floating" debt—not mortgages—accumulated during the lean years. Other neighborhoods have not done so well, especially where cattle raising is a leading industry, but in all cases a large part of the profits, if any, from last season's work have been used to reduce old accounts.

As a result of his intelligent efforts, the farmer has gone a long way toward a new and sounder prosperity. And he has shown foresight in working with his neighbors toward better methods of selling. Co-operative marketing is making tremendous strides in the United States; nearly 3 billion dollars' worth of products were handled in that way last year. I know failures have occurred and that there have been ventures which have met with no more than an ordinary success, but don't we find such examples in all lines of American business?

Farmers have done some excellent pioneering in this field, which is going to be of increasing consequence in American life, and I am mighty glad President Coolidge and Secretary Jardine have such a profound interest in the co-operative marketing movement. It was a pleasure to see it featured in the meeting recently called at Washington by the United States Chamber of Commerce and Secretary Hoover.

There is nothing destructive in what the farmers are doing in this direction. It is the best possible means of co-operation with city business, which is interested in having agriculture develop as high a buying-power as possible.

City men are looking to the rural markets today as they never did before, and have a more hopeful understanding of the situation. This was again impressed on me last week, at a meeting of the Cleveland Chamber of Commerce which I attended. These Cleveland folks showed they understand this co-operative effort is to eliminate waste in marketing, put efficiency where there has been inefficiency, and thus promote the interests of both producer and consumer.

An encouraging angle to the co-operative marketing movement is that it has given producers a better idea of industrial life. This is of greatest consequence in our modern economics system, with its hair-trigger adjustments. When city life is prosperous the home market for American food, which is the important one, is improved to the degree of that prosperity. In days to come it is going to be mostly a case of share and share alike; city and country life will be bound together in an economic way much closer than ever before. And unless there is a war or some other great calamity there, the European food market will gradually fade out of the picture.

There are, of course, several places where the Government, and city business men, can assist agricultural progress. For one thing there is the matter of transportation rates, which are out of line, and which place an undue burden today on bulky farm products. The entire freight rate

structure of the country needs to be overhauled, and placed on a sane basis. When this is done considerable relief will be afforded to American producers. And much progress can be made in the development of inland waterways, especially on the Ohio, Mississippi and Missouri Rivers, and with the Great Lakes-St. Lawrence project.

More help can be given by the Government in co-operative marketing. I look for further marketing legislation at the next session of Congress, probably along the lines of the Capper-Haugen bill, which will be of substantial value.

And Congress can continue to watch the credit situation. I think the Federal Land Bank system of today, with more than a billion dollars in assets—by far the largest agricultural credit organization in the world—is a tremendous demonstration of what a little Government help in the right place can do in getting a new movement started. It has been of vast benefit to farming, and thru that industry to the nation as a whole.

Again I wish to say that thru all of this time of economic trial in recent years, farming has not tried to build itself up at the expense of city business. I know there have been proposals for agricultural relief which have had a rancid smell, but you can notice that the products of such defective thinking have not been enacted into laws.

Farmers and their leaders have been building with a true vision, toward the goal of permanent agricultural prosperity and equality, and without a destructive thought toward other industries. As a result their work is lasting. It is a real contribution toward that happier American life upon which we are entering, in which city and rural folk will travel together into the best period our nation ever has known.

*Arthur Capper*





Harvey S. Firestone, Akron, O., Internationally Known Tire Manufacturer, Has Become a Polo Enthusiast and Has Organized a Team With His Sons. Left to Right—Raymond C., Russell A., Harvey S., and Leonard K.



Mrs. A. J. Drexel Paul, Member of One of Philadelphia's Oldest Families, Whose Life Was Saved by Bronchoscope Operation by Dr. Chevalier Jackson, Inventor of That Instrument. Illness Was Result of Cosmetics Poisoning



Led by U. S. S. California, First Line of Battleships Seen Steaming into San Diego Harbor, Calif., at Conclusion of Battle Practice of Combined Atlantic and Pacific Fleets



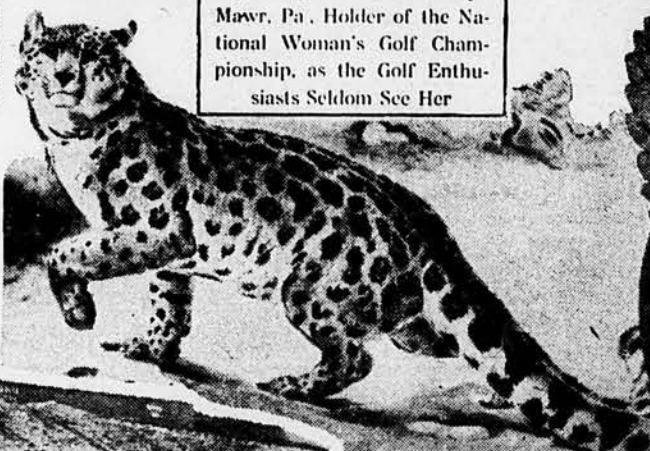
At Left Above, Gloria Swanson, Famous Movie Star, and Her Recently Acquired Husband, the Marquis Henri de la Falaise, Arrive at New York on S. S. Paris



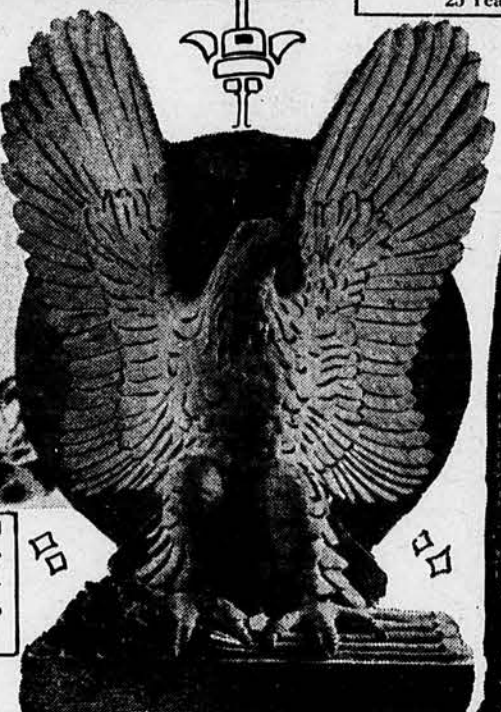
"Miss 1900" and "Miss 1923," Who Show That Today, with Skirt Hem Near Knees, Hosiery is from 10 to 16 Inches More Important Than It Was 25 Years Ago



Studio Portrait of Mrs. Dorothy Campbell Hurd of Bryn Mawr, Pa., Holder of the National Woman's Golf Championship, as the Golf Enthusiasts Seldom See Her

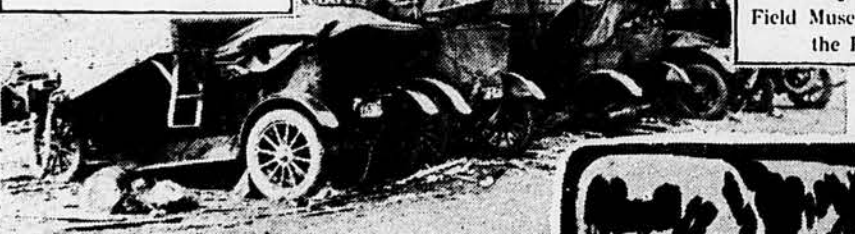


The "Ounce" or Snow Leopard of Northeast Asia, Which is One of the Objects of the Roosevelt-Field Museum Expedition into the Pamir Plateau

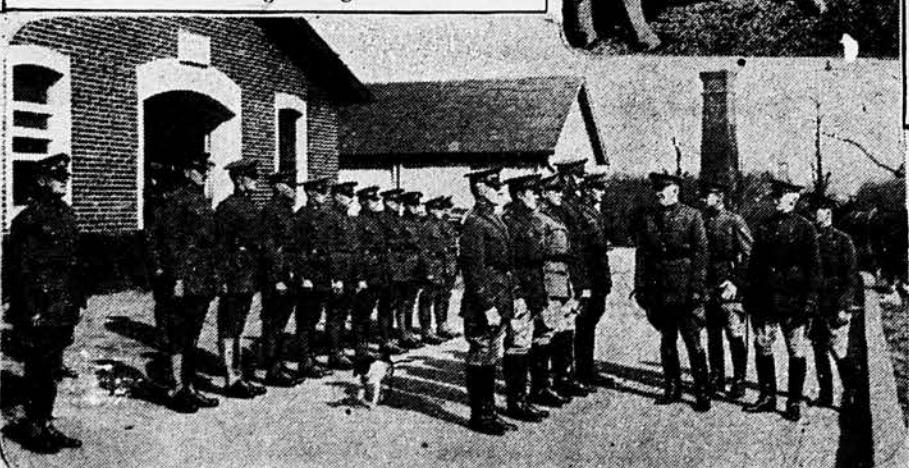


Spirit of America in Granite, an American Eagle, to be Dedicated as Memorial to Soldiers of N. Y. State on Famous Civil War Battlefield of Gettysburg, Pa.

Fords Damaged When Steel "Gondola" Freight Car, Hurlled by the Tornado, Landed Squarely Atop Them, at West Frankfort, Ill



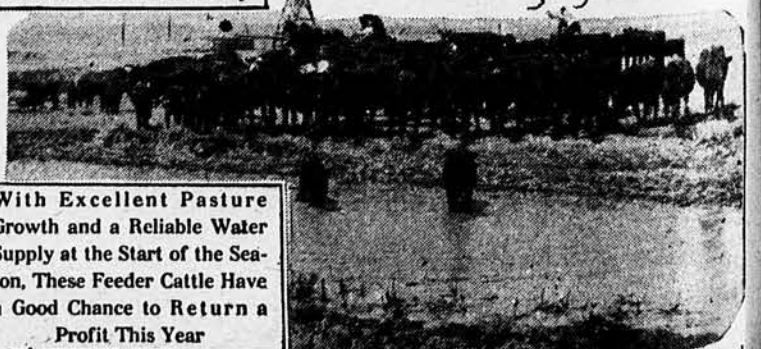
Below, Five Members of Official U. S. Army Polo Team Selected to Represent U. S. A. in Second International Series with the English Army, Standing Inspection Before Leaving for England



World's Greatest Milk Cow, at Left, Segis Pietertje Prospect, a Purebred Holstein-Friesian, is Dead. She Headed Lists of all Breeds, all Ages for Milk Production. Her Highest Record Was 100 Pounds a Day



Half the U. S. Counties Were Represented in Nation-Wide Seed Corn Test in Chicago. Mrs. Elsie M. Paluska, Illinois, Won First Prize of \$1,000 for Best Ear Shown Above



With Excellent Pasture Growth and a Reliable Water Supply at the Start of the Season, These Feeder Cattle Have a Good Chance to Return a Profit This Year



# How Williams Takes the Irk Out of Silage Feeding

**F**EEDING silage is a short job on Lewis Williams's farm in Lincoln county. He has two pit silos built on the brow of a bank. Just at the foot of the hillside he has erected a concrete feeding trough, 50 feet long. Silage is drawn from the silos with block and tackle by horse power. When the big bucket is high enough to clear the collar of the silo, the boom is swung around to a chute and the silage is dumped. The chute leads to the concrete trough. It takes but a few minutes to distribute the silage.

The trough forms a cap to a masonry retaining wall, which prevents the bank from caving. Formerly the trough was of wood, and Mr. Williams conceived the plan of building the wall to hold the bank and of using the wall as a foundation for the trough. A drain has been installed in one end so water will run off.

The bank where Mr. Williams has his feeding establishment forms a semi-circle facing south and east. It thus forms a shelter for stock from north and west winds. Cattle sheds and barns are built against this bank.

The pit silos are 16 by 32½ and 14 by 32½ feet. The small one built several years ago cost about \$50 for materials and for labor that was hired. The larger one built last fall cost more, for more labor was employed. The first one was plastered. The other has not been finished below the collar. Corn reached the right stage before the pit could be plastered. It is possible to use pit silos in this way, but of course more of the silage is wasted.

## Reds or Utility Companies?

**W**ITH its new member from Seattle, William E. Humphrey, described by Senator Norris of Nebraska as "the most reactionary man in the United States," the Federal Trade Commission has become a conservative body by 3 to 2. It has taken several votes as to policy. Hereafter if a complaint of "unfair practices" is made, nothing will be said about it, unless in a final decision. By another vote the commission as reorganized refused to comply with the Senate resolution to investigate the sources of propaganda against public ownership of public utilities, this being added as an amendment to the resolution calling for an inquiry into the tobacco industry. The commission refused by 3 to 2. "We are not going on any smelling expeditions," the majority serves notice.

This ought to be regarded as a relief by the country, if it indicates a general policy. Why hunt down the sources of propaganda against public ownership when everybody knows that this propaganda is carried on by the public utilities? They may pay for it, and that is their business. As for propaganda for public ownership, of course, that comes from the Reds. So the question of utilities can be argued on its merits: Do you want to be governed by the Reds, or by the public utility companies?

## Cleaning up in Nebraska

**T**IME was when Nebraska jeered at Kansas prohibition, but Nebraska's legislature now is not more than a length behind Kansas in its enforcement law, the governor having signed a bill increasing punishment for first offenses and setting up a Nebraska definition of a bootlegger. Any person having more than a pint of liquor in his possession is presumed to have it for sale.

Nebraska has a large contingent of Germans, and many of them make wine from their own grapes. They have not been so fully converted to prohibition that they cast their home-made wine out of the house and cease making it. But, on the other hand, they would scorn to sell it.

Nebraska's new law presumes what is contrary to fact, that these citizens have more than a pint because they have it for sale and are therefore bootleggers, but it saves a good deal of trouble to

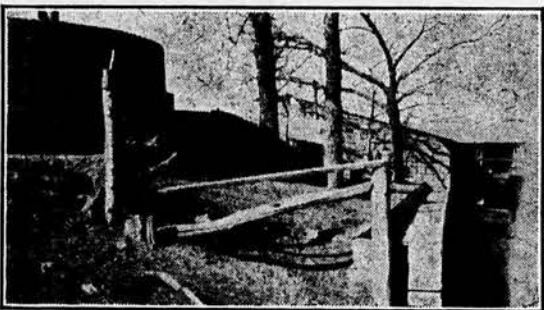
the state in making Nebraska bone dry. According to Nebraska federal prohibition enforcement officials, this new law will clean up the state in short order. "It will never be perfect," says the Lincoln State Journal. "All laws have their violators. But prohibition in this state is evidently destined to be as well observed as other laws."

## Styles One Can't Explain

**A**S AFRICAN ostrich farmers are facing insolvency, owing to the declining popularity of ostrich feathers, a great movement is described in England to bring these decorations back into fashion. It probably will be a failure. Fashions are not dictated by such considerations. In fact there is a mystery about styles and fashions, and not only in clothes. Who can fully account, for instance, for the immense popularity of Calvin Coolidge with all classes of people? Or, take Mayor Thompson of Chicago a few years ago, or Mayor



No Heavy Interest Charges Here. Materials for the Smaller Silo Cost \$50. The Other Was More Expensive Owing to Hired Labor



At the Right Is Williams's Concrete Silage Feeding Trough. A Chute Conveys Vitamines and Sour Corn to It From the Pit Silos

Hylan of New York today. Thompson was pro-German. Every newspaper was against him. Wall Street odds are reported to be 3 to 1 that Hylan will be re-elected for a third term as mayor of New York, notwithstanding that no "respectable" persons are for him, and he has made the worst mayor of New York since the Tweed gang. How is his popularity to be accounted for? There are political styles, like styles in clothes, which carry everything before them for a time. It is useless to contend against them with mass meetings, resolutions and movements.

## \$3,000 a Day for Iola Farmers

**T**HE most enthusiastic business meeting ever held in Salina between the members of the Chamber of Commerce and Saline county farmers occurred recently at a luncheon where F. S. Bennett, president of the Iola, Kan., Chamber of Commerce, and owner of the Stony Point Stock and Dairy farm, near Carlyle, made an address on the need for a condensery and cheese factory in Salina.

A number of farmers were present. After the

meeting the farmers organized with the intention of locating a plant there. C. C. Schoffner of Kipp was elected chairman of the rural committee, with Ed Allison, Culver; Philip Moreen, Hedville; R. H. Graham, Salina; Alfred B. Hagg, Salina, Route 6; I. B. Markley, Bennington; William Bell, Bavaria; W. C. Anderson, Tescott, and William Schultz, Gypsum, as members.

"There were 12 reasons why we wanted a condensery," Mr. Bennett declared. These reasons he said were: That it brought a payroll of \$3,000 daily to the farmers. It increased the financial possibilities of the farm to such an extent that it would induce the boy and girl to remain on the farm. It increased the fertility of the soil. It increased grain crops and the home market for them, for every farmer every day in the year. It meant the establishment of a dairy center. It was an opportunity for the farmer to plan his business a year ahead. It brought about better livestock with better prices. It increased land values. It caused less taxes and more money to pay them. It meant better farm homes, and an increase in the rural population.

## Reviving Human Sacrifice

**B**ITISH authority is severe and British greed is brutal in some things in the government of India, but in inflicting the death penalty on a former native official, Mulchand, and his two sons for the murder of his daughter as a human sacrifice to the goddess Kall, in an attempt at revival of one of the most ancient religious ceremonies, the British government does a humane thing. How far fanaticism might go in such reversions to old superstitions if not checked by the heavy hand of authority it might be hard to say; it might easily spread in some backward regions like a prairie fire.

There was a similar case in California the other day where a farmer died as the effect of being branded on various parts of his body, as a propitiation of some new California occult deity. California seems to gather up strange cults and fanatics. But California authorities will do well in this case to prosecute the religious cranks who murdered Schalow with the same vigor as the English have shown at Calcutta.

Prior to Abraham of the land of Ur in Chaldea some 3,000 years ago, human sacrifice was a universal practice. The story of his connection with this practice is one of the great chapters in the history of the emancipation of the spirit of man. Abraham himself was brought up in it, and knew nothing else. In the course of a normal religious experience at that time he was led to consider the sacrifice of his son Isaac. He made every preparation for it, but at the supreme moment the soul and mind of this man revolted. Abraham's ingenuity in substituting a goat for human sacrifice and his genius and initiative in rejecting a universal human practice, in assuming the responsibility for breaking with the 100 per cent religion of his age, mark him as one of the heroic figures of history.

For his own race this act of monumental courage ended human sacrifice for all time. It was as great an achievement as the invention of the wheel or the alphabet in emancipating the human mind. Due credit probably has not been given Abraham for his initiative and courage in refusing to sacrifice his son, Isaac, even at the supposed command of Deity. But 35 centuries after that heroic revolt from superstitious custom it is not to be believed that society will tolerate the revival of human sacrifice anywhere on this globe.

## 450,000 Cars This Year?

**M**OTOR vehicle registration may reach 450,000 this year in Kansas. It was 414,793 in 1924, the high water mark, but so far it is running well ahead of a year ago. Frank J. Ryan, secretary of state, has received 360,416 applications; up to the same time a year ago the number was 313,582, which is a gain of nearly 47,000.

## Egg is 8⅞ Inches Around

**L**EWIS PICKERELL of Minneapolis, the postmaster, has an egg, laid by a Rhode Island Red hen, 8⅞ inches the long way, and 6½ inches the other; it weighs 5½ ounces.



The Activities of Al Acres—Slim Says It's His Turn to Take a Vacation!



# Zinc Insulated AMERICAN FENCE

## Strength and Durability

Zinc Insulated American Fence with its heavy uniform zinc insulation against rust is as different from ordinary fence as Banner Posts with their railroad rail construction and slit wing anchor plate are different from ordinary T-Steel Posts.

Banner Steel Posts with their railroad rail design have the strength to hold the fence securely in line, plus the solidity to withstand the strain of installation and many years of hard service.

## Easy to Attach Line Wires

Continuous rows of notches close together, running up and down both sides of the post, provide easy attaching of line wires.

Wires easily fastened with Zinc Insulated "Hump" Fastener, which snaps on both sides of the post and holds wires securely.

Also note how the notches extend out and away from the body of the fence so that snow, moisture, etc., cannot lodge, and start rust.

## Large Anchor Roots the Post Into the Ground

Note the split fins. As the first fin cuts a slot in the soil the second fin crowds dirt over it and the third fin closes the opening cut by the second. Banner Posts hold their anchorage while the fence is being stretched. Design Patented.

American Zinc Insulated Fence (insulated against rust) and Banner Posts are sold at no extra charge, yet give you so many more years of service, that they provide the most economical fence you could own. See them at your dealer's.

Practically all of the leading railroads in the United States use our fence and posts. Our fence is selected and used each year to enclose pens at the International Live Stock Exposition held in Chicago.

# BANNER

—FORMERLY ARROW  
R R RAIL SECTION STEEL  
POSTS

American Steel & Wire Company  
Chicago New York Boston Birmingham Dallas Denver

# Farm Tools Sell Well Now!

But in Many Cases New Implements Are a "Better Buy" Than Those Partly Worn Out

BY HARLEY HATCH

IF YOU happen to have any farm machine you'll not need this season someone will pay you a fair price for it, and be glad to get it, if conditions with you are as they are here. Folks have been hunting second hand machinery thru the want ads of the local papers. It may be wise to buy the used machine—and it may not. We have bought some of it in our time, and more often have regretted than rejoiced that we did so. Occasionally there is an exception. A used tractor was our best purchase, but one might go out and buy a thousand times again and take hold at the wrong end every time, for buying a used motor of any kind is a matter of mechanical judgment and likewise of chance. But any used lister, planter, cultivator or mower is now subject to sale at some price—a great contrast to a few years ago, when anything the least bit used was looked on as junk, whether it was or not.

## 0, 1, 2, 3, 4, Thus it Goes

If there is any machine above all others that had better be new it is the corn planter. The modern planter is an accurate piece of machinery if properly adjusted, but a few seasons' wear is more than likely to cause the owner to think there is no such thing as accuracy in planters. Right then is a good time to junk it and buy a new one, for nothing can lose a corn grower money faster than a planter that "slobbers" when it plants. We used our last old one a year longer than we should, and lost more than the cost of a new one by doing so. No farmer who checks his corn likes to find three and four kernels in one hill and only one or none in the next, or if drilling have it strewn along as if dropped by a 10-year old boy who was soon to quit and go fishing. The used planter, unless you absolutely know it, is often a poor buy at any price.

## But When August Comes!

Just because more than half the folks here lost from 10 to 15 bushels of corn an acre by having a rather thin stand, last season, there is likely to be much thick planting done this year. Our seed is strong, so every kernel should grow under ordinary weather and soil conditions, something worth considering at planting time. It is hardly likely that we will see as good a season this year for thick corn as was the last, anyhow not more than two years out of 10 have proved so in the past, which is another thing worth remembering. A thick stand looks fine when it comes up, and while it is being cultivated, but when King Drouth sits in the game, as he so often does during August, the thick stuff never seems so nice, and there are times, then, when we are wondering if it is even going to make good fodder.

## More Space, and Big Ears

The hill of corn that has two stalks will produce a lot of corn to the acre; folks who are easy figurers tell us there should be 50 to 60 bushels of it, according to the size of ears. Likewise, the two-stalk hill will stand considerable drouth without much harm, but increase this to three and you have demands for water one-half greater, and if the soil doesn't happen to get that water the whole thing may turn into nubbins and perhaps not that. So why try to grow three ears of corn on water that is barely enough for two? In drilling, a foot apart seems to strike the fancy of many folks, again a call for more moisture than it is reasonable to expect will be supplied. A stalk every 20 to 22 inches will produce the ears that fill up fast when husking. It is well to remember the fable of the greedy monkey who reached into the nut jar, when you start to the field with the corn planter.

## Good Month For Work

Dry weather was a great boost for field work during March, so the farm-

er who bestirred himself when the stirring was good is well advanced with his work. Many are entirely thru with their plowing, and are taking hold of the odd jobs that always accumulate during a rush time in the fields. A few have got down to such things as oiling the harness and helping with the garden, two jobs that certainly should be well done on any farm, and that always pay well for their doing. We would all be better off for living more out of gardens and less out of pasteboard boxes, but the "ready to serve" feature of the contents of the pasteboard box appeals to most folks of this age, so that's the way many farmers live—exactly as if they were on some two-by-four lot in a city.

## 2 Acres and Water

On this farm we find the 2-acre garden and orchard the most profitable land on the farm. Probably no other 10 acres contribute so much as do these 2 acres. With water ready to be pumped from the pond to irrigate the garden should rains fail when needed, we considered our garden "sass" a certainty. Then, too, we find all vegetables grown with plenty of moisture as needed are more nearly perfect than are those which sometimes go thirsty. Warm weather is needed with a moist soil, however, so we seldom find the use of water on the garden advisable until the settled warmth of early summer actually is here. With a garden that is a "sure shot," one can feel rather independent of the grocer, and usually of the doctor, too.

## Nine Kids Lived Cheaply

How farm conditions have changed from what they were when this Central West was new and the prairie sod was just being broken! Great gardens were grown then by nearly every one, and a fine living was thus provided for many months of the year. Now we find the perfect garden very infrequently. A few rows of peas, one row of lettuce, some beans and a few straggling cabbage and tomato plants are all there is left of the once fine garden that was the pride of Grandpa and Grandma. We surely have progressed some in the last 40 years, but we have not bettered ourselves by leaving the old time garden out of our plans and going to the grocer and baker for our daily diet and bread. It is now costing some farm families more for bread bought at the bakers than the entire living expense of a family of nine kids 40 years ago.

## Caused by Panama Canal?

The St. Paul Railroad receivership can be laid to the Panama Canal, since without the canal traffic probably the railroad would have succeeded in refinancing its 1925 bond issue that precipitated the receivership. The Panama traffic has grown rapidly in the last few years, until it now comes to several million tons a month. As recently as 1922 the traffic of the Suez Canal was not far from twice that which passes thru Panama, but in the last two years the traffic of the two great canals has been about equal, Panama being slightly ahead in 1923, and slightly behind in 1924.

## Unrecognizable Russia

Letters addressed to "St. Petersburg, Russia," have been returned to the German postal authorities marked "Country and City Unknown." Russian officials explain that letters to their country must be addressed "Union of Socialistic Soviet Republics." Otherwise they will not be delivered. As for St. Petersburg, turned into "Petrograd," it must be designated now as "Leningrad," in honor of the great bolshevist leader. And yet the Moscow government, in control of Russia, complains because it is not recognized by other countries.

**DO YOU KNOW** that you can help both your neighbor and us by asking him to subscribe for the Kansas Farmer and Mail & Breeze? If he becomes a regular reader he will thank you—so will we.





# Ward's Catalogue is saving millions of dollars for the American People

## No Service to Compare with Ward's

"We have been dealing with you for more than ten years and our dealings have always been satisfactory and pleasant."

"Nowhere can we get such an ironclad guarantee, or such bargains—all first class merchandise. I have been wearing a pair of your guaranteed work shoes for eleven months and they are still good."

"There is no service—mail or home—to compare with Ward's."

Herman J. Dieckman,  
Sample, Ky.

## Best Mail Order House

"I have been ordering goods from Montgomery Ward & Co. for twenty years, and I have found it the best mail order house in the United States."

"Recently I ordered a suit of Stillson Worsteds for \$17.85 and found the cloth much better than in a suit I would have paid \$35 for here."

"I am using a Riverside Cord tire that is the best tire money can buy."

Ira Nelson,  
Hamilton, Ala.

## Five Dollars goes far at Ward's

"My last order was a dress, a pair of shoes and a flashlight, and I still had 81c left out of my \$5."

"About twenty-five years ago Charlie Miller of Rockport, bought a shot gun of you for \$5. It has had constant use, winter and summer, and no special care, and it shoots today as good as any automatic made. It was low in price and high in quality as all Ward's merchandise is."

Harry Standley,  
Newton, Ia.

## Quick Service on Every Order

"I wish to express my appreciation of the service rendered on my recent order."

"It was mailed the afternoon of February 13 and received on February 15, so I had to wait only three days for my order. It was a small order too, proving that small orders are given just as much consideration as the large ones."

"I saved \$3.50 to \$4 on the electric iron alone by ordering from you."

A. M. Johnson,  
Gilmore City, Ia.

## Ward's 24 Hour Service Pleases

"I want to thank you for your promptness in sending my incubator. I live six miles from town and three days after I sent my order my incubator was at my door."

"My mother has bought goods from Ward's ever since I can remember, and she, like myself, was always satisfied."

"When you send an order to Ward's you get exactly what you have ordered."

Mrs. Henry Treese,  
Houstonia, Mo.



## Millions of people are saving millions of dollars by using Ward's Catalogue

Are you one of them? Do you turn to this Catalogue for everything you need to buy?

Millions of people are today *living better* because their money goes farther at Ward's. Read the letters on this page. Thousands of people write us the same story of larger savings, better goods and better service when they send their orders to Ward's.

## "We never sacrifice Quality to make a Low Price"

Ward's saves you money on everything you buy. But we do not offer you price baits on "cheap" unserviceable merchandise. We sell only *reliable* goods—the kind that stands inspection and use. "We never sacrifice quality to make a low price."

You, too, may as well profit by the saving your Ward Catalogue offers. You, too, may as well take advantage of Ward's Catalogue to get *reliable* goods, a larger saving and quicker service. Your patronage is always appreciated at Montgomery Ward & Co. So use your Catalogue. Start sending all your orders to Ward's.

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ESTABLISHED 1872

The Oldest Mail Order House is Today the Most Progressive

Chicago

Kansas City

St. Paul

Portland, Ore.

Oakland, Calif.

Fort Worth



# COOK'S Barn Paint



**I**F your barn is worth saving, it's worth painting—**NOW**—with *Cook's Barn Paint*, just another name for long wear, permanency of color and real protection against rain, sun, wind and snow. And these are the qualities which count most in a barn paint.

There is no better barn paint made than COOK'S. And in spite of its high quality—durability and extreme covering capacity, it is surprisingly low in price. Your nearest Cook dealer will be glad to give you an estimate on how much *Cook's Barn Paint* it will take for your barn and what it will cost—without any obligation to you.

Delays are costly! Wind, snow and rain are constantly attacking the surface of the wood, and the only sure method of counteracting their attacks is with a protecting film of good barn paint—COOK'S.

*Ask Your Dealer!*

COOK PAINT & VARNISH CO.  
Factories: Kansas City—Fort Worth

Branches: Omaha—Wichita—Tulsa  
Oklahoma City—Dallas—Denver

## Making a Home for Alfalfa

Firm Seedbeds Will Give the Little Plants a Real Fighting Chance

BY D. E. LATHROP

**F**ALL planting for alfalfa is preferred by most farmers in Eastern Kansas. Experience has shown that weeds have a greater opportunity to choke out a stand sown in the spring. A better hay crop usually is obtained the first year, too, when the crop is sown in the fall.

But spring planting is the most reliable method of obtaining a stand in Western Kansas, as the moisture condition of the soil usually is better then. There also is less danger from winter killing, and from soil blowing. Attacks from grasshoppers are more likely to occur in the fall.

The preceding crop often determines the method of preparing the seedbed for alfalfa. When alfalfa is to follow a cultivated crop the ground usually is plowed in the spring, and summer fallowed until seeding time in the fall. If preceded by a small grain crop such as wheat or oats, the soil is plowed shallow soon after harvest, and worked down into a firm seedbed. Should the summer happen to be dry, however, there will hardly be sufficient moisture to germinate the seed, the previous small grain crop having depleted the field of its moisture. The rainfall during the fall is likely to be insufficient to support plant growth even tho germination may have taken place. Summer fallowing is the most reliable method, as it insures sufficient moisture.

### Weeds Must be Killed

The depth of plowing also depends on the preceding crop. If alfalfa is to follow a small grain crop, it is best to plow shallow, as the time between plowing and seeding will hardly be sufficient to make a firm seedbed if the soil is plowed deeply. However, if the ground is to be summer fallowed it may be plowed deeply. But it must be cultivated sufficiently during the summer months to kill the weeds, and also to keep the surface in an open condition to prevent an excess runoff from summer rains. Shortly before seeding the field should be packed with a soil packer, and when possible the drill should be followed with a packer.

Kansas soils are not well supplied with organic matter, and it is advisable to precede alfalfa with some green manure crop. This is especially true in Southeastern Kansas, where the organic content of most fields is low, and hard subsoils are prevalent. Sweet clover is perhaps the best crop for this purpose, as it has a well-developed root system which penetrates the subsoil. Since it often requires as much time and capital to obtain a good stand of Sweet clover as alfalfa, farmers frequently use barnyard manure instead of a green manure crop. The best time to apply manure is during the winter, at the rate of 10 or 12 tons an acre.

### Lime May be Needed

When lime is needed, it is best to add it as early in the summer as possible, as cultivating and working the seedbed mixes the lime in the soil, and provides time for it to correct acidity before the seed is planted. Not all soils need lime and the first thing to do is to make sure whether liming is necessary. A soil sample may be sent to the department of agronomy, Kansas Agricultural Experiment Station, Manhattan, for analysis and recommendations as to the amount to add. The amount varies according to location, and runs from 1 to 3 tons an acre. The lime spreader is the best method of spreading the lime, as it is easily handled, and distributes the material evenly and quickly. Lime also may be applied by a manure spreader, placing a layer of crushed limestone on top of the manure and unloading the spreader in the usual way.

Alfalfa is a heavy feeder, and not only requires a sweet soil, good seedbed, and plenty of organic matter, but also a good supply of minerals. Nitrogen, phosphorus, potassium and calcium are the important elements necessary for plant growth that may be deficient.

Nitrogen may be added by either a commercial fertilizer or barnyard manure. It is essential that some form of available nitrogen be in the soil for the immediate use of the young alfalfa plant. If manure is not used it will pay to add some nitrogen in the form of a commercial fertilizer on many soils of Eastern Kansas. A 2-12-0 mixture added at the rate of 200 pounds an acre is satisfactory. The most convenient method of applying it is to use a fertilizer attachment, and sow it at the same time the alfalfa is seeded. After the plant has become firmly established the bacteria in the nodules are able to maintain a supply of nitrogen sufficient for the plant's use.

The best alfalfa soils in Kansas are well supplied with potassium, and it will be a long time before this element will have to be included in the fertilizer. Calcium also is found in sufficient quantities except in the acid soils of Eastern Kansas, where lime must be added.

### Acid Phosphate is Best

Phosphorus, however, is deficient in many Kansas soils. There is no easy or cheap way to obtain this food except by the addition of manure, in which it is present in small quantities. It can be purchased as bone or other by-products of packing plants, or as finely ground rock phosphate in which the phosphorus becomes available as it weathers, or as acid phosphate in which the phosphorus is immediately available. The acid phosphate is the most satisfactory.

As a rule to insure a healthy and permanent stand of alfalfa in Eastern Kansas, inoculation is necessary, except in the case of some river bottom soils, or on fields where alfalfa has been grown previously. Practically all the soils in Central and Western Kansas contain alfalfa bacteria, and inoculation is not necessary. These bacteria are instrumental in fixing the free nitrogen of the air into compounds which may be used by the plant, thus maintaining the nitrogen content of the soil. It is because these bacteria will not live in an acid soil and alfalfa uses so much calcium that the acidity must be corrected by liming before it can be grown.

The pure culture and the soil method are the two systems of inoculation in general use. The soil method is perhaps the most nearly certain, altho it has the disadvantage of spreading weed seeds which are undesirable in a young alfalfa field. In using the soil method the surface layer of an area on a desirable field is scraped off, and the next 5 or 6 inches scattered over the field to be inoculated. The scattering is done either by hand or by a drill, from 200 to 500 pounds an acre being used. The ground should be harrowed immediately to prevent killing the bacteria by the sun's rays. The pure culture method is much simpler, and in most cases equally satisfactory. A small bottle, sufficient for experimentation, may be obtained from the United States Department of Agriculture free. Cultures also may be obtained from commercial concerns.

For alfalfa seeding, the use of grain drills with special grass-seed attachments are much preferred to any other method, altho excellent results are obtained by broadcasting and following with a harrow. From 12 to 15 pounds of seed an acre is about the average thruout the state for high-grade seed. Plantings in the spring usually are made from March 15 to May 15, and in the fall from August 15 to September 15, depending on the moisture content of the soil.

### Did They Shoot 'Im?

A salesman in a certain Topeka hardware store was asked for a broken box of .32 calibre cartridges recently. He opened up a box. Then he went back to the boss and said: "Haven't we any good cartridges? These up on the shelf have got grease on them."

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**FISH BRAND SLICKERS**  
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Serviceable enough for the hardest wear.  
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50 other uses

**Y**EAR after year in the springtime, thousands of housewives have made their year's supply of homemade soap with Lewis' Lye, the famous soapmaker. Lewis' Lye is packed in the safety friction top can, with the same merits which have won it millions of soapmakers for half a century. Insist on Lewis' Lye. It will give you the utmost in value and satisfaction. If you haven't a copy of "The Truth About A Lye" mail this ad for it to-day.

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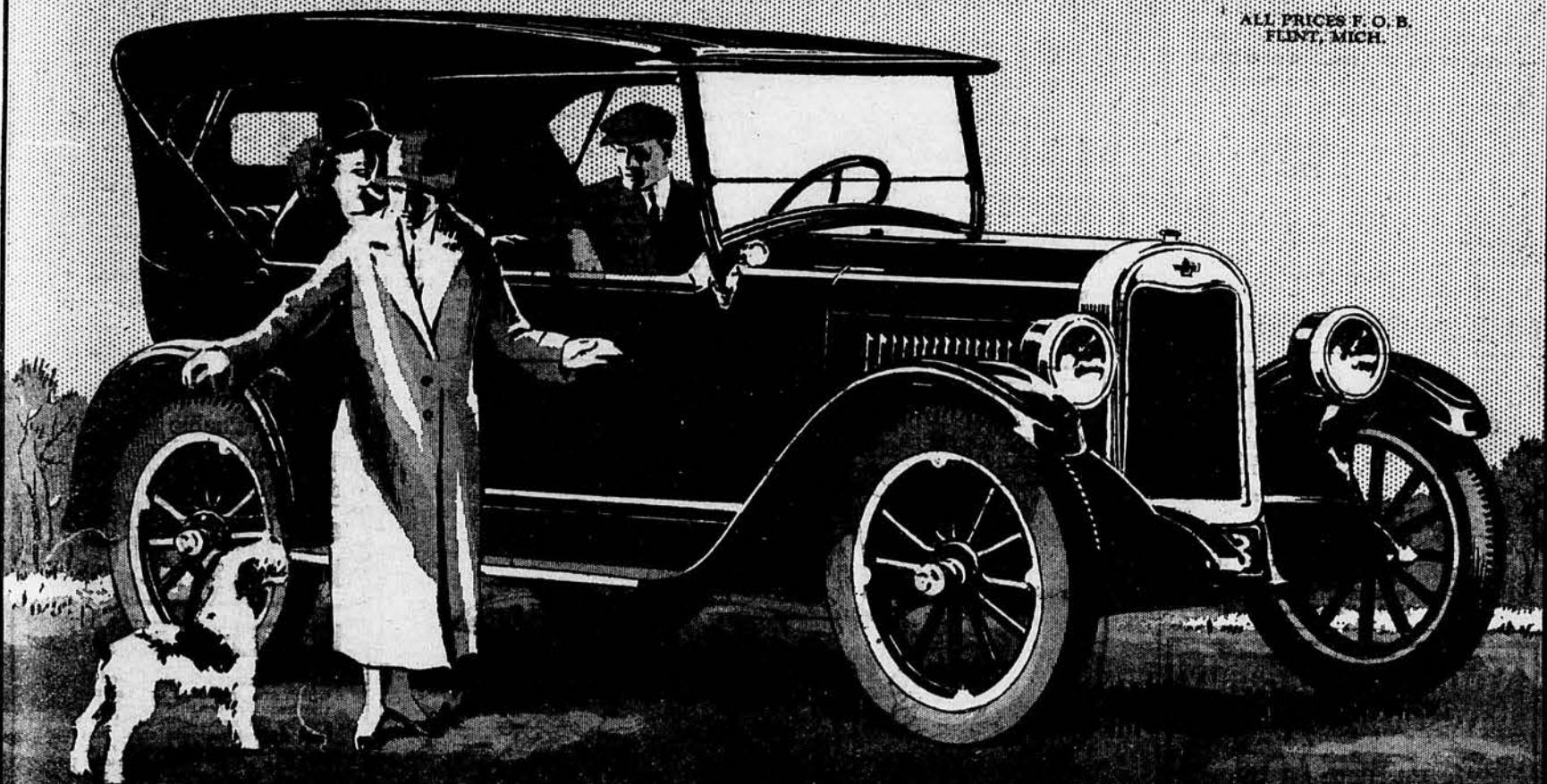
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## QUALITY AT LOW COST



**All of Which is a Sad Example of What Puzzles  
Will Do For a Man at Times**

Do you know where I bought and a book on the lives of our Founders? I am working on a pamphlet in a daily paper, and am much in want of the early Founders—  
D. D. N.

of Bacon, Sparks of Cherokee, Spencer of  
Chattanooga, Thorne of Johnson, Vincent of  
Cherokee, Whisman of Pratt. Total, 28.

[illegible]

Factor of Marshall, Parker of Morris and  
Schmidt of Oney.

2—The bill to which you refer is senate bill No. 75. I think you will be able to procure a copy by writing to the Secretary of State, State House, Topeka.

2-Does the husband or wife the right to open the private mail of the other without the other's permission? 3-Does the husband or wife the right to control their own money and put it all through for their own benefit? 4-5

1-10.  
2-108.

## What Can the Wife Do?

Q. The husband, signs his wife's name to notes without her knowledge or consent.  
What can S. the wife, do to stop this sort of business?—S

The wife could not be bound by her signature on those notes, but to acquaint the general public that she does not authorize her husband to sign her name it might be best for her to publish a notice to that effect.

## Needn't Employ the Trustee

From the township board have to employ  
a printer for said purpose.

Sh.

## No, He Wasn't Adopted

My parents took a boy into our family when he was 8 years old. He lived with us until he was 17, when he left our house.

There were no adoption papers taken out, would like to know if the laws of Kansas give him the same right to share in our parents' estate as the other members of the family.—W. S. C.

No. But if the boy had been regularly adopted he would then have had the same rights of inheritance as a natural born child.

## Heirs Can't Sue A

A and B are husband and wife. They  
 own 240 acres. Title to the land is in the  
 husband's name. B, the wife, has

Do you hold out A for B's share of the estate?  
-Reader.

No.

### B or C Can Sign Alone

A and B were husband and wife. C is  
 their only child. A died, leaving B and C  
 alone. This was the

Could either B or C have her or his individual interest in this farm mortgaged without the consent of the other heir?—

Feb. \_\_\_\_\_

## Will Grow Nitrogen

Write to Land Office

Judging from letters we have received, there probably is more interest



**NICHOLSON FILE CO.**  
Providence, R. I., U. S. A.

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**NICHOLSON  
U.S.A.**

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 IN A MILLION FEET"*  
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 SHINGLES**  
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Add postage to your remittance. If you live in 1st or second zone from Chicago add 10c per loaf, if in 3rd zone, 16c; 4th zone, 27c; 5th, 38c. Treat yourself to this real delicacy. Satisfaction guaranteed.

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## Why Members Co-operate

Perfect Attendance at County Meetings Counts  
100 Points—Club Leaders Appointed

BY PHILIP ACKERMAN

I WISH to know my teammates," is what more than half of the letters from boys and girls bring us. 'Tis true some counties have only one member, and there are no teammates to know, but there are counties with more than 10 enrolled. You should know your teammates, and all that we can do to help you get acquainted with them will be done gladly. And we can do a whole lot toward bringing you together. You can find thru us the names of your teammates, and their addresses. We can tell you the breed of stock they are raising, and the size of their litters and flocks.

The requests we have from members to tell them the names of their teammates are evidences that there should be a social side cultivated in the club work. This social and sunny side of the Capper clubs is taken care of in the pep contest. In every county having an enrollment of three, the club has a team. But you are not a team in the strict sense until you are organized. The club manager has appointed by special letter the county leader of your team, and this leader will write to you this week.

## Points That Count

So you will know what counts in the pep race, I am going to ask you to examine your special rules carefully. You will see in the rules that the first nine roads to points can be taken by individual members, but the last nine roads can be fruitful only when traveled by the team working together. And you will note the 100 points awarded for all members being present at meetings, and this is over and above the 10 points each member wins. So you see if you have a club of 10 for instance, and nine members can be present, you will win 10 points each for these nine, or 90 points. The other fellow may be cultivating corn. Go get him because he will add 110 points to the 90 you already have. You see, 10 for his being present, and 100 for making perfect attendance. Leaders should go out and get the lukewarm fellows.

At county meetings, forget all unnecessary formalities. Begin having a good time just as soon as dismounted, and continue to have a good time as long as you can remember the pleasing things you learned or did at the meeting. Each member should go to the meeting with enough business and sport planned for the whole day, and then surely there will be no lack of something to do. No, indeed, you will have a store of things presented to pick from, and the meeting will be a full round of happiness and success.

The county leaders appointed will begin now to make the members in the teams acquainted with one another, and as soon as convenient he will call a get acquainted meeting, and regular monthly meetings will follow. At these meetings talks, programs, pig and poultry demonstrations, picnics and dinners, games, fishing, swimming, boating and riding are in order. You will find it will be the original things that please, and the more originality and enthusiasm that can be shown the more eager all the members will be

to attend the next meeting. Mothers and fathers and all members of the family should be invited, guests should be invited, too, but it is of prime importance that all club members be invited and urged to come.

## In For Pep Contest

We are appointing leaders in counties having an enrollment of three or more members. The appointment is made now to enable county leaders to fill their ranks before the date on which enrollment closes, that is April 15. Here are the leaders appointed at this time, and others will be appointed just as soon as three members are enrolled in the counties not listed here.

| County     | Poultry Club     | Pig Club          |
|------------|------------------|-------------------|
| Bourbon    | Mary Ashford     | Paul Tewell       |
| Clay       | Elizabeth Todd   | Lloyd Thorp       |
| Comanche   | Roxanna Boshell  |                   |
| Dickinson  | Arlene Chase     | Milton Kohrs      |
| Jewell     |                  | Merle Crispin     |
| Linn       | Rubie Mae Guffey |                   |
| Logan      | Evelyn Loper     | Leonard Teague    |
| Lyon       | Bertha Moellman  |                   |
| Marshall   | Dorothea Nielsen | Walter E. Stirrat |
| Marion     | Emma H. Krause   |                   |
| Morris     | Laura Cunningham |                   |
| Norton     | Bernice Gould    |                   |
| Pawnee     | Vivian Almqvist  |                   |
| Reno       | Opal Shuff       |                   |
| Riley      | Pauline Noll     |                   |
| Smith      | Elsie Sample     |                   |
| Sumner     |                  | Ernest I. Knox    |
| Washington | Mable Lyons      |                   |
| Wabaunsee  | Fannie Winsor    |                   |

Other counties which may have a leader when one more member enrolls are: Stafford, Ness, Nemaha, Mitchell, Franklin, Ford, Douglas, Decatur, Cowley, Chase, Coffey, Barber, Anderson, Morton, Sedgwick, Neosho, Wilson, Butler, Gray, Finney, Elk and Pottawatomie.

Upon the county leaders has been placed some responsibility, but the task allotted to them can easily be accomplished if they are original, energetic and courageous. They need originality to bring up new interests for the team. Energy will prompt them to write to, visit, cheer, and spur on their teammates, and will give them the stimulus to call regular monthly meetings. Courage will not let the leader give up, and will help him to encourage teammates who grow indifferent or who lose their contest entries. With these three virtues, I am sure the Capper club leaders will put things across.

## To Cover 1,400 Roofs

Help apparently came from everywhere to the sections of the East covered by the recent tornado. Many thousands of dollars were donated, largely thru the good work of broadcasting stations, such as WLS, Sears, Roebuck and Company, Chicago. And The Lehon Company sent 10,000 rolls of Mule-Hide roofing, enough to cover 1,400 buildings, which was distributed free thru local dealers.

## At Salina May 5 to 7

The Kansas Council of Religious Education, formerly the Kansas Sunday School Association, will meet May 5 to 7 at Salina. Frank G. Richard, 112 West 7th St., Topeka, is general secretary.

## Capper Pig and Poultry Clubs

Capper Building, Topeka, Kansas.

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

.....county in the Capper

.....Club.

(Write Pig or Poultry Club.)

If chosen as a representative of my county I will carefully follow all instructions concerning the club work and will comply with the contest rules. I promise to read articles concerning club work in the Kansas Farmer and Mail & Breeze, and will make every effort to acquire information about care and feeding of my contest entry.

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

Approved..... Parent or Guardian

Postoffice..... R. F. D..... Date.....

Age Limit: Boys 12 to 18; Girls, 10 to 18.

Address—Capper Pig and Poultry Club Managers.

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on your own farm where you can compare it for price, close skimming, smooth running and easy cleaning. If it does not come up to all claims ship it back at our expense. If you like it keep it and pay in small monthly payments. Address: THE GALLOWAY COMPANY Box 47 Waterloo, Iowa

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That is so perfectly balanced that it runs quietly and smoothly—

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That's what you get in this new horizontal 1 1/2 H. P. Cushman. It will please you and do your work when you need it. A woman can start it. Send for circular.

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Best Quality Material. Lowest Prices. Satisfaction Guaranteed. Write for Free Catalog. **OTTAWA MANUFACTURING COMPANY** Box 101 H Ottawa, Kansas



## Marching Sands

(Continued from Page 15)

one thing that calls for an answer. Why do the Chinese force the lepers to drive off intruders? The poor devils are not good fighters. No better than the driven dogs Sir Lionel pictured them. They must have a hard master."

It was possible that the Chinese priests who were masters of Sungan had forced the lepers to attack the caravan as a last resource, after Sir Lionel's men had driven off the outer guards. In China human life has a low value, and that of a leper is a small matter. Such a proceeding would be in keeping with the cruelty of the priests—who saw their own power and the prestige of ancient Buddha waning with the inroads of civilization.

He was growing physically tired. This growing weariness took toll of his thoughts, and brought the image of Mary before his memory.

He pictured her as he had first seen her—a slender figure in the bright tent, mistress of well-trained servants. Gray had loved her from the first. It seemed to him it had been a long time. As nearly as he had ever worshiped anything, he worshiped the girl.

There had been no other women in his life. He smiled ruefully, reflecting on his blundering effort to help the girl. And she was now far removed from his help. It appalled him—how little he might be able to aid her.

With another man, this fear might have turned into reckless haste, or blind cursing against the fate that had befallen Mary Hastings. Gray pressed on silently, unburied, the flame of his love burning fiercely.

In this manner he would go on until he had found her, or those who had taken her. There was no alternative. Mirai Khan would have said that Gray was a fatalist, but Mirai Khan did not know the soul of a white man.

"If only I am not too late," he thought. "I must not be too late. That could not happen."

Gray had no words to frame a prayer. But, lacking words, he nevertheless prayed silently as he walked.

The stars faded. The moon had disappeared over the plain in front of the American. The dunes turned from black to gray and to brown, as the sunrise climbed behind him.

Gray sat down on a hillock, and drew out his flour cakes. These—some of them—he chewed, washing them down with water from his canteen.

Had Sir Lionel lived to see that day? Gray thought not. Mirai Khan's prophecy had borne fruit.

A few feet away an animal's skull—a gazelle, by the horns—peered from the sand. Gray watched it quietly until the sun gleamed on the whitened bone. Then he rose, stretching his tired limbs, and pressed on.

Late that afternoon he sighted the towers of Sungan slightly to the north of his course.

### Center of a Wide Plain

Working his way forward, Gray scanned the place thru his glasses. He was on the summit of a ridge about a half mile from the nearest towers. The ruins lay in the center of a wide plain which seemed to be clay rather than sand.

At intervals over the plain sand drifts had formed. Gray wondered if it was from behind these that the lepers had advanced on the Hastings' caravan. In the center of the plain trees and stunted tamarisks grew, indicating the presence of water.

Thruout this scattered vegetation the ruins pushed thru the sand. Sir Lionel had been correct in his guess that the desert sand had overwhelmed the city. Gray could see that only the tops of the tumble-down walls were visible—those and the towers which presumably had been part of the palaces and temples of ancient Sungan. Even the towers were in a ruined state.

They seemed to be formed of a dark red sandstone, which Gray knew was found in the foothills of the Thian Shan country, to the north. He judged the structures were at least five or six centuries old. He saw some portions of walls which were surmounted by

battlements. And the towers—thru the glasses—showed narrow embrasures instead of modern windows.

The sight stirred his pulse. Before him was the ancient city of the Gobi that had been the abode of a powerful race before it was invaded by the advancing sands. Past these walls the caravan of Marco Polo had journeyed. The great Venetian had spoken of a city here, where no modern explorers had found one. He had called it Pe-im.

And in the ruins Mary Hastings might be still living, in desperate need of him.

What interested Gray chiefly were the people of the place. He was too far to make them out clearly, and only a few were visible. This puzzled him, for Sir Lionel had mentioned a "pack of lepers."

He was able to see that the people were of two kinds. One was robed in a light yellow or brown garment. Several of these men were standing or sitting on ridges outside the ruins. Gray guessed they were sentinels.

Furthermore, he believed them to

be priests. The other kind wore darker dress and appeared from time to time among the ruins. They were—or seemed to be, at that distance—both men and women.

(TO BE CONTINUED)

## Growing Soybeans in Corn

Under what conditions is it best to plant soybeans with corn? Will soybeans decrease the corn yield, and if so to what extent?

Olpe, Kan.

Herman Haber.

It is advisable to plant soybeans with corn if the combined crop is to be hogged down. And it may be best to plant soybeans with corn on poor land where the corn is to be grown for several years in succession. Soybeans usually will decrease the yield of corn, the reduction depending on the season. Usually they will lower the yield more in a dry season. But the yield of soybeans will offset the reduced corn yield when the two crops are to be hogged down. And the following crops will be larger, because of the nitrogen gathered by the soybeans.

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Make hogs out of your pigs just as quick as you can. The next two years is your opportunity to make big money on hogs. Shortage of 12,000,000 hogs means highest hog prices in years.

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NOWADAYS the man who wants a low-priced cord tire doesn't have to be satisfied with an unknown, unguaranteed brand.

He can go to a dependable U. S. Tire dealer and get an USCO CORD—a tire that will deliver the full service he expects and ought to get for his money.

Thousands of car owners whose tire requirements do not call for the extra mileage of U. S. Royal Cords,

are buying USCO CORDS.

The USCO CORD is a handsome all-black tire. Its broad, flat tread with good high shoulders gives exceptional road contact and non-skid protection.

The name of its makers is on every USCO CORD—your guarantee of quality.

Made in 30 x 3 inch and 30 x 3½ inch clincher, and 30 x 3½, 32 x 3½, 31 x 4, 32 x 4, 33 x 4 and 34 x 4 inch straight side—all sizes for light sixes and fours.

United States



Rubber Company

TRADE MARK



# Douglas County Farm Bureau Women Meet to Discuss Hats and Health

**R**AIN and mud didn't prevent the Douglas county Farm Bureau women from having a good time when they held their all-day meeting in Lawrence recently. More than 100 of the 300 members were there, representing all of the 14 Farm Bureau clubs. L. Maude Finley, millinery specialist of the Kansas State Agricultural College, had charge of the morning meeting when the spring hats the women had made were discussed. Miss Finley found a big improvement in workmanship and general appearance over the hats made previously.

Every woman was asked to bring with her a typical school lunch which the women ate together quite informally. The luncheon proved to be a good means of becoming acquainted for some of the women were from opposite ends of the county.

In the afternoon, W. Pearl Martin, health specialist, gave her demonstration on the positive health child. In this demonstration Miss Martin shows the normal development of the positive health child, using children from 6 weeks to 15 years to illustrate her points. She urged that for positive health, the child should be kept happy and comfortably clothed as well as to have plenty of fresh air and sunshine, rest, play and wholesome food. Eight children from the first grade of a Lawrence school danced the shoemaker's dance in costume to demonstrate the use of folk dances in training children for positive health.

Miss Martin was in Douglas county March 12 and 13 to present the second unit of her health program, and the women are looking forward to her next course.

## Buttons That Won't Come Off

**B**UTTONS need to be sewed on the children's garments so they will not come off easily and so they will set properly. In order to do this, it is well to place a pin across the top of the button and sew over it. Remove the pin, pull the button up, and twist around the stitches several times. Pull the thread thru to the wrong side and fasten as usual with two buttonhole stitches. Sew hooks, eyes and snaps on with the buttonhole stitch and they will stay on until the garment is worn out.

## Hot Bread and Breakfast

By Nell B. Nichols

**W**HAT could be a better start for a day than steaming muffins for breakfast? Among my hot bread recipes is the following one which I am glad to recommend to you.

Mix together 1 cup each of cornmeal and bread flour,  $\frac{1}{2}$  cup light brown sugar and 1 teaspoon salt; stir in 2 cups cold water and let stand over night. In the morning add  $1\frac{1}{2}$  tablespoons melted shortening and  $\frac{1}{2}$  teaspoon soda dissolved in 1 tablespoon hot water. Beat thoroughly and drop in greased and heated gem or muffin pans. Bake in a moderate oven about 25 minutes.

## Cuffs Come in Handy

**W**HEN one of father's shirts is worn beyond wearing, the double soft cuffs make excellent hot pan holders. Cut off close to the sleeve, then stitch together lengthwise in a flat seam. This will make a holder the correct size and thickness. The buttonholes are ready to hang over a hook at the back of the stove.

Shawnee County.

Mrs. H. N.

## The Last Can of Fruit

**J**UST because the family has grown tired of eating "just plain sauce" is no reason why canned foods need to be omitted from the bill of fare. There is any number of attractive desserts and garnishes to be made from such fruits to "tide over" until the fresh berry and home grown fruit seasons.

Cherry sauce may be boiled down with an equal quantity of sugar until very thick and served on individual short cakes. Each serving may be topped with whipped cream. Peaches or strawberries from which a large part of the liquid has been drained may be used for short cake. The left-over sirup may be used with or without nuts as a garnish for ice cream.

Canned peaches have a wide variety of uses. An unusual sundae may be made by placing one-half peach in each sherbet glass, covering it with ice cream, and serving it with peach

By Mildred E. Smith

sirup. Another use is to place one-half a peach with the cut part down on a round of stale cake. The peach may then be bordered with whipped cream and sprinkled with cocoanut.

Apple sauce may be used for apple sauce cake or pie. The latter may be made by lining a plate

church or community dinner. Both tables are near the stove.

We find this type of stove an excellent convenience. Wieners can be roasted and coffee cooked on either the stove or chimney. A garbage pail stands close to the stove.

## Our Flower Gardens in April

By Bertha Alzada

**M**UCH planting can be done in April. If poppies, sweet peas and pansies have not been sown before, this is the time to sow them. You can make a protected bed on the sunny side of the house now and sow seeds of dahlias, asters, balsams, verbenas, and salvias. In fact, most of the annuals that bear transplanting can be sown here and will be more easily cared for while small than in the flower beds. Mignonette and poppies will not bear moving and must be planted where they are to bloom.

One reason why I like small, sunny beds so well for plants is that I can cover the bed or shade it to keep it from drying out. Then it is possible to make the ground mellow and sandy which encourages little plants to root well.

Nasturtiums and four-o'clocks and plants with large seeds generally do not need extra care and we do not plant them in our protected bed. Most of these may be planted by the last of April with safety. Of course much depends on the weather but generally I like to plant on time even if the weather is backward.

April is a good month to plant seeds of the hardy perennials. I have grown most of the hardy pinks, feverfew, columbines, foxgloves, Shasta daisies, campanulas, sweet Williams, larkspur, hollyhocks and forget-me-nots by seed and had no trouble to get them to grow. They do not bloom the first year, but make fine clumps for the second year.

## "The Elusive Egg" and Others

**I**N THE spring a good deal of the housewife's time and thought is expended on the farm flock. If you are planning to add new equipment or to build some new houses for your poultry, if you would like a new and better ration for your flock, or any other help, we have it in our booklet, "The Elusive Egg."

"Fun Making Games," and "Red Letter Day Parties," both are helping many folks plan their spring's entertainment. You'll appreciate the suggestions these two game booklets contain. Then there's "Club Day Activities," our booklet of interest to the club woman or to her who would like to organize a club. Programs, plans and refreshments are included, with recipes.

Each of these books sells for 15 cents, or the four may be obtained for 50 cents. Order from the Book Editor, Kansas Farmer, Topeka, Kan.

## If You Like Colored Soap

**V**ARIOUS colors may be obtained by using aniline dyes. Dissolve a small quantity of dye in water and add slowly until the proper intensity of color desired is attained. The following are used quite extensively in coloring soaps: Red, rhodamine B; yellow, fluorescein; green, naphthol green B.

Various shades, such as orange, chamols and salmon red can be obtained by mixing the fluorescein and rhodamine B. Your druggist can supply you with these coloring compounds. Saponification of the grease should be nearly complete before adding the coloring solution as an excess of lye will destroy the coloring.

## To Celebrate Golden Jubilee

**N**EXT week will be a memorable one in the history of the Kansas State Agricultural College. April 16 to 18 the home economics department will celebrate its Golden Jubilee. Noted alumnae from all parts of the United States will gather in Manhattan for this two day celebration.

One of the important events will be the designation of the home economics building as "Calvin Hall." Mrs. Henrietta Willard Calvin for whom the building will be named was graduated from the Kansas State Agricultural College in 1886. She has had a great influence on the development of home economics education and now directs home economics in Philadelphia schools.

## Blossom Time

**M**Y FAITH is all a doubtful thing.

Wove on a doubtful loom—

Until there comes, each showery spring,

A cherry-tree in bloom;

And Christ who died upon a tree

That death had stricken bare,

Comes beautifully back to me,

In blossoms, everywhere.

—David Morton.

with pie crust, baking it first, filling it with fruit and garnishing it with whipped cream. Peaches and plums from which the liquid has been drained may be used in this way, also.

## When Grandmother Entertains

**O**NE of the pleasantest parties I ever attended was a quiet affair at which I was an assistant entertainer. An old and very dear friend of mine wished to entertain her friends and I helped her with her plans.

Ten old folks were invited. Each one was asked to bring some keepsake and be prepared to tell a story about it. Considering the age of the guests, the party was held in the afternoon. Promptly after dinner the women began to arrive. Tell me the old do not care for merry-making! Such a flutter and primping and patting of finery I never had seen before. Delight was registered in every face.

The phonograph played all the old-time songs we could get and each one told her story after exhibiting her keepsake. Some of the stories were happy ones and some were sad. One guest brought an old-fashioned counterpane, woven and dyed by her mother, a marvel of workmanship to me.

At 5 o'clock we served luncheon—delicate sandwiches, a salad, cake and ice cream and tea. When the old folks left, a large bouquet of garden flowers was given to each one.

Alice W. Willis.

## Where Farm Families Gather for Frolic

By Mrs. Cressie Zirkle

**F**OLKS in and around Garden City enjoy the Frederick Finnup park in Garden City. It is equipped so that it encourages community gatherings. There families and friends gather, the women become better acquainted and the children make friends while the men folks discuss crops and "swap yarns." Permanent tables such as we have here should be placed in all picnic groves and near community houses. The first cost is the entire cost. They will remain in position for years. Besides the small cement table shown in the illustration, which is used for family picnics, there is a large table in the park that will take care of a



One Can Readily Judge From These Pictures Why Garden City Folks Enjoy the Frederick Finnup Park



## Always in Style

2084—Easily Made Dress that Achieves Style. Sizes 16 years, 36, 38, 40, 42, 44 and 46 inches bust measure. 2100—Good Looking Frock. Plain and printed silk, satin or crepe de chine may be made over this pattern.



Sizes 16 years, 36, 38, 40, 42 and 44 inches bust measure.

1164—Sailor Suit for Boys. Sizes 2, 4, 6 and 8 years.

1439—Girls' Bloomers and Underwaist. Sizes 2, 4, 6, 8, 10, 12 and 14 years.

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

## 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, home making, entertaining, cooking, sewing, beaut., and so on. Send a self addressed, stamped envelope to the Women's Service Corner, Kansas Farmer and a personal reply will be given.

### Rainbow "Sweet" Shower

We want to give a shower for a girl in our community who is to be married soon, and we would like to have it a little different from the usual miscellaneous or linen shower. Can you help us out?—Mary.

Why not give a rainbow "sweet" shower? This is the invitation:

There are many, many kinds of showers. They may be silver or linen, china or flowers; But this is sweeter and something new. So at the appointed time bring a few jars or glasses filled to the brim. To make pantry shelves look tempting and trim.

When the guests arrive the gifts are handed to the hostess, who without the knowledge of the guest of honor, wraps every one in a piece of dainty colored tissue paper, using the various colors of the rainbow. Then when the luncheon hour arrives the dining room doors are opened.

### Cleanser for Leather

Will you please tell me of something I can use on the leather chair bottoms of my dining room chairs which are dirty and sticky? The leather is brown and is streaked with black. Clothing sticks to it. I have washed the leather with soapy water and tried several kinds of furniture polish, but to no avail.—M. S.

Soiled leather can be cleaned with some of the cleansers which may be purchased in bottles prepared for shoe cleaning. A solution of white soap and water to which oil and alcohol have been added will give a good cleaner. To prepare, use 1 bar white soap dissolved in 1 cup water; add 1 cup alcohol and 2 cups light oil. This will not only clean the leather but will help to supply some of the oil it nat-

urally requires. Probably it is the furniture polish that has made your chairs gummy. All the excess oil should be wiped off carefully. The black streaks may be grease. If you think this is probable, before you apply the cleaner, cover the leather with a paste of pipe clay powder mixed with water. Rub off when dry.

### Feed Your Fern

I have what promises to be a lovely fern, but it seems to have become stunted this winter, or something has happened, as it is not growing as it should. I'm sure no insect is bothering it for it is a lovely green. What do you suppose can be the matter?—From Brown County.

Is your pot too small? This will cramp the roots and retard growth. Or it may be that the plant isn't getting enough nourishment from the soil. Try burying a little piece of beefsteak, cut in bits, around the fern. Do this for a couple of months, and see if the fern doesn't grow better.

### You'll Like Orange Frosting

DELICIOUS uncooked frosting that is made quickly is the following. Use the grated rind of 1 orange, 3 tablespoons orange juice, 1 teaspoon lemon juice, 1 egg yolk and confectioner's sugar. Mix grated rind with fruit juices and let stand 15 minutes; strain into egg yolk, beaten until thick and lemon-colored, and add sifted confectioner's sugar until of right consistency to spread.

## Everybody is Pleased

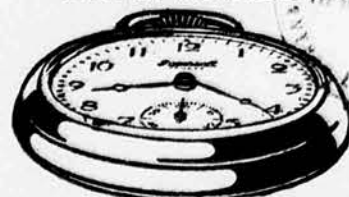
INDIVIDUAL taste may be given free play nowadays in selecting wall paper because there are so many diverse papers on the market, all equally good. Nevertheless, it is well to bear in mind certain principles when choosing papers. Two guide posts there are, the same two which govern choice of apparel—purpose and suitability.

The question of suitability is an individual problem. The decorator must consider the size of rooms, exposure, type of furniture and the use of each room. A dainty paper, for instance, which would be ideal for the bedroom would be out of place in a family living room where children play and puppies romp.

There is psychology of color which registers its mental impression thru various hues as accurately as would the tones of a chord on the piano. For example, red, by its connection with fire and blood, is a color of mental intensity, an inflaming color, associated in our minds with heat and excitement. Blue and green are cool colors, soothing, peaceful and beautiful when properly used. A north room, however, decorated in cool gray and blue would be dreary and colorless. Yellow suggests the warmth of the sun and the rich tones of autumn and is one of the decorator's best allies in securing cheerful interiors. Yellow will do wonders for a north room, giving it a pleasing breath of sunshine.

# Ingersoll

## YANKEE



THE new improved model—with many new features of grace and beauty. It has the dependability that everyone expects in an Ingersoll.

\$1.75

### Sell My Candy & Gum

I need an agent to sell my Candy, Chewing Gum and Mints. Everybody will buy from you. Experience unnecessary. Samples free. Write today. Milton Gordon, 679 Jackson St., Cincinnati, O.



112½-inch Wheelbase  
Five Passengers

## THE SPECIAL SIX SEDAN—\$1225

F. O. B. Factory

### Flashing Performance and Superb Roadability

**P-I-C-K-U-P!** From nothing to 60 miles—swiftly—eagerly—and yet with rare smoothness. **P-U-L-L-I-N-G P-O-W-E-R!** In sand or mud, where the going is heavy this motor responds to every need with a great volume of steady, sustained power. **E-C-O-N-O-M-Y!** The solid chassis construction, the fine workmanship throughout, means that mechanical adjustments are very seldom necessary. **B-R-A-K-I-N-G!** The moment you apply the Nash-design 4-wheel brakes you are aware of a wonderfully different braking sensation—more even, more positive than anything you've ever known. **\$-1-2-2-5!** The price, f. o. b. factory, includes the 4-wheel brakes, full balloon tires and five disc wheels at no extra cost. That's giving real value.

THE NASH MOTORS COMPANY, KENOSHA, WIS.



# Here's Fun for Every Boy and Girl

I AM 11 years old and in the sixth grade. My teachers' names are Mrs. Yinkling and Mrs. Carter. There are about 75 pupils in our school. We have a large cat. His name is Tom. We have about 80 Rhode Island Red chickens and one Bantam chicken. I have one sister and two brothers. I always read the boys' and girls' page first every week. Edith Scott. Johnson, Kan.

## Katie Cabbage

Now Katie Cabbage young and green Was curling and marcelling Her leaves in all the latest styles Tho the garden folks were yelling

That all her primping was in vain A cabbage she'd still be, But she kept right on curlin' And said, "You wait and see."

"The boys and girls will love to eat My leaves when they are raw. And if they do, they'll be the strongest Kids you ever saw—"

—Marion M. Clelen.

## Kenneth Wins Prizes

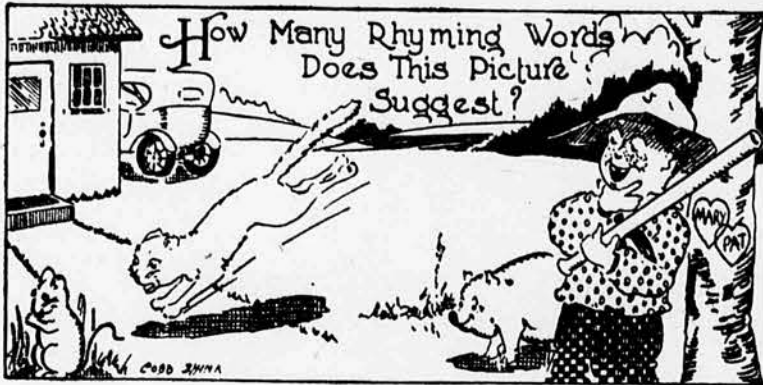
This is a picture of myself and calf. My calf's name is Domino. I am in the calf club. I took my calf to the Colorado State Fair at Pueblo and he took the Grand Champion prize. There



were 400 club girls and boys there. I got a free trip to the Western National Stock Show at Denver in January. Domino also won the Grand Champion prize at our stock show at La Veta. La Veta, Colo. Kenneth Brown.

## Lucille Has a Twin Brother

I am 11 years old and in the sixth grade. I have a twin brother and two sisters. I go 1 1/4 mile to school. We have a new school house. I live on a 190-acre farm. I enjoy reading the



This picture suggests eight rhyming words. When you have found what they are send your answer to Leona Stahl, Kansas Farmer, Topeka, Kan. There will be a surprise gift each for the first 10 boys or girls sending correct answers.

children's page very much and would like to have some boy or girl my age write to me. Lucille Shafer. Tornillo, Tex.

## My Dog's Name is Jiggs

I am 9 years old and will be 10 in April. I have one brother but no sisters. My dog's name is Jiggs. My grandma owns a hotel. My daddy is dead. I wish some of you would write to me. Mildred Smith. Pratt, Kan.

Tenderfoot: When the clock strikes thirteen, what time is it?  
Second Class Scout: I really don't know. What?  
Tenderfoot: Time for the clock to be fixed.

## Harold Has Four Pets

I am 10 years old and in the fourth grade. I have two sisters and one brother. My sisters' names are Helen and Elizabeth and my brother's name is Donald. I go to the Yoder school.

My teacher's name is Miss Challgren. For pets I have a cat, a cow, a dog and a pony. Tom is my cat's name, Ginger is my dog's name, Belle is my pony's name and Cherry is my cow's name. Harold Peats. Yoder, Colo.

"Well, little miss," said the druggist, "what can I do for you?"  
"Please, sir, mother wants a bottle of good-natured alcohol," replied the little miss.

## Can You Guess These?

What is it that breaks but does not fall and what is it that falls but does not break? Daybreak and nightfall.  
If 32 is freezing point what is squeezing point? Two in the shade.  
If you saw a girl sitting on the lawn with her stockings on wrong side out what would you do? Turn the hose on her.  
If you and a goose were on top of a barn how would you get down? Pick it off the goose's back.  
If I had an apple and you had a



bite what would you do? Scratch it. Did you hear the latest? No; what is it? It's not out yet.

I went walking one day and met three beggars. To the first I gave 10 cents, to the second 10 cents and to the third 5 cents. What time was it? A quarter to three.

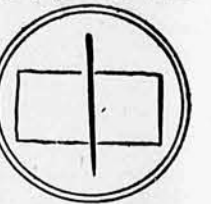
How far is it from February to April? A March of 31 days.

## Has Plenty of Pets

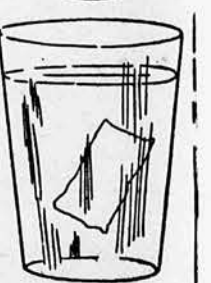
I am 14 years old and a freshman in high school. For pets I have two dogs and three cats. The dogs' names are Rags and Towser and the cats' names are Tom Thumb, Pussy and Tabby. I should like very much to have some of the boys and girls write to me. Theresia M. Schultz. Pittsburg, Kan.

## FLOATING A NEEDLE

PLACE A CIGARETTE PAPER ON THE WATER, THEN CAREFULLY LAY A NEEDLE ACROSS IT



IN A LITTLE WHILE THE PAPER WILL SINK AND LEAVE THE NEEDLE FLOATING



## She Likes Farm Life

I am 9 years old and in the sixth grade. I walk to school. I have one sister and one brother. I live on a farm and like it fine. I would like to hear from some of the boys and girls my age. Frances Motzner. Ford, Kan.



The Hoovers—Buddy's Departure is Postponed



## Afraid of the Anesthetic

BY DR. CHARLES H. LERRIGO

"I don't mind the operation, but I just can't take an anesthetic!"

Every doctor hears that assertion many times. It goes back to the old days when chloroform was used in practically every surgical operation, and people had some cause for dread. Nowadays chloroform is seldom used. Ether is the choice for a general anesthetic. But more and more important operations are being done without putting the patient to sleep. The process is known to doctors as "regional anesthesia," because it deadens only those regions of the body upon which the surgical work is to be done. By skillful application of these methods major operations upon the most delicate organs of the human body are now performed.

When these big surgical operations under regional anesthesia originated they were done only in patients who had physical handicaps that made the general anesthetic dangerous. Many people have heart lesions that make it undesirable to use either chloroform or ether. People with impaired lungs cannot inhale anesthetics with comfort and safety. For kidney operations ether has often proved dangerous. Hardened arteries make trouble, too. So there are many conditions under which the ordinary anesthetics are dangerous, yet those handicapped by such diseases frequently need surgical operations, and it may be that an operation is the one thing that will help them to overcome their disease.

So it developed that surgeons who had already performed minor operations by injecting anesthetic drugs in just sufficient amount to deaden the spot upon which their work was to be done finally ventured to carry the work still further, to enter the delicate tissues of the abdominal cavity and operate upon the most vital organs of the body. In some hospitals the major share of all operating is now done under regional anesthesia, including such delicate work as the removal of a tuberculous kidney or the repair of an ulcerated stomach. It is marvelous.

## Build up the Body

What causes the hands and feet to perspire? My daughter 19 years old has cold, clammy hands and feet much of the time, and they perspire at times quite profusely.

E. C. D.

People have natural differences, and some are born with a tendency to easy sweating. When a young girl is concerned it is often a symptom of under-nourishment, and an unbalanced nervous system and blood supply. I would insist on extra sleep, extra nourishment, sleep in fresh air, and special attention to warm clothing, without

overdressing. Shoes should be large enough for easy circulation, and there should nowhere be any restriction of blood supply.

## Weak Arches the Cause?

Could you tell me what to do for tender, aching feet? When I sit down they get so stiff I can hardly walk, and they ache all day.

F. B.

This probably is due to weak arches. You can improve their muscular tone by such exercises as rising forward on the toes, walking with your weight on the outer border of the foot, and walking without quite allowing the heel to touch the ground. In severe cases it is sometimes wise to use artificial supports, but no young person should rely on them.

## It Might be Contagious

Is whooping cough still contagious three months after it begins?

M. G.

It is possible but not at all likely. A child who has recovered from whooping cough is likely to begin coughing again with very much the same sound as he has while the whooping cough was active if he "takes cold." But its characteristics are different. It does not convulse the child as the original cough did, neither does it cause vomiting. This secondary cough is not contagious.

## Better Wean the Baby

I am nursing a baby 9 months old, but I believe I am again pregnant. Is it necessary for me to wean the baby so long as I seem to have plenty of milk?

Y. M.

Yes. The milk will lack certain essential elements. Furthermore, it will be harmful both to you and the unborn babe to continue the nursing.

## Bank Gives Sale Service

Customers of the Bank of Fulton, Fulton, Kan., are supplied with a free selling service. A blackboard is furnished for listing products for sale or wanted. According to F. H. Niles, vice-president, there is something on the board nearly all the time. Usually the listings are of farm products, but sometimes other articles appear.

Thousands of dollars worth of produce have been sold from this board since it was established, but Mr. Niles cannot give the exact amount because the bank keeps no account of the transactions that result from the advertising. When the products are sold or the wants supplied the advertiser either comes in and erases his listing or he telephones Mr. Niles, who does it for him.

Uncle Sam might be more interested in canceling war debts if his European debtors were more interested in canceling war.

## "If You Could Help Her—"

BY CON VAN NATTA

EVERY crippled child has its story—interesting—some more than others, but each one pathetic always in its intensity.

Lovella has such a story. It would go back six years to the day she was born and its telling would make you glad of your part in the work for unfortunate children. I wish I could do that but I'll give you enough in the space allotted me to warm the hearts of friends and contributors who are making her regeneration possible. Unlike little Katie, Lovella had the power to see but as I looked at her questioning, her mother holding her in her arms, quietly, hesitatingly, said in almost a whisper: "She doesn't hear, she doesn't talk—and she cannot walk. I thought if you could make her walk—?" Lovella's case will be a long one—it will take time. A period of years must elapse after we have done with her at the hospital before the limit of accomplishment is reached, and hard work and infinite patience on the part of mother and the child herself will be necessary. She may never hear, she may never talk, no human agency can promise

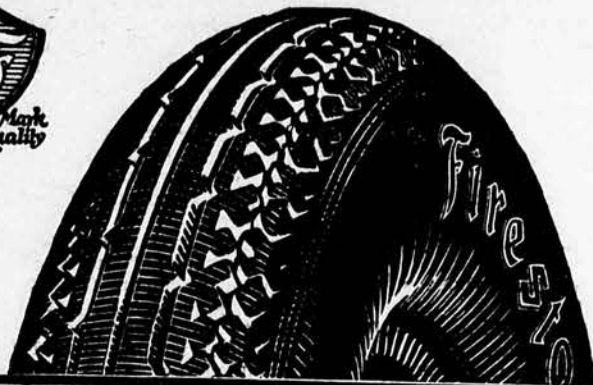


"Lovella" Won't Always Have to Go This Way

that, but—this child will walk. It will be worth the price.

Lovella is as bright as any little girl; she enjoys the things, as she is able, other children enjoy. Lovella is handsome—God gave her beauty—some day He'll give her her birthright. Unless mother carries her, Lovella

gets about as you see in the picture—on her hands and knees—or "scotching" over the floor on her feet and legs in a sitting posture. You who have seen spastic paralysis know what this means. Lovella has been in the hospital more than four months, the wonderful surgeons have given her the best help to be had. Soon she will go back home and then mother and child will begin where the surgeons left off, down the long trail to normalcy. When Lovella reaches the place in her reconstruction where she can "stand alone" for the first time in her life, or take a step without crutches, braces or other aid, I'll print her picture again. That won't be so very long—Lovella will walk. If you want to help in a most worthy and satisfactory endeavor, address Con Van Natta, 20 Capper Building, Topeka, Kansas. Any contribution is welcome.



## BALLOON Gum-Dipped CORDS

## Save You Money

Gum-Dipping means real tire economy.

This special Firestone process—the very foundation of Balloon tire success—insulates every fibre of every cord with rubber—giving *extra strength* to withstand the extra flexing strain.

The way these thin-wall Gum-Dipped Balloons resist rut wear and punctures is truly remarkable.

Take advantage of the comfort, safety and economy of Full-Size Balloons. See the nearest Firestone Dealer who will apply Gum-Dipped Balloons at low cost, with an allowance for your old tires.

MOST MILES PER DOLLAR

# Firestone

AMERICANS SHOULD PRODUCE THEIR OWN RUBBER *Firestone*

Best Periodicals at 30% to 50% off Regular Rates

## Order a Club—Save Money!

Prices Guaranteed only 30 days—Your Credit Extended if you Now Take any of the papers

### Our Big Daily Bargain—Club No. K-255

(This offer not good outside Kansas)

Topeka Capital (Daily and Sunday).....One Year  
Kansas Farmer and Mail & Breeze.....One Year  
Capper's Weekly.....One Year  
Household Magazine.....One Year

Regular Price \$8.25

All For Only—\$6.25

### "Our Best Bargain"

Club No. K-250

Kansas Farmer and  
Mail & Breeze.....One Year  
Capper's Weekly.....One Year  
Household Magazine.....One Year

All for Only—\$1.50

### "Our Home Club"

Club No. K-257

Pathfinder (Wkly).....One Year  
Good Stories.....One Year  
Capper's Weekly.....One Year  
Kansas Farmer and  
Mail & Breeze.....One Year

All for Only—\$1.75

### "Our Fashion Club"

Club No. K-256

Pictorial Review.....One Year  
American Needlewoman.....One Year  
Kansas Farmer and  
Mail & Breeze.....One Year

All for Only—\$1.85

### "Our Fiction Leader"

Club No. K-258

McCall's Magazine.....One Year  
Woman's World.....One Year  
Kansas Farmer and  
Mail & Breeze.....One Year

All for Only—\$1.50

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DO IT NOW

The Kansas Farmer, Topeka, Kansas

Gentlemen: For the enclosed \$..... please send me Club No. ....

Name.....R. F. D. or St.....

Town.....State.....

(Be sure to give Route Number if you live on a Rural Route.)



## I Am Radio

BY ERIC H. PALMER

I am a university, right in your room.

I am an opera, sung by your fire-side.

I am an orchestra, to set your feet a-dancing.

I am a band, to enthuse your musical soul.

I am an orator, whose eloquence holds you still.

I am a violin recital, rendered by a master at your side.

I am a statesman, conferring with you on the nation's needs.

I am a diplomat, voicing a foreign friendliness.

I am a doctor, coming to your home without charge.

I am a banker, watching your laid-away dollars.

I am a leader of industry, analyzing the economic trend.

I am a newspaper, describing events as they happen.

I am a drama, played in your parlor.

I am a musical comedy, without speculators' tickets.

I am a debate, where you hear both sides on the day's problems.

I am a ball game, with thrills by the score.

I am a boxing championship, with a seat at the ringside.

I am a governess, teaching your children each day.

I am a scientist, revealing wonders.

All these am I, and more—

I am a patriot, kindling anew your love of country.

I am a preacher, reawakening your faith in God!

Yet poor foolish men just call me

RADIO.

### "Radio Gloom" is Curable

Radio gloom has been causing sleepless nights to many individuals, and has disrupted many homes. You have seen the "glooms" of radio—chaps who sum it all up in a few words: "It don't work." "It" is the conglomerate mass of parts on the assembly of which they have spent much time and effort, and which has turned out to be a colossal disappointment instead of the great joy that was in contemplation.

There is the example of the amateur builder who has been too confident of his ability as a mechanic and electrician, with no knowledge of radio engineering, but glowing with ambition to construct something that would be a manifestation of his superior abilities in lines hitherto foreign to him.

Probably the parts were all right, but a loose connection here, or a wire wrong there, led to one change after another, evenings of fretting and fussing, and finally, a sense of defeat. In the meantime the joy of "listening in" was denied to that home.

Here we find a representative of the

thousands who have failed where the hundreds have succeeded—who, voicing their disappointment, have tended to cause many others to hesitate about "going into radio," either trying to make their own sets, which they might be better qualified to do, or to purchase factory-made receivers, guaranteed by some one of the many manufacturers.

Many have been speedily cured of "radio gloom," however. Some have invited in expert friends to alter their own nondescript apparatus. The majority have abandoned their attempts at construction, visited the neighborhood dealer, and purchased a standard set which, with proper batteries and tubes and a good antenna, immediately started off on an aerial tour of the country. At once the home radiated satisfaction. Everybody wanted to tune in and see what the ether had to provide in song and story.

There will always be a lot of amateur set building. Almost every youthful American has tried or will try his hand at building a radio receiver—and a great many elders, too. But the public tendency, as best reports from dealers indicate, is for the purchase of receivers behind which stands a reliable company of radio engineers—receivers with an established reputation for efficiency, and with which no experiment is necessary to make them "go."

### Radio Commencement

"Aggies of the Air," the students in courses conducted by radio during the last seven months by the extension division of the Kansas State Agricultural College, have received invitations to attend the first radio commencement in history. April 17 is the date.

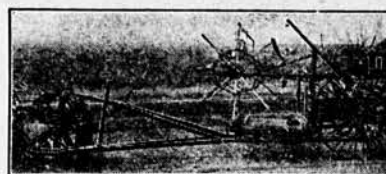
"College of the Air" students will themselves participate in the "last day" exercises presented from Station KSAC. The program will be given during the afternoon so rural schools, most of which close on that date, may tune in.

The program will include an address by Acting President F. D. Farrell, a one-act comedy, "Static," with an "Aggie of the Air" cast, and special music numbers and readings by the radio students. H. Umberger, director of extension, will preside.

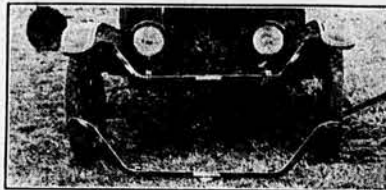
The "College of the Air," an innovation in educational work, has been popular. Enrollments in the various courses in general science, agriculture, engineering, and home economics total almost 20,000. Mimeographed copies of lectures are sent students the day they are broadcast, and examinations are given at the end of every eight weeks' period. Certificates will be presented to those completing their work.

### 103 Cows: 103 Calves

A 100 per cent calf crop has been obtained on the farm of William Mercer of Chase county; 103 cows produced 103 calves.



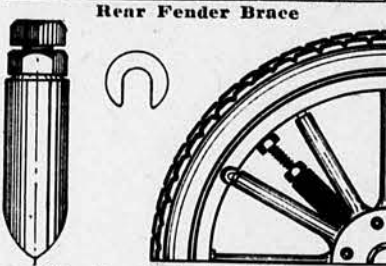
Header Hitch



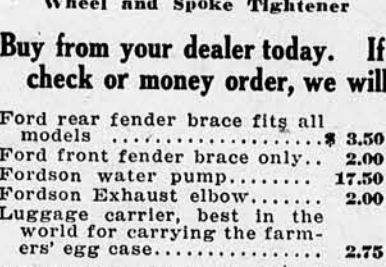
Combine Harvester Hitch



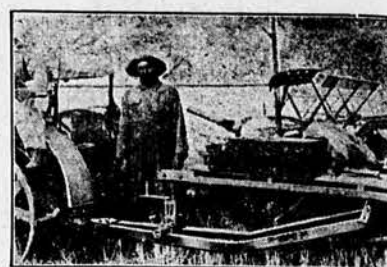
Front Fender Brace



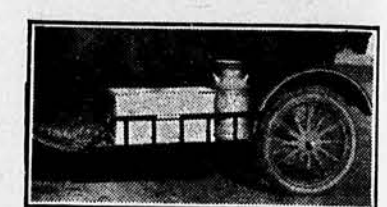
Rear Fender Brace



Wheel and Spoke Tightener



Fordson Exhaust Elbow



Luggage Carrier

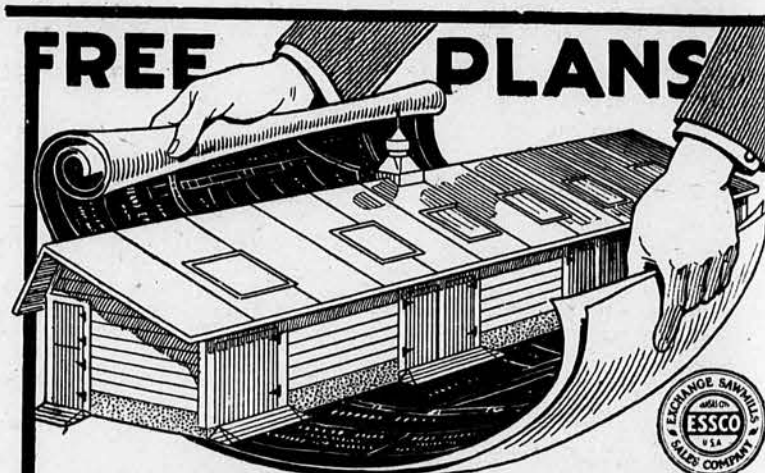
Buy from your dealer today. If your dealer has none send us your check or money order, we will ship at once at following prices:

Ford rear fender brace fits all models ..... \$ 3.50  
Ford front fender brace only.. 2.00  
Fordson water pump..... 17.50  
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Luggage carrier, best in the world for carrying the farmers' egg case..... 2.75

Wheel and spoke tightener, absolutely does the trick, also 100 washers..... 3.50  
Combine harvester hitch, guaranteed Fordson can pull Combine, only..... 28.50  
Header hitch, guaranteed. One man handles entire outfit.. 38.50

Order today or write for booklet. Dealers and salesmen wanted.

Krueger Mfg. Co., Luray, Kan.



## EASY NOW TO BUILD THIS HOG HOUSE

Free Blue Print Plans Tell How and Save You Money

Success with hogs depends in a large measure upon the kind of housing you work with. Much, or all, of your profits from hog-raising can be wiped out easily within a short time after farrowing season, if any of the little pigs die. They must have clean, dry, warm, well-lighted and well-ventilated shelter.

The get-ahead farmer, who is making money raising hogs, has first of all a modern hog house. If you need a hog house, here is an opportunity to obtain complete blue print plans FREE for one of the best designed hog houses now in use.

These blue print plans were designed by rural engineers who have studied

farm building construction for years. They are practical, economical plans that call for dependable materials. Nothing is wasted. And the plans are so complete that you can build this hog house yourself.

We also offer free blue print plans for a general purpose barn, a poultry house and a cow shed. If you are planning to build one or more of these, you cannot afford to be without these FREE plans.

Write today! Remember the plans are FREE! We manufacture Essco Lumber, which insures permanency and good construction when used for farm buildings. We prepared these plans to help you build better farm buildings. Send today—No Cost or obligation on your part!

## USE ESSCO LUMBER

EXCHANGE SAWMILLS SALES CO., 1114 R. A. Long Bldg., Kansas City, Mo.

Without cost or obligation on my part, please place set of Blue Print Plans at my disposal. I expect to build buildings checked below.

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I buy my lumber in..... (name of town)

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

Town..... State.....







### All Questions Answered

"Is this a speedometer?" she asked as she tapped on the glass which covered that instrument.

"Yes, dear," I replied in a sweet, gentle voice.

"Don't they call this the dash light?" she queried, fingering the little nickel-plated illuminator.

"Yes, honey," my words floated out softly as before.

"And is this the cut-out?" she inquired.

"Yes, Toodles," as I took my foot off the accelerator. Not more than 200 feet away our course was blocked by a fast moving train.

"But what on earth is this funny looking pedal?" she said in a curious tone as she gave the accelerator a vigorous push with her dainty foot.

"This, sweetheart, is heaven," I said in a soft, celestial voice as I picked up a gold harp and flew away.

### That's Right

Motorists tempted to cross railroad tracks in front of approaching trains should memorize a four-line jingle fresh from the pen of Wilbur L. Maynard, manager of the Southern Pacific Railway Company's hotel at Truckee. Here it is:

"Stop! And let the train go by—  
It hardly takes a minute;  
Your car starts out again, intact,  
And better still—you're in it."

### Hard Problem

An American in dear old London was bragging about his automobile. He ended his eulogy by declaring: "It runs so smoothly that you can't feel it, so quietly you can't hear it, has such perfect ignition you can't smell it, and as for speed—boy, you can't see it."

"But, my word, old dear," interrupted the Briton, anxiously, "how do you know the bally thing is there?"

### He Needn't Complain

The late "Private John" Allen of Tupelo, Miss., for many years the famous wit and story-teller of Congress, told a yarn of a railroad eating house in his state which had a negro employe who got out on the platform at the station and beat a gong whenever trains pulled in to stop for meals.

One day a setter dog belonging to the proprietor followed the negro out and stretched out at his feet on the platform. As the train drew in the

negro started beating the gong just over the animal's head, "Gong! Gong! Gong!" "Ow-wo-wo! Ow-wo-wo!" howled the dog as the noise rang in his ears. Finally the negro looked down at him and remonstrated: "Look heah, dawg, what am yo' howlin' 'bout? Yo' doan hab to eat dis yeah food!"

### A Game We All Play

Two small boys were puzzling their brains to invent a new game. At last one of them said, eagerly: "I know, Billy, let's see who can make the ugliest face."

"Aw, go on!" was the reply. "Look what a start you've got!"

### No Wonder

Hotel Guest: "Waiter, the service is terrible. You gave that fat man at the table next to me a steak twice as big as the one you brought me. Where's the manager?"

Waiter: "The fat guy is the manager."

### Proof Lacking

"Do you love me, John?"

"Of course I do."

"Then why doesn't your chest go up and down like the man in the movies?"

### Stung

The Magnate (to hard-up suitor)—"Young man, d'yer know how I made my money?"

The Young Man—"Yes—but I can't permit that to stand in the way of Muriel's happiness!"

### Bones, Not Stones

Sambo—"Tambo, I hear yo'all done been languishin' in jail."

Tambo—"Yassah, them's true words. Done got 'rested fo' practicin' engineerin' widout no license."

Sambo—"What kinda engineerin' is yo' been practicin'?"

Tambo—"Oh, Ise one ob dese seben come a leben cubical engineers."

### He Knew!

Ethel—"I was taken to dinner by that Western gentleman you introduced to me. He was quite gallant and remarked upon my bird-like appetite."

Mary—"Well, he should be a good judge on that point, dear; he runs an ostrich farm in California."



"Restraint of Trade," Perhaps

## Inoculate Alfalfa!

Clover,  
Soy Beans,  
Vetch, Peas,  
Beans and  
all Legumes  
with

The Improved Soil Inoculator, Noble-Biltner Process

# NITRAGIN

Restores and Maintains Soil Fertility

### The Original Soil Inoculator

The simplest and most profitable system of soil inoculation for all legumes. Enriches the soil, increases yield, hastens maturity, and saves fertilizer bills. Granular in substance, easy to mix with seed. Packed in tins and sold on bushel basis; one bushel size will inoculate one bushel of any legume seed. Prices:

1/4 bu. size for 15 lbs. seed \$ .40 1 bu. size for 60 lbs. seed \$1.00  
1/2 bu. size for 30 lbs. seed .60 5 bu. size for 300 lbs. seed 4.75

Caution! Like all really big things, Nitragin has many imitators. Inoculators are perishable; genuine Nitragin is dated on each package for your protection.

Order through your seed dealer or seed catalog. If dealer does not handle it, have him order it for you, or order direct from us. Always state kind of seed you want to inoculate. Write for free booklet, explaining Soil Inoculation with Nitragin.

The Nitragin Co., 661 National Ave., Milwaukee, Wis.

## Threshers Bundle Grain Handled as Well as Headed with the Humane Extension Feeder

Saves More Time, Labor and Grain. Pays for Itself and a Profit, Too. Easy pitching. Out of the dust. Light to handle. Guaranteed to Please.

Write for Folder and Free Trial Offer.

E. D. Richardson Mfg. Co.  
Specialists in Belt Repairing,  
900-7th St. Cawker City, Kan.

## Used Machinery

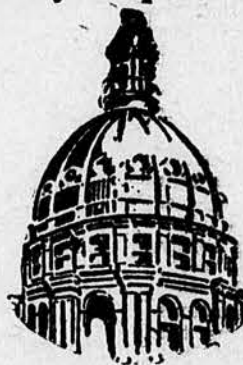
Can be sold or traded by using classified advertising in KANSAS FARMER AND MAIL & BREEZE which is read in over 60 per cent of the farm homes of Kansas.

What you don't need some other farmer does, and you may have just what the other fellow wants if he only knew where to get it. The cost is small and results big. Use the order blank in this issue and send in your copy.

## The Topeka Daily Capital at a Big Saving

The Topeka Capital  
Is

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In General News  
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You Save

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## The Topeka Daily Capital

The Paper for Kansas Readers

The regular price of the Topeka Daily Capital is \$6.00 a year. For 30 days only we will give the Topeka Daily Capital, Kansas Farmer and Mail & Breeze, Capper's Weekly and Household, each one year, all for only \$6.25. The regular price of this club is \$8.25. You save exactly \$2.00 if you order now. This Rate is Good for Kansas Subscriptions Only.

Price Advances to \$8.25 in 30 Days—Rush Your Order TODAY!

Every day in the Topeka Daily Capital you read—The Gumps, Gasoline Alley, Freckles and His Friends, The Old Home Town, full market reports, Associated Press news, continued stories and short stories, Walt Mason, "Kansas Grass Roots," and more Kansas news than any other daily paper prints. The Topeka Capital specializes in Kansas news. This special offer is the biggest newspaper bargain in Kansas. The special rate does not hold good outside of Kansas.

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My Name..... R. F. D. or St.....

Town..... State.....  
(Be sure to give route number if you live on a Rural Route.)



## Short Session Points Way

According to Nicholas Longworth, newly elected speaker, the House of Representatives in its recent short session devoted more time to local and general legislation than any previous short session in history.

Mr. Longworth states that the appropriation and two deficiency bills passed were 11 million dollars less than the budget estimates, and nearly 25 million dollars below the appropriations for the first session of the Sixty-Eighth Congress. Mr. Longworth gave much credit for this fine record to the splendid and painstaking work of Martin Madden of Illinois, chairman of the appropriations committee, who was Mr. Longworth's rival in the race for speaker.

The session consisted of 73 actual working days, Mr. Longworth states, and in that time there were enacted 342 public laws, 38 public resolutions, and 223 private laws and resolutions, a total of 603 laws and resolutions.

"We have placed the Government on a sound working basis, during the two sessions of this Congress," Mr. Longworth continues, "and because we have been able to reduce expenditures thru strict economy and good administration, we shall be able, when the new Congress meets in December, to take up the question of further reducing the tax burden for the support of the Federal Government."

The record of the closing Congress, with regard to financial legislation, in the light of these figures, appears to have been creditable, and as legislation of this nature must originate in the House of Representatives, Speaker Longworth is justified in feeling good over it.

Moreover, the ways and means committee of the next Congress has already been formed. According to its chairman, this committee will hold sessions in the fall, before Congress convenes, and will thresh out the matter of further tax reduction and changes in the current revenue act.

The next House of Representatives will have a real majority of Republicans, and the people of the country, who voted so decisively last year for Republican policies, can look forward to its program with a great deal of confidence and satisfaction.

## Air Liners at Last

Commercial aviation, long delayed in this country, seems about to begin on a scale comparable with that of Europe. The General Airways System—a name impressive in itself—is scheduled to start in the fall.

There will be a fleet of Sikorsky biplanes, all metal, with twin Liberty

motors, having Pullman accommodations for eight passengers apiece and a ton of freight besides. They will fly daily between Boston and Minneapolis, stopping at New York, Cleveland, Detroit and Chicago. The distance is 1,400 miles.

This is no light venture. All preventable risks are eliminated beforehand. Everything will be ready when the service starts—landing fields and terminal airdromes for the regular stops en route, emergency landing places every 5 or 10 miles, and radio beacons at regular distances all the way. The pilots will have dependable compasses and flight indicators, enabling them to fly in fog, rain or snow, maintaining an even keel without seeing the ground. They also will be guided continuously by a uniform series of wireless dots and dashes, warning them by a change of signals if they veer from their course.

Passengers will pay about 15 cents a mile, and it will be worth the money to anyone who is in a hurry or wants a thrill. Prices should come down later, as air transportation develops. Most Americans now living probably will enjoy this mode of travel before they die.

## He Surprises Democrats

Oscar W. Underwood of Alabama has shocked some of his fellow Democrats in the Senate by publicly commending Vice President Dawes for his criticism, in his inauguration address, of long-standing rules of the Senate which make filibustering not only possible but frequent.

"There is an old saying that there is nothing new under the sun," Senator Underwood writes in an article for the New York Times. "That is pretty nearly true of modern parliamentary bodies. Their procedure, in the last analysis, has grown up to fit conditions and was not adopted until conditions justified it."

"Vice President Dawes, in his inaugural address to the United States Senate, rather startled the country with his declaration in favor of a cloture rule for the Senate. It was not his advocacy of a cloture rule that startled so much as it was the fact that, for the first time in the memory of man, the Vice President had the temerity to tell the Senate how to run its business. This came rather as a shock to the Senate. But, so far as his declaration in favor of a rule that would allow the majority to transact business in the Senate is concerned I feel quite sure that what he said meets with the approval of the country at large."

A well-known actress has written a book called "My Lovers." It will begin, of course, with Chap I.

## Why Colleges are Maintained

BY F. D. FARRELL

THERE is a wide-spread belief that the only people who receive large benefits from colleges and universities are the students who attend them. Many people apparently think that these institutions are maintained solely for the benefit of the students. Sometimes this belief leads to proposals that college students should be required to bear the entire cost of maintaining the colleges that they attend. Such proposals might be sound if only the students benefited from college education. But that the students are not the only beneficiaries has been shown conclusively in a great many instances.

While the college student usually benefits greatly from college education, the public, in the aggregate, benefits much more. Colleges are maintained not for conferring benefits on the small percentage of the population which attends them, but for preparing a limited number of men and women, usually of more than average ability, to perform tasks for all of us which most of us ordinarily are unable to perform. This is only another way of saying that colleges are maintained primarily for developing the qualities of leadership. That they are generally successful is shown by the fact that practically all of us depend for leadership, in many important activities, on college trained men and women.

This dependence can be seen clearly when we consider how we look about for expert information or assistance in affairs on which most of us are not well informed. When we build a fine home or other building, we look to the architect for assistance. When we build an expensive bridge or hard-surfaced road, we look to the civil engineer. When we need medical or surgical attendance, we call in the trained physician or surgeon for ourselves and the trained veterinarian for our domestic animals. And when we need legal advice, we must depend on the trained attorney. The work of most of the agencies of popular education is done by college trained men and women. These agencies include many of the good newspapers and magazines, and the grammar schools and high schools. In agriculture we must look to all these groups of college trained men and women for the services suggested and for many others. We also have need to depend on college trained people for a great variety of technical agricultural service. It is true that we, as individuals, must pay for this service. But this payment seldom makes the payee rich, and, generally speaking, the service we buy is indispensable to us.

## A Better Combine

"THE most profitable machine a grain grower can own," is the comment of every experienced combine user after operating with a Case harvester thresher.

Profitable—because of the remarkable savings it makes. Less labor is required. An immense amount of time is saved. The grain is completely cut, threshed, separated, and thoroughly cleaned—all at one swift operation. It goes to market in the best possible condition to bring the highest prices. *Combine harvesting with a Case is the cheapest known method of harvesting grain.*

This remarkably efficient machine is the product of a Company that has been manufacturing grain handling machinery for more than three-quarters of a century. All this wealth of experience has been used to make the Case a *better* combine.

Write TODAY for prices and terms. Use the coupon.

**J. I. Case Threshing Machine Co.**  
Incorporated Racine, Wisconsin Established 1842

J. I. Case Threshing Machine Company  
Dept. D12, Racine, Wisconsin

Please send me full description, with prices and terms, of the Case combine—the machine that saves labor, time and grain.

Name \_\_\_\_\_  
Post Office \_\_\_\_\_  
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Order Club No. 500

KANSAS FARMER AND MAIL & BREEZE, TOPEKA, KANSAS.

## Cattle King Corn for seed \$7.50 Per Bushel

### REMARKABLE NEW YELLOW CORN

Ideal for Dairymen, Stock Raisers and Corn Feeders. Large kernels on long ear with small cob. Heavy yielder. Matures early. Very high protein content. Large stalk and liberal foliage make it a splendid silage corn. Recommended most highly by experienced growers and feeders. Seed specially grown and selected. Double tested for germination.

**FREE Sample** Sign and mail the coupon for **FREE** sample and complete literature. Send NOW.

**NORTHWESTERN SEED CO.**

623 Pacific Street, OMAHA, NEBR.

Please supply me with samples and full information regarding your Yellow Cattle King Corn.

NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_

DUE to limited available, quantity and our desire to have this variety grown as widely as possible, we prefer to limit the quantity to 2 bu. to each purchaser. This should yield about 700 bu., which you can sell for seed next year.

We have a choice supply of all standard corn varieties both yellow and white. Write for prices.





## Get the Best Egg Worth From Your Hens

You can't do this without enough calcium carbonate. Be sure by keeping **PILOT BRAND OYSTER SHELL FLAKE** before them all the time. It contains 98% pure calcium carbonate. It costs but little—only about 3c per year per hen.

### DEMAND PILOT BRAND

It's pure—clean—proper size—no dirt.

Packed in Adult and Chick Sizes.

Our shell is not packed under any other name.

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Security Bldg. St. Louis, Mo.



## Over 50% of BABY CHICKS die the first eight weeks

### Why COLLIS PROCESS Pure Dried Buttermilk SAVES BABY CHICKS

- 1 Just pure milk solids with lactic acid.
- 2 Its lactic acid content kills disease-producing bacteria of the chick's internal organs.
- 3 Supplies food elements for bone, tissue and feathers.
- 4 Sanitary. No dirty vessels to cause disease.
- 5 All feed value of fresh buttermilk is retained in Collis Process Pure Dried Buttermilk.

### Correct Feeding Will Reduce This Loss

Not our word alone, but the authentic reports of government experimental stations, proves conclusively that Collis Process Pure Dried Buttermilk in starting mash gives the baby chicks just what they need for a well balanced ration.

**Keep Your Poultry Healthy**  
The germ of fowl cholera and fowl typhoid cannot exist in the Lactic Acid content of Collis Process Pure Dried Buttermilk. Don't raise baby chicks without it being part of the ration.

**FREE to Poultry Raisers**

Our illustrated booklet "Feed from the Egg to the Market" contains valuable information of interest to all poultry raisers. It is free; write for it today, giving the name of your poultry feed dealer.

**Collis Process Pure Dried Buttermilk**  
Packed in 8½—25—50—100 lbs. Sold by most dealers—if yours cannot supply you, write direct.

**COLLIS PRODUCTS COMPANY**  
General Office, Clinton, Ia., Dept. 250

**CULBERTSON QUALITY CHICKS**

**CHICKS**  
12 varieties, 2500 daily. Vigorous, healthy purebreds, from egg-producing flocks. 100% Live arrival, postpaid. Leghorns, Anconas, 100-112, Rocks, Reds, Orpingtons, Wyandottes, 100-114. Leftovers, 100-110. Write for free catalog. Bush's Poultry Farms, Dept. K 4 Clinton, Mo.

## 30 Years With Incubators

Thirty years ago, when we came to Kansas, my brother gave me a 55-egg incubator and brooder combined. I put it in the basement, and filled it with as nice a lot of eggs as I could get. I followed the directions strictly, and got 30 splendid chicks. I have used incubators ever since, and now have two which hold 220 eggs apiece, and one which has room for 130 eggs.

There are many good reasons for using the machines. One can get a big early hatch, which will supply high priced broilers, and fall pullets for winter eggs. Then an incubator cuts the feed bill, as biddy must have good service to keep her on the job. And then, too, one can reduce the work of caring for the flock to the minimum if he has an incubator.

I have the use of a cemented, arched cave, with an east ventilator and west doors. A long bench is available to hold the trays while I am airing the machines and turning the eggs. I keep oil, water and matches at hand, and some attention night and morning while the machines are running is all that is necessary. I know that one may "splutter around" a dozen times a day, but it isn't necessary.

And the hens can keep busy with egg production to help meet the expense problem. One needn't worry about lice so much when the chicks are machine hatched—and I believe lice cause more trouble than any other thing the poultry raiser encounters. So I am satisfied that the incubator is the poultry woman's best aid.

With the exception of the brooder on my first incubator, I have never had a brooder. I know the brooders are valuable, and are used generally, but I have been afraid of fires. I have a room in the poultry house with south windows which extend to the floor. I use a small heating stove in this room in the day-time. There is a large box around this stove, with 3-inch sides, which are filled with sand. The floor is covered with dry dirt and lime, and over this is alfalfa chaff. This makes a fine home for the chicks.

At night I put the chicks in pasteboard boxes which have been partly filled with chaff, and cover these with gunny sacks, with screen frames under these to keep out rats and to support the sacks. The chicks need no heat at night. We find that our poultry and egg sales go a long way toward paying our household expenses.

Little River, Kan. Mrs. C. C. Deal.

## Control White Diarrhea

White diarrhea is controllable only by strict sanitation and vigilance. It is highly infectious, and chicks may be contaminated in a number of ways. Hens which appear to be healthy may be carriers of the disease. It infects their reproductive organs. Young chicks also may become infected by eating food or by coming in contact with bedding or other materials which have been contaminated by droppings from diseased birds. They may get the disease by direct contact.

The only way to control the disease is to isolate each group in which the trouble is found, destroy all sick chicks and burn the feed, bedding, refuse and other materials in the brooder house. The floor and walls must be cleaned thoroughly with a hot lye solution or a good disinfectant dip.

Medicines do very little good. If eggs and baby chicks are obtained from disease free flocks, and if the brooder house is thoroughly cleaned before the chicks are put in, no trouble should be experienced.

## But Watch the Coyotes!

Five years ago I decided to try my luck raising turkeys. So I purchased two young Bronze hens from a neighbor, and got a good tom from another. I didn't know much about raising turkeys, but I was eager to learn. The crows are bad on our creek so I didn't get many eggs.

As the coyotes killed my tom I sold one hen, and set the other on 17 eggs I had obtained, and 11 little turks were hatched. I was rather discouraged over the outlook, but the hen raised nine of these little turkeys until they had attained some size, and then the coyotes also killed her.

But turkeys were selling at a fairly good price that fall, so I got \$33.78 for eight, and kept a young tom. I de-

cided to try the venture another season, so I bought three good young hens to go with the tom.

Just as these hens were beginning to lay in the spring, coyotes again killed one. But the other two raised 29 turkeys. Then a car ran over one of the hens and killed her. But the young ones brought \$116.

I was more than pleased with my success despite the hard luck with the two hens; I decided to keep the old tom, as he was a good one. Then I purchased two young hens to go with the one that had lived thru the adventures of the previous season.

That year, 1922, the three hens raised 45 turkeys. I sold one of the young toms for \$10, and put the rest on the market at 35 cents a pound, and the birds brought \$275.70. I valued the three hens and the old tom at \$20.

As we sold out and moved to Colorado that year I quit turkeys, but I am back now, and will go at it again. The last two seasons have not, perhaps, been very profitable for turkey raisers, but there is a profit in the business even at 20 cents a pound.

I have found that it is important to have vigorous stock, absolutely free from disease, and of blood lines not related. One should gather the eggs every day, and keep them in a dark, dry place. After the poulters are hatched handle them as little as possible, and feed sparingly at first. Let them presently have free range, but be careful when the weather is wet. Be sure they come home at night.

So long as I live on the farm I intend to keep turkeys, as I get much pleasure as well as profit from them. Burr Oak, Kan. Mrs. M. S. Miller.

## Sixty Days of Hog Bliss

One of the principal purposes of a hog is to get all he can eat. Usually the more he eats, consistent with good gaining, the more profitable he is to his owner, but sometimes his board bill is hard to pay.

Take, for example, a flock of pigs turned into an Indiana corn and soybean field. They weighed 124 pounds at the start, gained 1.03 pound a head every day, and gobbled up 753 pounds of corn in gaining 100 pounds. At the end of 60 days they were happy but unfinished at 182 pounds average.

Consider their next door neighbors. They were happier and heavier at the end of the 60-day period. They had the same kind of corn and soybeans, but in a self-feeder they had access to a mixture of 10 parts wood ashes, 10 parts of 16 per cent acid phosphate and 1 part of common salt by weight. They gained 1.77 pound a head daily, and consumed 483 pounds of corn and 9.5 pounds of the mineral mixture in making 100 pounds of gain. In 60 days they went from 124 pounds to 223 pounds.

The mineral mixture cost 2 cents a pound. Note that it was no fancy compound but a homemade mixture. Get your pencil and figure how much corn that 9.5 pounds of mineral mixture saved in making 100 pounds of gain. A mineral supplement is necessary where soybeans are used for the source of protein.

## 3 Sources of Income

We raise a nice flock of White Pekin ducks every year, and find them very easy to hatch and to produce. These birds offer three sources of income, their feathers, their eggs and finally, themselves.

If these ducks are fed a good mash they are excellent layers, and will help fill the egg basket in the fall when the hens are moulting. I have raised many breeds of ducks, but I prefer the White Pekin, as they are large and white and are not discriminated against on the market as some of the small or darker breeds are. When you give them free range they will gather much of their feed, and they are very free from poultry pests.

M. L. Jackson County.

## At Hays April 25

The annual round-up at the Fort Hays Experiment Station will be held April 25. Programs may be obtained from L. C. Aicher, superintendent, Hays.

## 28 Hens: 28 Eggs

U. S. Davis of Morrill has 28 hens which laid 28 eggs one day recently.

## ADVERTISEMENT

## White Diarrhea

### Splendid Success of Mrs. Ethel Rhoades in Preventing White Diarrhea

Mrs. Rhoades' letter will no doubt be of utmost interest to poultry raisers who have had serious losses from White Diarrhea. We will let Mrs. Rhoades tell it in her own words:

"Gentlemen: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. My first incubator chicks when but a few days old, began to die by the dozens with White Diarrhea. I tried different remedies and was about discouraged with the chicken business. Finally I sent to the Walker Remedy Co., Dept. 48, Waterloo, Ia., for a \$1.00 box of their Walko White Diarrhea Remedy. It's just the only thing for this terrible disease. We raised 700 thrifty, healthy chicks and never lost a single chick after the first dose."—Mrs. Ethel Rhoades, Shenandoah, Iowa.

### Cause of White Diarrhea

White Diarrhea is caused by the *Bacillus Bacterium Pullorum*. This germ is transmitted to the baby chick through the yolk of the newly hatched egg. Readers are warned to beware of White Diarrhea. Don't wait until it kills half your chicks. Take the "stitch in time that saves nine." Remember, there is scarcely a hatch without some infected chicks. Don't let these few infect your entire flock. Prevent it. Give Walko in all drinking water for the first two weeks and you won't lose one chick where you lost hundreds before. These letters prove it:

### Never Lost a Single Chick

Mrs. L. L. Tam, Burnetts Creek, Ind., writes: "I have lost my share of chicks from White Diarrhea. Finally I sent for two packages of Walko. I raised over 500 chicks and I never lost a single chick from White Diarrhea. Walko not only prevents White Diarrhea, but it gives the chicks strength and vigor; they develop quicker and feather earlier."

### Never Lost One After First Dose

Mrs. C. M. Bradshaw writes: "I used to lose a great many chicks from White Diarrhea, tried many remedies and was about discouraged. As a last resort I sent to the Walker Remedy Co., Dept. 48, Waterloo, Iowa, for their Walko White Diarrhea Remedy. I used two 50c packages, raised 800 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail."—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.

### You Run No Risk

We will send WALKO White Diarrhea Remedy entirely at our risk—postage prepaid—so you can see for yourself what a wonder-working remedy it is for White Diarrhea in baby chicks. So you can prove—as thousands have proven—that it will stop your losses and double, treble, even quadruple your profits. Send 50c for package of WALKO (or \$1.00 for extra large box)—give it in all drinking water and watch results. You'll find you won't lose one chick where you lost dozens before. It's a positive fact. You run no risk. We guarantee to refund your money promptly if you don't find it the greatest little chick saver you ever used. The Leavitt & Johnson National Bank, the oldest and strongest bank in Waterloo, Iowa, stands back of our guarantee.

**WALKER REMEDY CO., Dept. 48, Waterloo, Iowa.**

Send me the [ ] 50c regular size (or [ ] \$1 economical large size) package of Walko White Diarrhea Remedy to try at your risk. Send it on your positive guarantee to promptly refund my money if not satisfied in every way. I am enclosing 50c (or \$1.00). (P. O. money order, check or currency acceptable.)

Name.....

Town.....

State..... R. F. D.....

Mark (X) in square indicating size package wanted. Large package contains about two and one-third times as much as small.



## Cultivating for Moisture

Dry-land winter wheat production is most successful when carried on under a summer fallow rotation, according to tests conducted by the United States Department of Agriculture at Akron, Northeastern Colorado. During 15 years the average yield of winter wheat on fallow land has been 19.1 bushels. This is 8.6 bushels more than the best methods where wheat follows wheat on the same experimental farm.

The best fallow practice included preparing the land in the spring, leaving the surface rough and cultivating frequently enough to control weeds. Probably the best way is to disk the land to destroy the first crop of weeds and then to follow with plowing to kill the second crop. Subsequent cultivation should be done with a disk, or preferably with a shovel cultivator. Listers and lister cultivators also are desirable tillage tools. The repeated disking is likely to pulverize the ground too much.

The soil on which the tests have been conducted is typical of the heavy land in the Great Plains region, and similar to that in Northwestern Kansas and portions of Western Nebraska. The top is a light to dark brown sandy loam underlain with clay loam, containing some sand pockets. The average annual rainfall of the region during the 16-year period since the station was established has been 17.95 inches, which is right on the margin for profitable production.

Spring wheat did not show the same response to better cultural methods, and averaged only 13.2 bushels on fallow. The average for all plots cropped to spring wheat was 10.3 bushels. Because the two wheats do not conflict either in planting or harvesting, it is possible to grow both, and thus utilize machinery and other equipment to the fullest extent.

Probably the best cropping system is one in which winter wheat follows corn. By disking corn stubble a cheap form of wheat seedbed preparation is had, and the cost of production is lowered. The wheat under this method has averaged 13.5 bushels for 15 years, and the corn has averaged about 14 bushels. The advantage of this method is that a greater amount of grain is produced, and the corn stover is available for maintaining livestock. Under a straight fallow the soil is idle one year in two, or in other words 2 acres are necessary for producing 19.1 bushels.

Barley seems to be the best feed grain, and is responsive to cultural methods. Summer fallow for barley resulted in an average of 31.8 bushels an acre. Oats does not respond so well, but it has a special value for feeding and the possibilities for hay are promising.

The department in summarizing the findings suggests a livestock system supported by the best practices for producing feed crops under dry land conditions. Corn and the sorghums for forage and silage are reasonably productive and sure. Corn has not made a complete failure in the 15 years. Results are given in Department Bulletin 1304, copies of which may be had by addressing the United States Department of Agriculture, Washington, D. C.

## Farm Buying Picks Up

A Chicago market letter reports that Western sentiment has not agreed with Eastern as to the merits of Western railroads as investments, and it is Eastern and not Western money that financed the great Wall Street boom in railroad securities. Western opinion was affected by observation of traffic. Western car loadings were heavy, the movement of farm products was satisfactory, but it was observed that the cars came back empty. Farmers, in short, were not in the market.

Last week, however, a Chicago dispatch gave a more optimistic account of Western railroads. Farm buying is now showing the results of fair crops and better prices. Analysis of the business of 100 manufacturers of agricultural machinery by the Federal Reserve Bank of Chicago brings out that sales of farm machinery in February were 43 per cent greater than in January, and 26½ per cent greater than in February, 1924. At the same time the agricultural machinery factories billed to farmers direct 110 per cent more

business in February than a year ago. While there is no substantial change in export business, the home business is picking up to a notable extent.

Kansas cuts a large figure in this revival of farm buying, as it had a relatively good corn as well as wheat crop. In quality its corn led the country in 1924, and if the Kansas farmer did not get the peak price for his wheat, he has been getting it for the corn crop, whether sold for cash or fed to hogs. The tide has apparently turned, and West-bound cars will be better loaded in 1925 than in 1924.

The question of the revival of agriculture is what has caused hesitation in business generally. Once this revival is definitely assured it will have a stimulating effect on every other line of business in the country.

## No Race Mixture There

On some islands off the coast of Panama lives the hermit tribe of San Blas Indians. There are about 20,000 of them. For centuries these Indians have lived in their boats, with the result that the present generation is short, averaging about 5 feet in height, have very small, thin legs and huge arms and shoulders.

This is one of the purest tribes in the world. There is no strain among them of Spaniard or black or white. Traders are permitted to visit the islands during the daytime. When night comes, every alien must go back to his ship, and during the day, when strangers are ashore, the Indian women keep to their bamboo houses so the eyes of the foreigner may not rest upon them. The women are forbidden, under pain of death, to leave the islands. The men occasionally sail their dugout canoes to Colon to trade, and an adventurous few sometimes get on ships—but the women stay at home.

## Distribution on Wheels

Business is beginning to wonder where it is heading, now that it is on wheels. The automobile and the motor truck have given it a mobility that has, according to many observers, taken it out of the old highways and byways of trade and opened new paths for it to follow.

The distributor reaches out to greater distances with the truck, and the purchaser meets him more than half way in the automobile. Some business

men already profess to see sweeping changes in distribution methods as a result. It is asserted, for example, that the small American town is growing smaller, and the larger marketing centers, being more accessible to a wider sweep of territory, are growing larger. One mail order house, finding that its customers now prefer to drive 40 or 50 miles or more to do their shopping rather than rely on the catalog and postoffice, is said to be considering the establishment of a chain of stores where the public can do its buying directly after looking over the stock.

These and other effects of the motorization of business will be studied as one of the phases of distribution by the national distribution conference organized under the auspices of the Chamber of Commerce of the United States.

The larger aspect of the same problem, the relation of motor transport to international trade, also is to be taken up by the International Chamber of Commerce at its meeting at Brussels next June.

## \$621 From 120 Hens

I have a flock of Rose Comb Rhode Island Whites, which I have culled closely for six years. Last year we started with 120 hens. I sold 600 baby chicks for \$85, \$50 worth of hatching eggs, \$30 worth of old hens, \$100 worth of young cockerels, eggs sold on the market brought \$156, and I finished the season with 100 young pullets worth \$200, or \$621.

In the winter I feed the hens kafir in a deep straw litter as an early morning feed. At 11 o'clock I open the self-feeder, which contains 1 part each of shorts, bran and cornmeal, and ½ part of meat scraps. Oyster shells and fresh water are available all the time.

At 1 o'clock I give the birds the table scraps, 1 gallon of warm separated milk, and 1 gallon of steamed oats. At 4:30 I feed 1 gallon of shelled corn in the litter.

Regularity in feed is important. And the birds must have plenty of exercise. We grow all the feed used by the flock; if it were purchased it would cost perhaps 30 cents a day. But the eggs and fries used at home more than pay the feed bill.

Mrs. Walter Cochren.

Holton, Kan.

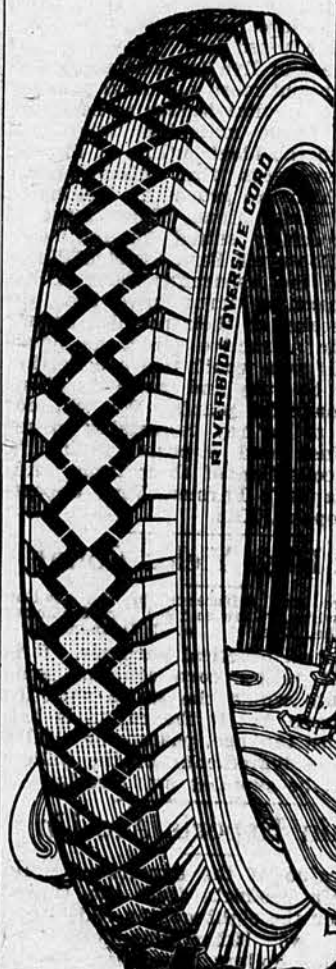
**\$13.95 Champion Belle City \$21.95**  
**140 Egg Incubator 230 Egg**  
 80-Egg Size, \$11.95. Hot-Water Copper Tanks, Self-Regulated Safety Lamps. Hatches chicks, ducks, turkeys and geese. \$5.95 buys 80-Chick; \$7.95, 140-Chick; \$9.95, 230-Chick Hot-Water Double Walled Brooder. Save \$1.95. Order both.  
 80 Size Incubator and Brooder—\$15.95  
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 230 Size Incubator and Brooder—\$29.95  
**Express Prepaid**  
 East of Rockies and allowed West. With my Guaranteed Hatching Outfit and Poultry Guide your success is assured. Save Time. Order Now. Share in my Special Offer.  
 Or write me for new Free catalog "Hatching Facts" and lowest prices on big capacity incubators, Coal and Oil Canopy Brooders. It tells everything. Jim Rohan, Free.  
**Belle City Incubator Co., Box 21 Racine, Wis.**

**140 Egg Incubator \$13.25**  
**30 Days Trial**  
 Freight Paid east of the Rockies. Hot water, copper tanks—double walls—dead air space—double glass doors—a real bargain at \$13.25. Shipped complete, set up ready to use.  
 140 Egg Incubator and Brooder - \$17.75  
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 180 Egg Incubator and Brooder - 22.00  
 250 Egg Incubator Alone - 22.75  
 250 Egg Incubator and Brooder - 31.00  
 340 Egg Incubator Alone - 30.75  
 Made of California Redwood. Order direct from this ad. 30 days trial—money back if not pleased. If not ready to order now, don't buy until you get our 1925 catalog which shows larger sizes up to 1000 eggs.  
**WISCONSIN INCUBATOR CO., Dept. 132 Racine, Wis.**

**STURDY CHICKS**  
 BABY CHICKS and hatching eggs from healthy flocks bred for years for high egg production. Our big, vigorous, healthy chicks will guarantee big poultry profits. 200,000 eggs incubated monthly. 12 varieties. Prices not higher than for ordinary kind. Guaranteed live arrival. Postpaid. Big illustrated catalog free.  
**Standard Egg Farms, Box 11 Cape Girardeau, Mo.**

**Copper Engraving**  
 WRITE for PRICES ON CATALOGS & LETTERHEADS  
 ARTISTS ENGRAVERS DEPT.-M  
**TOPEKA-WICHITA**

**LICE AND MITES**  
 Don't let them check your egg production and spread disease, when you can rid your flock so surely and easily with the old, reliable LEE'S LICE KILLER. New, free 64-page book by Geo. H. Lee tells also how to stop worm and disease troubles of poultry and hogs—information worth many dollars. Million copies already requested. Get Lee's Lice Killer and free book at the leading drug or seed store in your town, or write to the  
**GEO. H. LEE CO., Dept. 59, Omaha, Neb.**



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## You Can't Buy Better Quality So Why Pay More?

We want to sell you a Riverside Tire on the basis of high quality. We say to you that a Riverside Tire will do all any other tire can do. They are guaranteed to run 10,000 miles on your car. They often go 18,000 miles. What more can any other tire do? So why pay more?

### Built to Our Order To Equal the Best

Satisfactory service and long mileage are built into Riverside Tires at the factory under our supervision. They cost as much to make, contain as much or more good live rubber, just as strong fabric, and are as carefully made and inspected as any tire regardless of price.

### Compare Riverside Tires Only with the Best Standard Tires

Riverside Tires are not to be compared for a moment with tires made lighter and smaller on purpose to sell for a little less or a little more than our tires. They are to be compared only with the best standard makes of superior quality.

Riversides are the safe tires for you to use. Big heavy blocks of live rubber and extra thick side studs and husky ribs grab the slippery roads and are your greatest protection against skidding.

### Order at Our Risk

Our 53-year-old guarantee protects you. Your money back if you are not satisfied. If you have not received your copy of our Auto Supply Catalogue, just drop us a postcard requesting one.

Please send me two more Riverside Cords. I have two that have gone 6,000 miles and they look like they had been run only 1,000 miles. Hereafter nothing but Riversides for me.  
**William Sato, Cloquet, Minn.**

Have used a pair of Riverside Cords for a year, over 10,000 miles, and they are still good. Other cords put on at the same time are gone.  
**Mr. M. A. Smith, Sioux Falls, S.D.**

I have a Riverside Tire that has been on my car three years and seven months. Two of my neighbors are now using Riversides after seeing the splendid service they gave me.  
**J. R. Johnson, Pingree, N. D.**

**Montgomery Ward & Co.**

The Oldest Mail Order House is Today the Most Progressive

Chicago

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## Pocket Telescope



### Magnifies 4 1/2 Times

These telescopes are commonly known as Opera or Field Glasses and are extremely useful on many occasions. When extended they measure 3 1/2 inches long and when closed, 2 1/2 inches. Equipped with powerful lens which will enable you to identify people, animals and objects miles away. Farmers, motorists, Boy Scouts, hunters, fishermen, etc., will find the pocket telescope to be just what they need to take with them on their trips through fields and woods. Each telescope comes in a neat carrying case.

### SEND NO MONEY

We are going to give away thousands of these telescopes, free and postpaid. Be the first one in your locality to have one. Just send name and address and we will send you postpaid, four packages of beautiful assorted Post Cards to give away free on our big, liberal 25c offer. An hour's easy work among your closest friends brings this pocket telescope to you. Write me today. A Post Card will do—just say, send Post Cards, I want to earn the Telescope.

UNCLE EZRA,

Telescope Dept. 10, Topeka, Kansas

## Swiss Clock



### DEPENDABLE TIMEKEEPER

As an ornament it is unique. Suitable for library, hall, parlor, dining room or in fact any room in the house. Its cheerful face and regular habits will endear it to all. The clock is the same as those made famous in Swiss Songs and stories. Beautifully decorated with hand painted mountain scene in natural colors. Comes securely packed with pendulum, chain and weight. It will help to keep you company.

### Our Special Offer

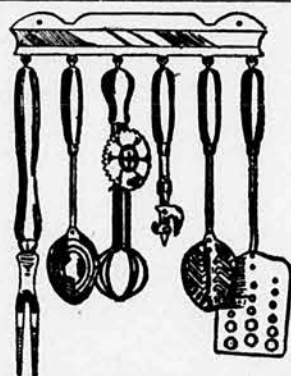
Send us four one-year subscriptions to Capper's Farmer at 25c—\$1.00 in subscriptions and 50c in cash, a total remittance of \$1.50 and the Swiss Clock will be sent Free and Postpaid. Send order to Capper's Farmer, Topeka, Kan.

## 3 Charming Ferns!

### Best Varieties

This great collection includes an "Asparagus Fern," an "Ostrich Plume Fern," and the "Roosevelt Fern." No other house plant is more extensively grown than the graceful "Asparagus Fern," while in the "Ostrich Plume Fern" is found a particular variety which appeals to every eye. The "Roosevelt Fern" is a fern for every home. The fronds are broad and beautifully tapered from base to tip, giving a pronounced wavy effect seen in no other variety. It is the grandest fern of its class yet introduced.

**OUR OFFER:** We will send you this collection of ferns postpaid for a club of two one-year subscriptions to Capper's Farmer at 25c each. Your own subscription will count as one in this club. Order now. Address Capper's Farmer, Fern Dept., Topeka, Kan.



## 6-Piece Kitchen Set

Set consists of meat fork, measuring spoon, egg beater, can opener, mixing spoon, pancake turner and metal rack on which to hang each piece. Parts are of good grade metal and nickel plated. Handles are of hard wood, finished in white.

**OUR OFFER:** This six piece kitchen set will be sent FREE and postpaid for two one year subscriptions to Kansas Farmer and Mail & Breeze at \$1.00 each—just \$2.00 in all. Your own new or renewal subscription will count as one.

Kansas Farmer and Mail & Breeze  
Topeka, Kansas

## Rains Have Helped Crops

### Corn Planting Has Started in Southern Kansas —Rawlins Folks Just Finished Husking!

**R**ECENT local rains over much of Kansas have helped growing conditions greatly. In general the soil has enough moisture for the present, altho there are a few exceptions, especially in Central and Western Kansas. The oats crop is making good progress. Corn planting is underway in Southern Kansas—and a few folks in Rawlins county are just done husking the crop of 1924.

Wheat is doing well in Eastern Kansas. In the western two-thirds it is in better condition, speaking generally, than some folks think, but there are some sections where much of it has "passed out." This is especially true on the uplands of the North Central counties. Insect damage and dry weather have caused trouble in the south central counties. Dry weather and high winds have produced losses in Southwestern Kansas. Most of the crop in Northwestern Kansas is doing well.

Alfalfa is coming along all right. Sweet clover is supplying much pasture in Southern Kansas. The prairie grass pastures in the Flint Hills will be well filled.

**Allen**—Oats is growing nicely, and the stand is excellent. A large acreage of flax has been sown. The fruit crop is in good condition. Butterfat, 42c; eggs, 25c.—Guy M. Tredway.

**Barber**—High winds are beginning to tell on wheat and oats. Some farmers are planting corn. Roads are good. Grass will be late and stock still is being fed. There have been no public sales.—J. W. Bibb.

**Barton**—Wheat is growing nicely, but some fields are spotted from winter killing. Oats and barley are up. Some folks are planting potatoes. Fence repairing and caring for chicks is more important work now. Public sales are held frequently, and prices are good. Cream, 41c; eggs, 23c; hens, 20c; wheat, \$1.40; corn, 95c.—Elmer J. Bird.

**Bourbon**—Oats are nearly all sown, and a great deal of spring plowing is being done. The ground is in excellent condition for planting. Orchards are partially budded, and potato planting is finished. Pastures are good.—Robert Creamer.

**Brown**—Farmers have finished oats sowing. Much of the clover and some alfalfa were winter killed. Wheat was damaged slightly, but fields are turning green. Wheat, \$1.50; corn, 95c; oats, 55c; cream, 41c; eggs, 24c; hogs, \$12.75.—A. C. Dannenberg.

**Cherokee**—Weather conditions are ideal, and farm work is progressing rapidly. Oats sowing is finished, and some fields are almost green. An exceptionally large acreage of oats was sown in this county. Peaches, plums and pears are in bloom, and early gardens are growing. Eggs, 24c.—L. Smyres.

**Cowley**—Wheat and oats are doing well. The ground is in fine condition for corn. Some corn has been planted. Pastures are turning green, and with wheat pasture, too, there will be plenty of feed for stock. There are not many hogs, but the spring pig crop was large. Wheat, \$1.35; corn, 95c; butter, 24c to 40c; eggs, 22c.—E. A. Millard.

**Cloud**—There was a general rain last week, which was needed. High winds were drifting the soil in wheat and oats fields. There will be more oats planted, and potato planting is not finished. A large acreage of wheat ground is being planted to other crops.—W. H. Plumly.

**Edwards**—About 40 per cent of the wheat was killed. Oats and barley are coming up slowly. A recent rain will prove beneficial if the weather turns warm. Alfalfa is growing, but potatoes have not yet started. Public sales are held often, and prices are satisfactory. Butterfat, 40c; eggs, 22c; heavy hens, 16c.—W. E. Fravel.

**Dickinson**—April started with thunder showers. Wheat has made little progress so far. Some fields were drilled in oats, and more will be planted in corn. Farmers are busy making gardens and preparing corn fields.—F. M. Lorson.

**Ford**—Oats and barley sowing are nearly finished. High winds did some damage to wheat fields. Cattle are shipped from the county frequently. Prices are good at public sales. Wheat, \$1.47; corn, 95c; cream, 41c; butter, 45c; eggs, 22c; potatoes, \$1.30; apples, \$3.50; old chickens, 20c.—John Zurbuchen.

**Greenwood**—We are having ideal weather for farm work. Farmers are plowing for spring crops. The soil is in excellent condition. Oats sown on well-prepared seedbeds are growing. There have been a few prairie fires.—John H. Fox.

**Hamilton**—The much needed rain has come. Oats and barley seeding are finished. Wheat is improving. There is a large crop of little chicks. Public sales are held frequently. Eggs, 22c; butter, 40c; butterfat, 38c.—H. M. Hutchison.

**Harvey**—Cutworms are damaging gardens and small spots in oats. Wheat, \$1.42; oats, 40c; corn, 97c; butter, 40c; eggs, 24c; potatoes, \$1.50; heavy hens, 20c; light hens, 16c; flour, \$1.40.—H. W. Frouty.

**Kingman**—Wheat is not looking like it did this time last year. Some farmers report wheat killed by dry weather. Oats are up. Army worms are in the wheat fields, but no damage has been done. Heavy hens, 20c; eggs, 24c.—J. F. Kirkpatrick.

**Lane**—Wheat looks well. Barley is coming up but needs rain to insure an even stand. Weeds are starting unusually early. Several farm sales were held last week.—A. R. Bentley.

**Labette**—Wheat is growing nicely, and potato planting is finished. A large acreage of oats has been sown and looks well.

Beef stock is scarce and brings a good price. Peach and plum trees are in bloom. Corn, 96c; wheat, \$1.35; oats, 60c; bran, \$1.50.—J. N. MoLane.

**Leavenworth**—Wheat is slow in starting, but the weather has been dry. Oats sowing is nearly finished. Some farmers are plowing for corn.—R. P. Moses.

**Osage**—About half of the potato crop is planted. Some farmers have planted fruit trees. Oats are planted, and some fields are growing. Caring for chickens is a big job.—H. L. Ferris.

**Phillips**—Weather conditions are ideal, and roads are in good condition. Rain is needed to bring up barley, oats and sweet clover. Wheat was badly winter killed. Public sales are not numerous. Eggs, 24c; butterfat, 32c; bran, \$1.60; cornchop, \$2.15; potatoes, \$1.50, chickens, 16c.—J. B. Hicks.

**Pottawatomie**—Weather is fine, but dry. Rain is needed for newly planted crops. Oats sowing is finished. Hogs, \$12; wheat, \$1.40; corn, 95c; eggs, 20c; butterfat, 38c.—W. E. Force.

**Reno**—A recent rain has put wheat in splendid condition. Oats is coming up nicely. Wheat, \$1.25; corn, 88c; eggs, 23c; cream, 38c.—Mrs. Ralph Maughlin.

**Rice**—Wheat appears spotted in this county, with few good fields. Farmers are busy at the usual spring work. A much larger acreage will be sown to row crops than was anticipated. Wheat, \$1.35; corn, 80c; butterfat, 40c; butter, 50c; eggs, 24c; hens, 15c and 19c; hogs, \$12.25.—Mrs. E. J. Killion.

**Books**—We are having windy weather. The little winter wheat which survived has been badly blown out. Farmers are disking and preparing ground for corn. Some Sweet clover is being sown. Oats is coming up. Wheat, \$1.35; corn, 80c; oats, 55c and 75c; barley, \$1.—C. O. Thomas.

**Stafford**—The weather is dry and windy. Wheat is starting to grow. Gardens have made a poor start. There is sufficient farm help. Wheat, \$1.36; corn, 93c; butterfat, 38c; eggs, 22c.—Earl G. Fort.

**Stevens**—Our livestock has come thru the winter splendidly. Feed is plentiful. Wheat needs rain, but is in good condition generally. Public sales are held often. Prices are satisfactory. Kafir, \$1.35; maize, \$1.70.—J. C. Gerrond.

**Sumner**—There will be a large acreage of wheat resown to corn. Much corn ground has been prepared. Pastures are slow. A few public sales have been held, and prices were good. Wheat, \$1.45; oats, 55c; corn, \$1; eggs, 24c; butter, 40c; butterfat, 47c.—E. L. Stocking.

**Trego**—A large acreage of wheat has been winter killed. Some fields are blowing. Pastures are not turning green as rapidly as they might. Wheat, \$1.40; barley, 75c; kafir, \$1.35; eggs, 23c.—Charles W. Duncan.

**Wabaunsee**—We are enjoying fine spring weather. Oats are planted and coming up. Roads are in excellent condition. A great deal of new farm machinery is being bought. Eggs, 23c; butter, 30c.—G. W. Hartner.

## Beautify Your Home

Of all indoor plants, none gives more lasting pleasure and satisfaction than the popular house fern. They need but little care and live indefinitely, growing larger and more beautiful year by year. The peculiar beauty to be found in their single matchless wealth of growth, in the ideal outline of foliage, has given ferns first place among plants which are grown for the effect of their foliage alone. Three ferns of merit especially suited for the home are the Roosevelt Fern, Ostrich Plume Fern and the Asparagus Fern. These three charming ferns have been selected because of their peculiar beauty and their attractive effect as house plants. If you would like a collection of ferns be sure and write us about these wonderful plants. We will not ask you to do any canvassing to get them. Just send a postal saying "I want a collection of three ferns." Address, Capper's Farmer, Fern Department, Topeka, Kan.

## But High Yields Count

Is there any difference in the feeding value of white, yellow and red corn for hogs? Hiawatha, Kan. A. C. Dannenberg.

Not for all practical purposes. It is true that yellow corn contains some ingredients which the white varieties do not have, yet if the ration is balanced with tankage, pasture or alfalfa hay, these ingredients in the yellow corn will be supplied sufficiently.

## Grain Exports Are Up

The value of the exports of grain and grain products from the United States for the eight months ended with February was 392 million dollars, or 209 million dollars more than for the same eight months of 1923-24. This included 171 million dollars' worth of wheat.

John D. Rockefeller, Jr., says love is the greatest thing in the world, but it is John's good luck that fond words alone never kept a motor going.

## 10 GLADIOLI BULBS GIVEN

### Send Today for Your Set

2 Each of 5 Wonderful Varieties  
Know the Delights of a Gladiol Garden

### PRINCESS COLLECTION

There is a fascination about this flower that pleases everyone. Easy of culture, free from disease and insects. A wonderful plant for decorative purposes. Strong upright stems. They bloom long into the summer, and each day finds many new beautifully tinted flowers.



No trouble. Just plant in the full sun 6 inches deep and you are sure of lots of flowers.

A BRIEF DESCRIPTION OF VARIETIES ASSORTED COLORS—EVERY ONE A GEM—10 BULBS IN THIS SET

2—CHICAGO WHITE—Pure white with narrow lines, crimson-carmine on midribs of three lower petals surrounded by a little amber.

2—MARY FENNEL—One of the patricians of the garden. Beautiful light lavender flowers on a tall, slender spike, lower petals primrose-yellow with penciling of lavender, perfectly exquisite and distinct. Especially recommended.

2—PANAMA—A perfect Hermosa-pink in color with wide open wax-like flowers; one of the best of the clear pinks.

2—ROUGE TORCH—Large, creamy-white flower with scarlet feather in lower petals, much like a rouge, torchlike tongue, making a striking contrast.

2—GOLIATH—Improvement of "Empress of India." Extra fine. Purplish maroon. Large flower.

### OUR OFFER

The ten Gladiolus Bulbs as described above will be given with a one year subscription to Kansas Farmer and Mail & Breeze, all for \$1.00. Either new or renewal subscriptions will count. Don't fail to mention the Gladiolus Bulbs when you order.

Kansas Farmer and Mail & Breeze,  
Topeka, Kan.

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Good Stories.....1 yr.  
Poultry Keeper.....1 yr.  
Household Magazine.....1 yr.  
Capper's Farmer.....1 yr.

All Five—\$1.00

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Send the Above Papers to

Name.....

Address.....  
CAPPER'S FARMER, Topeka, Kan.

## Household 8 Months 10 Cents

Household Magazine, Dept. 66, Topeka, Kan.

**STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS OF AUGUST 24, 1912**  
Of Kansas Farmer and Mail & Breeze, published weekly at Topeka, Kansas for April 1, 1925.  
State of Kansas, County of Shawnee, ss.

Before me, a notary public in and for the state and county aforesaid, personally appeared J. E. Griest who, having been duly sworn according to law, deposes and says that he is the business manager of the Kansas Farmer and Mail & Breeze and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in Section 443, Postal Laws and Regulations, to-wit:

1. That the names and addresses of the publisher, editor, managing editor and business manager, are: Publisher, Arthur Capper.....Topeka, Kansas  
Editor, T. A. McNeal.....Topeka, Kansas  
Managing Editor, F. B. Nichols.....Topeka, Kansas  
Business Manager, J. E. Griest.....Topeka, Kansas

2. That the owner is: Arthur Capper.....Topeka, Kansas

3. That the known bondholders, mortgagees and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages or other securities, are: None

Sworn to and subscribed before me this 1st day of April, 1925.

[Seal] R. C. MCGREGOR, Notary Public.

(My commission expires June 6, 1926.)



# Farmers' Classified Advertising

Rate: 10c a word each insertion; 8c a word each insertion on order for 4 or more consecutive weeks. Minimum charge is for 10 words. Remittance must accompany order. Display type and illustrations not permitted. White space above and below type, 50c an area line. Count abbreviations, initials and numbers as words. Copy must reach us by Saturday preceding publication.

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## RELIABLE ADVERTISING

We believe that all classified advertisements in this paper are reliable and we exercise the utmost care in accepting this class of advertising. However, as practically everything advertised has no fixed market value and opinions as to worth vary, we cannot guarantee satisfaction, or include classified advertisements within the guaranty on Display Advertisements. In cases of honest dispute we will endeavor to bring about a satisfactory adjustment between buyer and seller, but we will not attempt to settle disputes where the parties have vilified each other before appealing to us.

## AGENTS

**FOR DRIED FRUITS, WRITE JIM SMITH,** Farmington, Ark. Agents wanted.

**BARN \$150 TO \$500 A MONTH TAKING** paint orders. Big selling season right now. Be first in your territory. Write Johnson Paint Co., 204 Gateway Station, Kansas City, Mo.

**MEN AND WOMEN FROM EVERY TOWN** in the United States to act as local representative for two well known monthly publications. Liberal commission offer. Supplies furnished free. Write E. R. McKenzie, Copper Bldg., Topeka, Kan.

**AGENTS—WRITE FOR FREE SAMPLES.** Sell Madison "Better-Made" Shirts for large manufacturer direct to wearer. No capital or experience required. Many earn \$100 weekly and bonus. Madison Corporation, 566 Broadway, New York.

**FREE TRIP TO CALIFORNIA.** GET three good, responsible farmers to go with you to inspect California state-approved lands. Opportunity for one good man in each community to join largest land-selling organization in U. S. Write for details. Herman Janss, 1229 Transportation Bldg., Chicago, Ill.

**FARMER AGENTS WANTED TO SELL DR.** Hinrich's Hog Worm Remedy (Permit No. 40 Iowa State Board of Agriculture). Guaranteed to kill worms and eggs. Not capsule treatment. Quick sales, liberal cash commissions—every hog raiser your prospect. Repeat orders sure. Big selling season here; write today. Harper Company, Aurora Ill.

## FARM HELP WANTED

**WANTED: ALL AROUND DAIRY MAN;** board and washing, \$35.00. Give phone number in answer. Lamming Dairy Farm, Tonganoxie, Kan.

## SERVICES OFFERED

**BUTTONS, PLEATING, HEMSTITCHING.** Mrs. M. J. Mercer, 800 Topeka Blvd., Topeka, Kan.

## PATENT ATTORNEYS

**PATENTS, BOOKLET AND ADVICE FREE.** Watson E. Coleman, Patent Lawyer, 444 G Street, N. W., Washington, D. C.

**PATENTS: BOOKLET AND FULL IN-** structions without obligation. B. P. Fishburne, Registered Patent Lawyer, 384 McGill Bldg., Washington, D. C.

**PATENTS, WRITE FOR MY FREE GUIDE** Books "How to Obtain a Patent" a. l. "Invention and Industry" and "Record of Invention" blank before disclosing inventions. Send model or sketch of your invention for instructions. Promptness assured. No charge for above information. Clarence A. O'Brien, Registered Patent Lawyer 1509A Security Bank Building, directly across street from Patent Office, Washington, D. C.

## BUG WEAVING

**RUGS WOVEN FROM YOUR OLD CAR-** pets. Write for circular. Kansas City Rug Co., 1518 Virginia, Kansas City, Mo.

## EDUCATIONAL

**EARN \$25 WEEKLY SPARE TIME, WRT-** ing for newspapers, magazines. Experience unnecessary. Copyright book free. Press Syndicate, 1211 St. Louis, Mo.

## TYPEWRITERS

**TYPEWRITERS \$10 AND UP. MONTHLY** payments. Yotz Company, Shawnee, Kan.

**TYPEWRITERS \$30 UP. EASY PAYMENTS.** Free trial. Payne Company, Rosedale, Kansas.

## KODAK FINISHING

**TRIAL ORDER: SEND ROLL AND 25c** for six beautiful Glossitone prints. Fast service. Day Night Studio, Sedalia, Mo.

**TRIAL OFFER: YOUR FIRST ROLL OF** film developed, 6 High Gloss prints and an enlargement from the best negative, 25c (silver). Peerless Photo Co., Charles City, Iowa.

## HAY

**SEVERAL CARS PRAIRIE HAY IN STOR-** age, \$9.00 per ton. Phil Heigels, Wilsey, Kan.

## MACHINERY—FOR SALE OR TRADE

**FOR SALE: MINNEAPOLIS SEPARATOR** 32x56 in good shape. Pearl Shaffer, Bunker Hill, Kan.

**22 HORSE RUSSELL COMPOUND EN-** gine, good condition, \$1,700.00. N. J. Yutzy, Hutchinson, Kan.

**WANTED—TO BUY USED LATE MODEL** Combine Harvester. Must be priced right. Ralph Proffitt, Chase, Kan.

**FOR SALE: 30-60 AULTMAN TAYLOR** and 36x64 Separator, in good shape, price \$2,300.00. V. E. Britt, Solomon, Kan.

**FORDSON OWNERS WRITE FOR NEW** improvement on Fordson tractors. Clean Air Co., 603 Sweiter Bldg., Wichita, Kan.

**FOR SALE: 15-30 INTERNATIONAL** Tractor and International Combine; in good condition. Geo. M. Brentnall, Ness City, Kan.

**BARGAIN: REEVES 33x56 SEPARATOR** complete. Small tractor or car considered in exchange. B. A. Shermer, Valley Falls, Kan.

**FOR SALE: MCCORMICK HARVESTER.** Thresher, cut 380 acres, shedded, practically good as new. John F. Goering, Galva, Kan.

**20 HORSE REEVES COMPOUND ENGINE,** 36x60 Avery Separator, tank, all good condition; \$1250.00 cash. Chas. Blair, Denton, Kan.

**FOR SALE: GOOD FIFTEEN THIRTY IN-** ternational and Twenty Eight Separator, complete; price \$1200.00. Frank O. Smith, Hartford, Kan.

**30-60 RUMBLEY OIL PULL, 36x60 AD-** vance Rumely Ideal separator, 15-30 International 14-28 Allwork. Priced to sell. J. H. Marzoff, Glen Elder, Kan.

**NICHOLS & SHEPARD STEAM THRESH-** er; 20 H. engine, 32x52 separator, new rubber drive belt. Shedded. Runs like new. \$1200.00. J. W. Wallace, Carbondale, Kan.

**GRAIN BINDERS, 7 AND 8 FOOT \$145;** tractor binders, 42 Hyatt roller bearings, 8 and 10 foot, \$185.00, while they last. Freight extra. Voss & Verhage, Downs, Kan.

**NEW AND USED TRACTORS, SEPARA-** tors, Plows, Steam Engines, Belting and all steel saw mills kept in stock for demonstration. Write for big list. Will Hey, Baldwin, Kan.

**THRESHING RIG, GOOD AS NEW: 15-30** International tractor, 24x40 new Racine separator, feeder, weigher, wind stacker. Priced \$700.00. Cheap. J. J. Hartman & Son, Elmo, Kan.

**FOR SALE OR TRADE FOR CATTLE:** one Nichols and Shepard steam threshing outfit, 18 H. Engine, 32x56 separator in condition to run, good wagon and tank. A. C. Baxter, Rural Route 3, Waverly, Kan.

**FOR SALE: RUMBLEY OIL PULL 16-30** tractor and 28x44 steel separator, like new. 32 Case separator and 20 H. P. Advance, and 20 H. P. Nichols and Shepard steamers. Above machines are priced to sell. I. A. Lumbar, Salina, Kan.

## AUTO SUPPLIES

**SAVE 50% TO 85% ON NEW AND USED** Auto Parts. Orders shipped promptly and guaranteed. Send us a trial order for what you need now. Southwest Auto Parts Company, 113 Southwest Blvd., Kansas City, Mo.

**SAVE 85% ON YOUR REPAIR PARTS.** For every make of car. Our stock is complete. Buy from us, save money. Garage men write for catalog. Mid-West Auto Parts Co., 1318-30 West Broadway, Council Bluffs, Iowa.

## AUTO ENAMEL

**"OLD MASTER" AUTO ENAMEL MAKES** shabby cars spic, span and shiny like new. Paint today—drive tomorrow. Anyone can apply. Inexpensive. Test sample free. Old Master Paint Co., Wichita, Kan.

## FOR THE TABLE

**PINTO BEANS, \$5.50 PER CWT. W. A.** Hooper, Stratton, Colo.

**WONDER WORKING YEAST: POUND** package 30c, postpaid. Lorena Wing, Marienthal, Kan.

## HONEY

**OUR VERY FINEST WHITE EXTRACTED** honey, 60 pd. can \$7.75; two \$14.50; 30 pds. \$4.25. Amber extracted \$6.50 and \$12. Drexels, Crawford, Colo.

## TOBACCO

**HOMESPUN TOBACCO, CHEWING 5 LBS.** \$1.50; 10-\$2.50. Smoking 5-\$1.25; 10-\$2. Mild 10-\$1.50. Pay when received. F. Gup-ton, Bardwell, Kentucky.

**HOMESPUN TOBACCO, CHEWING 5 LBS.** \$1.50; ten \$2.50. Smoking 5 lbs. \$1.25; ten \$2.00. Pay when received. Pipe and recipe free. Farmers Union, Paducah, Ky.

**HOMESPUN TOBACCO, CHEWING: FIVE** pounds \$1.50; ten \$2.50. Smoking: five pounds \$1.25; ten \$2.00. Pipe free. Pay when received. Satisfaction guaranteed. Kentucky Farmers Association, Paducah, Ky.

**HOMESPUN TOBACCO: CHEWING FIVE** pounds \$1.50; ten \$2.50. Smoking five pounds \$1.25; ten \$2.00. Pipe free, pay when received. Satisfaction guaranteed. Co-operative Tobacco Growers, Maxon's Mill, Kentucky.

**KENTUCKY HOMESPUN TOBACCO, AGED** in bulk, mild and mellow extra fine smoking, 10 pounds \$2.50; twenty \$4.00. Cheiving, 5 pounds \$1.75; ten \$3.00. Second grade smoking, 10 pounds \$1.50; twenty \$2.75. Quality first. Satisfaction guaranteed. Tobacco Growers Union, Lynnville, Ky.

## STRAYED NOTICE

**TAKEN UP AT MY PLACE IN DODGE** City, Kan., on March 15, one dark roan horse, about 10 or 12 years old, weighing about 1000 lbs. C. H. Myers, Dodge City, Kan.

## SEEDS, PLANTS AND NURSERY STOCK

**BROME GRASS SEED 10c LB. CLYDE W.** Miller, Mahaska, Kan.

**RECLEANED SUDAN SEED, 6c PER POUND.** B. R. Bull, Marysville, Kan.

**THOMAS SEED CORN, \$2.00 BUSHEL.** Charles Thomas, Zurich, Kan.

**ORANGE SOURLESS CANE SEED, \$1.00** bushel. Harry Wolfe, Lewis, Kan.

**CABBAGE: 50c-100c; \$4.00-1000, PREPAID.** H. T. Jackson, North Topeka, Kan.

**PRIDE OF SALINE SEED CORN. CERTI-** fied. H. T. Brenner, Waterville, Kan.

**CERTIFIED SUDAN SEED, RECLEANED,** sacked, 7c. C. M. Piper, Garden City, Kan.

**CERTIFIED VIRGINIA SOY BEANS,** bushel, \$3.50. H. G. Mosher, Schell City, Mo.

**DAHLIAS: DOZEN FINE MIXED, ONE** dollar, postpaid. L. G. Brown, Wilson, Kan.

**SUDAN 5c CARLOAD; 6c SMALL LOTS;** 7c freight paid. William Tipton, McPherson, Kan.

**PURE SUDAN, SUMAC, CANE, PINK AND** Dawn Kafir for sale. Harry Dyck, Ness City, Kan.

**SWEET CLOVER SEED, SCARIFIED, 7c;** alfalfa \$9 bushel and up. James Wiltse, Rulo, Neb.

**CERTIFIED FREED WHITE DENT SEED** corn, \$2.50 and \$3.00. Bruce S. Wilson, Keats, Kan.

**SEED CORN, FOUR VARIETIES, 90 TO** 120 day. Cane Seed. A Case & Son, Sterling, Kan.

**RECLEANED ORANGE CANE 85c; BLACK** hulled Kafir \$1.20; Sudan 5c. Carl Cory, Little River, Kan.

**EXTRA GOOD ORANGE CANE SEED 3** cents per pound, sacks free. Harry Tallaferrro, Severy, Kan.

**SUMAC CANE, PURE, 96% test MANHAT-** tan, 3 cents per pound sacked. Ed Woelk, Pawnee Rock, Kan.

**SUDAN SEED \$5.50 CWT.; SUMAC CANE** 8 cents a bushel. Free sample. Carroll Inloes, Wakeeney, Kan.

**COMMERCIAL WHITE SEED CORN \$2.00;** Recleaned Sudan seed \$5.50. Carpenter & West, Hartford, Kan.

**CERTIFIED ALFALFA SEED, WATER-** melon seed; write for samples. Stants Bros., Abilene, Kan.

**SEED CORN; IMPROVED, IOWA GOLD** Mine, \$2.50 bushel. Sample free. L. C. Feigley, Enterprise, Kan.

**PURE CERTIFIED SEEDS: GERMINATION** Milo 97%, Dawn Kafir 98, Pink Kafir 99. Blaesi & Son, Abilene, Kan.

**EXTRA HIGH YIELDING QUALITY, PURE** Sudan grass seed, 7 cents pound, sacked. Henry Harper, Severy, Kan.

**SWEET POTATO PLANTS, 17 VARIETIES** from treated seed. Write for catalog. Johnson Bros., Wamego, Kan.

**CHOICE NANCY HALL SEED SWEET** potatoes, \$3.50 per 50 lbs. net, crated. Willis J. Conable, Axtell, Kan.

**PURE SAND PLUMS, GUARANTEED** satisfaction. Will grow anywhere. Write, William Webster, Grove, Kan.

**GOOD QUALITY EVERGREEN DWARF** Broom Corn Seed, 10 cents per pound. Herman Mikkel, Coldwater, Kan.

**FOR SALE: SUDAN SEED, NEW, RE-** cleaned, extra good, 6 cents per lb., sacks free. Clyde Ramsey, Mayfield, Kan.

**SEED CORN; SILVER MINE WHITE,** shelled and graded, \$2.50 per bushel sacked. Wm. Griffie, Marysville, Kan.

**WANTED: GOOD QUALITY ALFALFA** seed. Send sample, stating quantity. Mitchell Seed Co., St. Joseph, Mo.

**GOOD RECLEANED SUDAN SEED, \$4.25** cwt. Sacks included. Cash with order. Seibert Equity Exchange, Seibert, Colo.

**PURE RECLEANED QUALITY SUDAN,** \$6.00 hundredweight, sacked. Quantities cheaper. Robert Geary, Firstview, Colo.

**PURE, CERTIFIED EARLY SUMAC CANE,** Pink Kafir, Dawn Kafir seed for sale. Fort Hays Experiment Station, Hays, Kan.

**3000 BUSHEL ORANGE CANE (SOUR-** less), mature, clean, high quality; \$1.00 per bushel. W. H. Shattuck, Ashland, Kan.

**PURE BRED WHITE ST. CHARLES SEED** Corn. Hand picked, official test 96%. \$2.50 per bushel. J. Lem Buck, Commerce, Mo.

**SEED CORN: PRIDE OF SALINE EARLY** white, Reid's Yellow Dent, \$1.75 per bushel. Order direct. Grandview Farms, Grantville, Kan.

**SEED CORN, HANDPICKED, YELLOW** and white, \$2.00 bushel. Recleaned Sudan \$5.50 hundred pounds. John Friesen, Lehigh, Kan.

**RED CEDAR TREES, \$2.00 PER HUN-** dred at Pawnee Rock Nursery, Pawnee Rock, Kan. W. M. Ziebler, Prop. Write for price list.

**MILLIONS STRAWBERRY PLANTS.** Senator Dunlap, 250-\$1.00; 500-\$1.75; 1,000 \$3.00. State inspected. Postpaid. H. Thale, Durham, Mo.

**BLUE RIBBON SUDAN, TEST 97.5%, \$6.50** per cwt. Black Hull Kafir, test 100%, \$1.50 per bushel. Samples. G. C. Blakely, Preston, Kan.

**CERTIFIED COMMERCIAL WHITE AND** Pride of Saline corn and Blackhull White and Sunrise Kafir. C. C. Cunningham, Eldorado, Kan.

**CERTIFIED STANDARD BLACK HULL** Kafir seed, germination 98%, \$2.00 per bushel. Free from smut. H. H. Krichner, Oaage City, Kan.

**CERTIFIED KANSAS SUNFLOWER,** Freed's White Dent seed corn, \$2.50 and \$3.00. Yellow Soy beans. J. J. Rudolph, Wakefield, Kan.

**SEED CORN: GRADED \$1.75. REID'S YEL-** low, Shawnee White, Calico Early Learning, Pride of Saline. Elmbrook Farms, Grantville, Kan.

**FROST PROOF CABBAGE, ONION, PEP-** per, egg, sweet potato, tomato plants, 50c-100c; 500-\$1.25; 1000-\$2.25 postpaid. James Wiltse, Rulo, Neb.

**BOONE COUNTY AND COMMERCIAL** White Seed Corn. Ames Amber Sorghum seed, greatest sorghum known. W. R. Huston, Americus, Kan.

**GERMAN MILLET \$2.00 PER BUSHEL;** Kansas Orange Cane \$1.00 bushel; Sudan \$5.00 hundred, all recleaned. V. M. Ravenscroft, Kingman, Kan.

**CERTIFIED KANSAS ORANGE CANE** Seed, field and bin inspected, 94% germination. Recleaned, sacked, treated for smut if desired 5c. In 100 pound lots and less, 4c. for larger orders. Maynard W. Scott, Rozel, Kan.

## SEEDS, PLANTS AND NURSERY STOCK

**NANCY HALL, PORTO RICO, SOUTHERN** Queen, Red Bermuda slips, 100-45c; 500-\$1.75; 1000-\$3.00. Postpaid. Kunhulwee Plant Ranch, Wagoner, Okla.

**SEED CORN—BOONE COUNTY WHITE,** \$2.00 per bushel. This strain developed for 25 years on our farm. Brune Brothers, Route 5, Lawrence, Kan.

**CANNA BED: NINETEEN BEAUTIFUL** flowering Cannas for dollar. List free. Twenty varieties Cannas, all colors. Wm. Jordan, Baldwin Park, Calif.

**SEED CORN: PRIDE OF SALINE, CER-** tified, and Johnson County White, \$2.25 bushel. Wilson's Soy Beans \$3.00; Feterita 5c lb. G. Fink, Redfield, Kan.

**FANCY SUDAN 5c, FIVE HUNDRED** lbs. 4 1/2c; Millet \$1.25, 5 bushel lots \$1.10; cane \$1.00. Other seeds in proportion. Voss Grain & Seed Co., Downs, Kan.

**REID'S YELLOW DENT, HAND PICKED,** \$2.25 bushel; Kansas Orange cane \$1.25 bushel, sacked, F. O. B. Topeka. Joseph Krasney, Route 28, Topeka, Kan.

**SEED CORN: PRIDE OF SALINE, WHITE** Cap Butcher and Big Calico. Hand picked, nubbed, shelled, graded; \$2.25 per bu. Ivan Whitcraft, Route 1, Whiting, Kan.

**NANCY HALL POTATO PLANTS, DELIV-** ered \$3 thousand. Leading varieties Toma-to plants same price. No order too large for us to fill. W. E. Rose, Rogers, Ark.

**ALFALFA \$8; SWEET CLOVER 7c; SU-** dan \$4; Soy Beans \$3.50; Cow Peas \$5 per bushel up. Seed Corn, 11 kinds, hand picked, \$3. bushel. James Wiltse, Rulo, Neb.

**PRIDE OF SALINE SEED CORN, PURE,** from Agricultural College stock; four bushels or more \$2.50 per bushel; smaller amounts, \$3.00. Edward J. Abell, Riley, Kan.

**CABBAGE OR TOMATO PLANTS: LARGE** stalky, all varieties; 300-75c; 500-\$1.00; 1000-\$1.75; Bermuda Onion plants, 500-85c; 1000-\$1.50. Postpaid. Culver Plant Co., Mt. Pleasant, Tex.

**FARMERS! SPECIAL SPRING SALE BEST** White Sweet Clover. Sow on oats or dam-aged wheat up to alfalfa sowing time. This is your chance. Prompt shipment. John Lewis, Virgil, Kan.

**\$1. PLANT COLLECTION—DELIVERED** prepaid. 50 Cabbage, 50 Tomato, 10 Sweet Pepper, 5 Eggplant. Free catalogue, flower, vegetable, vine, bulb plants. Weaver Gar-dens, Wichita, Kan.

**150 DUNLAP STRAWBERRY PLANTS.** \$1.00; 150 Aroma Strawberry plants, \$1.00; 100 Asparagus plants, \$1.00; 20 Rhubarb plants \$1.00, by mail prepaid. Albert Pine, Route 6, Lawrence, Kan.

**RHUBARB—MAMMOTH 1-YR. WHOLE** roots, 20-\$1.00; Giant Crimson 3-year divi-sions, 8-\$1.00; Asparagus Roots, 50-\$1.00; delivered prepaid anywhere. Weaver Gar-dens, Wichita, Kan.

**SEED CORN OF THE VERY BEST VAR-** ieties. Butted, tipped and graded; \$2.50 per bushel for less than 5 bushel, and \$2.40 per bushel for 5 bushel or more. E. B. Newell, Rt. 3, Manhattan, Kan.

**TWENTY MILLION FROST PROOF CAB-** bage and Onion plants, \$1.35 per 1000, 5000 \$5.00. Tomato plants same price. Farms in Alabama and Georgia. Catalog free. Clark Plant Co., Thomasville, Ga.

**STRAWBERRIES—DUNLAP PLANTS** state inspected. Healthy, well rooted plants. Mail or express, carefully packed, prepaid. 60c hundred, \$4.50 thousand. H. R. Blanchard, Rt. 6, North Topeka, Kan.

**SEEDS—"KANSAS" ALFALFA, \$7.00 AND** \$9.50 bushel, sweet clovers, red clover, Alsike, timothy, sudan, cane, kafir, millets, seed corn, soy beans, cow peas. Bags free. Send for samples. Solomon Seed Co., Solo-mon, Kan.

**FOR SALE: BIENNIAL WHITE BLOSSOM** Sweet Clover seed, scarified. This seed is all last year's growth and was raised on our own farms and we guarantee its purity 95% germination. Bowersock Mills & Power Co., Lawrence, Kan.

**DODGE'S FAMOUS RIO GRANDE VAL-** ley Bermuda Onion plants produce the finest of mature Bermuda Onions. Large open field grown plants, 5,000-\$1.25; 1,000-\$2.00, prepaid. Satisfaction guaranteed. Dodge Plant Farms, Raymondville, Texas.

**PLANTS—IMMEDIATE SHIPMENT: WE** pay postage. Buy them close to home. Frost Proof Cabbage: 100, 40c; 200, 70c;



## RHODE ISLANDS—Eggs

FIVE PENS S. C. REDS HEADED BY Tompkins & Daniels males, \$1.50, \$2.50, \$3.50-15. Dock Longabaugh, Halifax, Kan.

## TURKEY—Eggs

LARGE WHITE HOLLAND EGGS, \$4.50 dozen. Wanda Enke, Green, Kan.

EGGS FROM MAMMOTH BLACK TURKEYS 11-14.50. Frank Draper, Cedar, Kan.

PURE WHITE HOLLAND TURKEY EGGS, large type, 30c each. Mrs. Will Hopwood, Abilene, Kan.

PURE BRED NARRAGANSETT TURKEY eggs, \$5 for twelve. Postpaid. John P. Franke, Herndon, Kan.

PURE BRED BOURBON RED TURKEY eggs, 35 cents each, postpaid. M. M. Noonan, Greenleaf, Kan.

TURKEY EGGS: BRONZE, BIRD BROS., Goldbanks direct, 10-17.50; 20, \$14.00. Mrs. Iver Christensen, Jamestown, Kan.

MAMMOTH WHITE HOLLANDS, HEAVY pink legs. Eggs \$4.00 dozen. No black-head. Dot Wheatcroft, Pendennis, Kan.

MAMMOTH BRONZE TURKEY EGGS from large healthy selected stock, range bred, 50c each. J. L. Burnett, Quinter, Kan.

MAMMOTH BRONZE TURKEY EGGS, from prize winning stock. Book your orders now. George Briggs & Sons, Protection, Kan.

EXTRA LARGE, DEEP BREASTED, DARK Red, pure white markings. Bourbon Turkeys. Eleven eggs \$4.50 postpaid. Walter Baird, Lake City, Kan.

EGGS FROM HARLOW'S FAMOUS FLOCK of Bourbon Red Turkeys. Money makers. 30c each prepaid. Harlow's Bourbon Red Turkey Ranch, Satanta, Kan.

## WYANDOTTES

COLUMBIA WYANDOTTE CHICKS AND eggs. Mrs. A. B. MacLuskey, Burlington, Kan.

"BEAUTIFUL" SILVER WYANDOTTES. Males \$3.00 up. Females, eggs. Mrs. Edwin Shuff, Plevna, Kan.

PURE BRED SILVER LACED WYANDOTTE chicks, 14c postpaid, 100% delivery. Mabel Young, Wakefield, Kan.

WHITE WYANDOTTE EGGS: BABY chicks; 285 egg record. Mating list. Mrs. A. J. Higgins, Effingham, Kan.

## WYANDOTTES—Eggs

REGAL DORCAS WHITE WYANDOTTE \$6.00-100. Mrs. Tom Moore, Hays, Kan.

ROSE COMB BUFF WYANDOTTE EGGS: 75c-15; \$4.50-100. Paul Schmanke, Alma, Kan.

PURE COLUMBIAN WYANDOTTE EGGS. 15-11.25; 100-\$6.00, prepaid. H. Glantz, Bison, Kan.

PURE WHITE WYANDOTTE EGGS, Martin strain, \$5.00-100. Mrs. Will Hollis, Holton, Kan.

SILVER LACED WYANDOTTE EGGS, \$5.50 per hundred, prepaid. Mrs. J. Evelergh, Ulysses, Kan.

SKALICKY SILVER WYANDOTTE EGGS. Heavy layers, state winners. Fred Skalicky, Wilson, Kan.

PURE BRED ROSE COMB WHITE WYANDOTTE eggs, \$5.00 hundred. Mrs. Buzz Simpson, Sparks, Kan.

SILVER WYANDOTTE EGGS, HEAVY layers, \$5.00-112; not prepaid. Mrs. Robert Bishop, Potter, Kan.

REGAL DORCAS WHITE WYANDOTTE prize winners, \$4.50-100, prepaid. Mrs. Harry Barnes, Marion, Kan.

MARTIN'S WHITE WYANDOTTE EGGS heavy layers, \$5.00 per 100, prepaid. Mrs. John Montgomery, Holton, Kan.

KELLER STRAIN WHITE WYANDOTTE Eggs, farm range, \$6.00 per hundred. Sadie Springer, Manhattan, Kan.

PRIZE PARTRIDGE WYANDOTTES. Three firsts Hutchinson. Eggs \$6.-100, prepaid. Wm. Hebbard, Milan, Kan.

WHITE WYANDOTTE EGGS, KELLER and Barron's English strains direct: \$6 per 100. Mrs. H. Taylor, Alma, Kan.

PURE SILVER WYANDOTTES, EXTRA large Tarbox strain. Eggs \$6.00 hundred, prepaid. Martha Greenwood, Clifton, Kan.

MARTIN'S REGAL DORCAS STRAIN direct from prize winners. Eggs \$5.00 per 100 delivered. Phillip Stenzel, Marion, Kan.

## WYANDOTTES—Eggs

WHITE WYANDOTTE EGGS \$5.00 HUNDRED. Mrs. Ed Roepke, Waterville, Kan.

WHITE WYANDOTTE EGGS, \$6.00 HUNDRED. Headed by cockerels from 280 egg strain. Martin, David Keller, Chase, Kan.

WHITE WYANDOTTES, MARTIN'S HEAVY laying and prize winning strain. Eggs \$6.00 per hundred. J. T. Nelson, Blair, Neb.

BLUE RIBBON BUFF WYANDOTTE. Eggs from State Fair winners, \$4.00-50; \$1.75 15. Prepaid. Raymond Rystrom, Stromsburg, Neb.

WHITE WYANDOTTE EGGS FROM STATE certified, prize winning stock, Martin direct: \$5.00-100. Mrs. O. Richards, Beverly, Kan.

REGAL DORCAS WHITE WYANDOTTE eggs. Winter layers. Pen \$2.00-15; range eggs \$4.50-100 prepaid. Mrs. Geo. Edman, Lewis, Kan.

WHITE WYANDOTTE REGAL DORCAS eggs, \$4.50 per hundred prepaid. Bred for heavy egg production. Mrs. Ethel Donovan, Lewis, Kan.

WHITE WYANDOTTES, MARTIN-KEELER strains. Eggs 100-\$6.00; 50-\$3.50. Safe delivery and satisfaction guaranteed. Garland Johnson, Mound City, Kan.

BARRON'S WHITE WYANDOTTES. World's greatest laying strain. 15 eggs, \$2.00; 100, \$8.50, prepaid. Guarantee 60% hatch. H. A. Dressler, Lebo, Kan.

STATE ACCREDITED FLOCK HIGH PRODUCING White Wyandottes, Eggs \$5.00-100; \$9.00-200. Fertility and satisfaction guaranteed. Mrs. Flo Stover, Fredonia, Kan.

REGAL DORCAS WHITE WYANDOTTE eggs. Culled for quality and heavy production by licensed judge. \$4.50-100, prepaid. Satisfaction guaranteed. Mrs. Cora Butler, Lewis, Kan.

PURE WHITE WYANDOTTE EGGS; utility flock, heavy laying strain. Baby chicks 15 cents; eggs, 100-\$6.00; 50-\$3.50; setting \$1.50, prepaid. Mrs. O. O. Miller, Osawatomie, Kan., Route 1.

WHITE WYANDOTTES DIRECT FROM Martin-Keelers prize winners record layers. Range eggs, \$6.00-100; pens \$3.00 setting. H. O. Collins, Pontana, Kan.

WHITE WYANDOTTE, REGAL DORCAS strain, specially culled for quality and heavy laying. Satisfaction guaranteed. Prepaid. \$1.50-15, \$3.50-50, \$6.00-100. G. F. Friesen, Cottonwood Grove Farm, Hillsboro, Kan.

## SEVERAL VARIETIES

HATCHING EGGS, JERSEY BLACK GIANT, Single Comb Red, Golden Seabright Bantams. Free descriptive folder. Sibley's Poultry Farm, Lawrence, Kan.

## POULTRY PRODUCTS WANTED

BROILERS, HENS, ACTIVE DEMAND. High prices ruling. The Copes, Topeka.

SHIP US YOUR POULTRY AND EGGS. We pay more for quality grades. The Quality Produce Co., 200 Kansas Avenue, Topeka, Kan.

PREMIUM PRICES PAID FOR SELECT market eggs and poultry. Get our quotations now. Premium Poultry Products Company, Topeka.

SPRINGS AND BROILERS BY KANSAS City's highest buyer. 2c over top Kansas City daily market. Top on eggs. We furnish coops. Return cases and coops free. John L. Clark Produce Co., 809 East 31st Street, Kansas City, Mo.

## Where Our Money Goes

In an analysis of the dollar spent by the Federal Government in its various items, Commerce and Finance remarks that "for those items arising out of past wars, or to maintain establishments for the present and future defense of the country, Uncle Sam hands over \$82.41 out of every \$100 he takes from the taxpayers. That is a pretty high figure, but perhaps war and its evils will be abolished in the near future and this amount be used for peaceful purposes."

A great deal might be done for peaceful purposes and general happiness with 82 per cent of the federal budget, or about 3 billion dollars a year. But what would suit the country better would be to see 82 per cent of federal taxes cut off, and let the taxpayer use his own judgment in spending the money, even tho he spent it for more motor cars, moving pictures, blue-sky investments and so on.

The largest item in the federal budget this year is interest on the public debt. It amounts to more than 28 cents out of every dollar spent, and exceeds the next three highest items combined. Then there is retirement of the public debt itself, which comes to 13½ cents of the dollar spent for all purposes. These two public debt charges combined make the annual charge for the national debt nearly 42 cents out of Uncle Sam's dollar. The next largest item is the War Department, a little over 10 cents, followed by the Navy's 9½ cents. Compared with these figures the Executive Department's 1 cent looks small, or even the expense for Congress (before the salary hike) of 1-1-5 cent, while the one-fifth of a cent for national prohibition enforcement and the narcotic laws is far from being the important public burden that the opponents of prohibition sometimes make out.

The great costs of government are still army and navy and public debt and hang-over expenses of past wars. But for war the United States would never have a dollar of public debt.

## Then the Water Flows

BY H. A. WRIGHT

One of the outstanding improvements on the agronomy farm of the Kansas State Agricultural College is an automatic water pressure system. It has just been installed, and is characteristic of a large number of farm water systems where automatically controlled power is available.

No improvement can be bought which will contribute more toward making the farm home a more pleasant place to live than a good method of supplying running water. In the modern farm house running water is essential, as the use of plumbing systems, sewage disposal, and an efficient laundry depend on a constant water supply. Aside from the house, water should be available in the barns, feeding lots, garage, lawn and garden. After a water system is once installed it requires little attention.

There are two general classes of water systems used on farms. These are the gravity system, in which an elevated tank is used, and the pressure system. The pressure system consists of a steel tank, pressure pump or air compressor, power for pumping, and the piping system. The two kinds of pressure systems most commonly used are the hydro-pneumatic, which stores air and water in the same tank, and the pneumatic system, which stores compressed air only.

The system used on the agronomy farm is of the hydro-pneumatic type. The pumping capacity of this pressure system is about 250 gallons an hour. The steel hydro-pneumatic storage tank is placed in the basement of the house. The size of the tank is 36 inches in diameter by 10 feet long. It is filled about two-thirds full of water and one-third full of air under pressure. The compression of the air in the tank forces the water thru the pipes and out of the faucets when they are opened. An automatic electric pump maintains the pressure within the tank between the limits of 20 and 40 pounds a square inch. When the pressure drops to 20 pounds the pump starts filling the tank with water and air. When the pressure becomes 40 pounds the pump automatically stops.

The well is 130 feet from the house, and is 80 feet deep. The water surface is about 30 feet below the pump. A pit 5 feet 4 inches deep is dug over the well, and the pump and motor are placed in this pit, so they are below the frost line. The pump is protected by the attractive shelter. An electric motor drives the water pump and the air pump, and all three are attached together, forming one compact piece of machinery.

Air and water are pumped at the same time, so they are kept in the right proportion in the tank. All pipes and other equipment are below the frost line or otherwise protected from freezing. While water is stored in the tank, fresh water may be had at any time by putting a fresh water attachment on the pump.

The agronomy farm gets electrical power from a high voltage line which comes from the college power plant. An electric motor may be had which will run on the electricity produced for farm use by a small electric lighting plant. This makes it possible for a farmer to have all the advantages of the automatic electric pump system even tho he may not be near a high-voltage electric power line.

## Sent 'Em a Sample

Sir Henry Robinson's recent book of Irish memories includes the following yarn of the days when the author was vice president of the local government board for Ireland. Robinson had been entertained by an old priest, who, finding his larder low, evidently had prepared with his own hands an enormous pancake, an inch thick, and simmering with grease.

Sir Henry knew his digestion was not equal to it, and like the resourceful man he was, dodged the issue by slipping it into a pocket containing one of two leather bags, and of course into the wrong bag, at that. Having duly mailed the pancake at the village postoffice, Sir Henry looked about for a convenient ditch. He says:

"I found a large bog-hole in the heather. I went back to the house for the bag, and to my horror I found the bag was full of papers. I had kept the wrong bag, and the pancake had gone up to the local government board without a word of explanation! The contents of each pouch returned by inspectors are noted in the registry, and in a somewhat irascible minute I was requested, for the purpose of registration, to state what precisely the contents of my pouch No. 2 were, and for what purpose they were transmitted to the board. I did not wish to give away my carelessness, so headed my reply 'Failure of the Potato Crop.' 'Sample of Food Consumed by Small Farmers in the West.'"

## Tells of Farm Plumbing

Where can I get some help on installing a system of plumbing in my farm home? Douglas County. A. E. R.

You can get Farmers' Bulletin No. 1,426, Farm Plumbing, from the United States Department of Agriculture, Washington, D. C. It also will pay for you to write to W. G. Ward, extension engineer, K. S. A. C., Manhattan.

## 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.

All men are born equal, but some of them outgrow it.

## 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 for 10 words

Count initials or abbreviations as words and your name and address as part of advertisement

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Use this form for all Classified Advertising, including Poultry, Livestock, Real Estate and miscellaneous headings



## On Taming the Tornado

C. L. Mitchell, forecaster of the United States Weather Bureau at Washington, says "the tornado will never be understood or investigated to the point where science can actually forecast its beginning or its path."

There is an older authority on this subject than Mr. Mitchell, and one whose early judgment has been confirmed by 2,000 years of human experience and observation. He put it this way: "The wind bloweth where it listeth, and thou hearest the sound thereof, but canst not tell whence it cometh and whither it goeth."

The catastrophe in the Mississippi Valley recently has provoked a lot of cyclone philosophy in the editorial columns of newspapers, most unique among which is William Allen White's prediction that within 50 years man will discover the cyclone germ and be able to precipitate it.

"The wanton and festive cyclone has roamed these Mississippi plains for thousands of years," says the Emporia editor. "It has done little damage, chiefly because there was little damage to do. It tipped over a tepee or two when the Indians came in the course of a day's work, and when the pioneers arrived, the cyclone jaunting across the wilderness found only a few settlers' cabins and their inhabitants to pick upon. So the death list was small."

"But now every 6 miles in every direction is some kind of a town, from the Alleghenies to the Rockies, in all the cyclone area from Texas to Michigan. And the towns vary in size. They run from villages of a few hundred population to towns of 100,000. And when the population mounts, the danger of a cyclone multiplies by every score of people. As the Mississippi Valley settles up, the spring will be a time of terror. What the earthquake is to the Pacific coast, what social diseases are to congested cities, what anarchy is to orderly government the cyclone will be to the Mississippi Valley when it is a little more thickly settled."

"But in 50 years man will discover the cyclone germ, in some atomic disturbance; and then the cyclone will disappear. Everything on this earth will finally become the servant of man—all natural forces."

## A Road 11,905 Miles Long

The Santa Fe Railroad System Companies operate 11,905 miles of railroad, of which 11,711 miles are owned by Santa Fe System companies. In addition the Atchison Company owns one-half of the capital stock of the Northwestern Pacific Railroad Company, which owns and operates 518 miles of railroad, and one-half of the capital stock of the Sunset Railway Company, which owns 50 miles of railroad. The Santa Fe System companies also own 1,408 miles of second main track, 24 miles of third main track, and 6 miles of fourth main track, and 4,623 miles of yard tracks and sidings. The mileage owned is in 11 states, the miles of main track in each state being: Illinois, 282; Iowa, 20; Missouri, 270; Kansas, 3,050; Oklahoma, 1,215; Texas, 2,583; Louisiana, 64; Colorado, 507; New Mexico, 1,418; Arizona, 868; California, 1,434; total, 11,711.

On December 31, 1924, the outstanding capital stock of The Atchison, Topeka and Santa Fe Railway Company was 3,565,823 shares of the par value of \$100 each, aggregating \$356,582,300, of which 2,324,095 shares are common stock paying dividends at the rate of \$7 per share per annum, and 1,241,728 are preferred stock paying dividends at the rate of \$5 per share per annum. The total funded debt of Santa Fe System Lines outstanding in the hands of the public on December 31, 1924, was \$275,933,158. The total capitalization, including common and preferred stock and funded debt, was \$632,515,458.

Investment in Road and Equipment December 31, 1924, was \$920,467,963.

## More Farmers Filed Returns

The largest income taxpayer in Kansas is the Atchison, Topeka and Santa Fe Railroad, which will pay \$5,780,000 this year. The Prairie Pipe Line Company is second, with a tax of about 4 million dollars. A much larger proportion of farmers are represented

## The Real Estate Market Place

### RATE

For Real Estate Advertising on This Page  
50c a line per issue

There are 7 other Copper Publications that reach over 2,084,000 families which are also widely used for real estate advertising. Write for special Real Estate advertising rates on these papers. Special discount given when used in combination.

## Special Notice

All advertising copy discontinued or changed must reach this office by 10 o'clock Saturday morning, one week in advance of publication.

### REAL ESTATE

**ATTENTION, Farm Buyers, anywhere. Deal direct with owners. List of farm bargains free. E. Gross, North Topeka, Kan.**

**OWN A FARM** in Minnesota, Dakota, Montana, Idaho, Washington or Oregon. Crop payment or easy terms. Free literature; mention state. H. W. Byerly, 81 Northern Pacific Ry., St. Paul, Minnesota.

**ZONE OF PLENTY** book free describing opportunities for homeseekers and investors in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon along the Great Northern Railway. Low round-trip homeseeker's fares every Tuesday. E. C. Leedy, 708 Great Northern Bldg., Dept. G. St. Paul, Minn.

### OWN YOUR HOME

Fine section wheat land in Haskell county Kansas, part in wheat. Also sixteen hundred acres good farm land in Baca Co., Colo., small improvements, some in cultivation. Above land can be sold in tracts of half sections or more. Prices right, small payment down, balance crop payments. Deal with owner. G. G. Rallsback, Langdon, Kan.

## Farm and 12 A. Orchard \$3850 4 Horses, 15 Cattle and

150 poultry, farm implements, corn, hay, fodder included; close High School village, good markets, 75 acres for money-making crops, spring water, wire fences, valuable wood; 6 room house, valley view, good barn, etc. Owner's other interests force low price \$3,850, part cash. Details page 180 new 196 page catalog farm bargains throughout 24 states. Free. Strout Farm Agency, 831 G. P., New York Life Bldg., Kansas City, Mo.

**320 ACRES** fine improvements adjoining Haigler, Neb., on the east, fine nine room house, large barn, good hog and chicken house, cellar, garage and other out buildings, well and windmill and large cement supply tank, all in fine state cultivation, except 40 acres, which is used for pasture. All fenced and cross fenced. This is one of the nicest farms in western Nebraska and is only 1/2 mile from center of Haigler, a fine little business town. Choice corn and hog farm \$75.00 per acre, good terms.

**400 ACRES**, seven miles northwest Leoti, Kan., Co. seat, Wichita Co., on main line Mo. Pacific R. R. land perfectly level, raw, good soil and plenty good water. This is a fine tract of land and well located. \$25.00 per acre, good terms.

**640 ACRES** southeast Leoti about 20 miles, in a fine improved part of county. German Lutheran neighborhood. Well improved, part in cultivation. Fenced, all perfectly level, good soil and water. This is a fine place and priced at \$25.00 per acre. Good terms.

**160 ACRES**, near Leoti, all perfectly level, good soil and water. Owner will take large new car in as part payment. Seventy fine tractor breaking sod, wheat in fine condition. Land prices rapidly advancing. Have tracts in any size from 160 acres up at from \$17.50 to \$35.00 per acre. Have some choice farms can sell on crop payment plan with small cash payment. Write me what you want.

F. G. Jones, Leoti, Kansas

this year than usual, in the 80,000 returns filed in Kansas.

## Barium Carbonate For Rats

What is the best rat poison? H. Haas, Lehigh, Kan.

Mix barium carbonate with hamburger steak at the rate of 1 part to 4 parts of meat. See that it is mixed thoroly, and put the mixture in small paper bags; these should be placed where they are accessible to the rats. K. S. A. C. A. E. Oman.

## Magazine Prices Reduced

You can save money on all magazines by writing us for special club prices. Just make up a club of your own and ask for our special rate. Address Kansas Farmer and Mail & Breeze, Topeka, Kansas.

## Jardine Returns May 9

W. M. Jardine, Secretary of Agriculture, will deliver an address in Manhattan May 9 before the Association of Operative Millers.

## Hogs Averaged 236 Pounds

The average weight of the hogs sold on the St. Joseph market in March was 236 pounds, as compared to 243 pounds a year ago.

## 88 Per Cent Test

At the recent National Seed Corn Show, held under the auspices of the Sears-Roebuck Agricultural Foundation at Chicago, Kansas corn tested 88 per cent, the highest of any state.

**Pay No Advance Fee** Don't give option or tie up real estate for any kind of contract without first knowing how you are dealing with are absolutely honorable, responsible and reliable.

### KANSAS

**SELL** on crop payment plan. Pay 1/2 crop \$29 acre. Fine crops. Ely, Garden City, Kan.

**115 ACRES**, new improvements, near Ottawa. J. E. Booze, Ottawa, Kan.

**IMPROVED 80 ACRES** by owner, D. A. Turner, Osage City, Kan., R. 4.

**200 ACRE** corn farm near Topeka, fine buildings. Big snap at \$75 per acre. Other bargains. List Free. Fuller Co., Wichita, Kan.

**BARGAINS** in Hamilton Co., Kan. Wheat Farm. Also big department store and grain elevator. Write Owner W. O. Eaton, Torrington, Wyo.

**IMMEDIATE** possession. Highly improved 400 A. farm. Two sets improvements. Bargain price. Mansfield Brothers, Ottawa, Kan.

**BEST RICH** wheat land \$18 to \$40 acre, terms, act quick. Ely, Garden City, Kan.

**FARMS** in Catholic neighborhood, good church, free accredited High School. W. Graves, St. Paul, Kan.

**320 ACRES** smooth land all in wheat in Gove Co. Looks fine. 5 miles from town. \$45.00 per A. if sold soon. By Owner, Box 161, Wilson, Kan.

**320 ACRES** of level wheat land, 250 acres in wheat of which one-fourth goes, balance in corn and barley. Price \$20.00 per acre. R. H. West, Oakley, Kan.

**FOR SALE**—Choice level section of land, extra well improved, 400 acres in cultivation, 360 acres in wheat, wheat prospects perfect. Four miles from town. This is \$40.00 per acre and the best buy in Thomas County. R. H. West, Oakley, Kan.

**SHERIFF'S SALE**—The Zeigenfuss Ranch, 840 acres, will be sold April 20, at 2 o'clock at court house, Howard, Kan. Fine stock ranch in gas and oil fields of Elk county. Immediate possession. Cash Sale. Write A. H. Ward, Neodesha, Kan.

**CROP PAYMENTS**—I want a few reliable farmers to work my Kansas and Colorado land. Have 8,000 acres in the WHEAT and CORN belt—1500 acres under cultivation—more to be broke this spring. Will RENT or SELL a few farms on part CROP PAYMENTS. Write C. E. Mitchem (Owner), Harvard, Illinois.

**160 ACRES**, about 1/2 creek bottom in cultivation, bal. good rolling pasture land. 8 room house, good large barn, second hay barn with full basement affording shed for all implements or stock; granary, corn crib, other good outbuildings, splendid well water, running water in creek, some timber. Bargain at \$11,000 possession and 1/2 wheat. V. E. Niquette, Realtor, Salina, Kansas.

## REAL HOME FARMS

**480 Ness Co.**, living water, bottom, 150 big wheat, 90 spring crops, 1/2 with sale, big henry, new granary, shade, and ideal land for fruit growing. Story and half house, stable, cattle sheds, 4 mile town, now only \$27.50 per acre, \$5500.00 cash. **480 One mile town**, better improved, living water, extra good house 7 rooms, all kinds out bldgs., large grove, fine bottoms for alfalfa, 240 wheat, 1/2 with sale, an ideal home for anyone who are growing an acre. You fellows who are growing a family did you ever stop to think that by selling that one single quarter and coming here and buying probably 3 quarters for what you can get for one farther east, that a little later on your boys will be wanting land, how are they going to get it with you holding only one quarter, think it over, sell out and let me show you land that will grow just as much as yours at 1/2 the money.

**BUXTON, RANSOM, KANSAS**  
The Farmer and Man. Other bargains in Farms and Small Ranches.

### CANADA

**FARMING IN BRITISH COLUMBIA ON** The lands adjacent to the Pacific Great Eastern Railway offers exceptional opportunity to prospective settlers. These areas are peculiarly adapted for mixed and dairy farming. Climatic conditions ideal. Crop failures unknown. Only a small portion of British Columbia is suitable for farming purposes, so a steady market is at all times assured. Schools in these districts are established by the Department of Education where there is a minimum of ten children of school age. Transportation on the line is given at half rates to intending settlers. Prices range from \$3.00 to \$10.00 per acre with sixteen years to pay. Full information on application to R. J. Wark, Dept. 143, Pacific Great Eastern Railway, Vancouver, British Columbia, Canada.

### COLORADO

**IMPROVED** Colorado ranches \$3 to \$8 acre, to close estate. S. Brown, Florence, Colo.

**10 A. IRRIG.** Fruit-Garden tracts, \$250 down, easy terms, productive soil, free booklet profits, climate, testimonials satisfied purchasers. F. R. Ross Inv. Co., Denver, Colo.

**CHOICE** improved section three miles of Eads, Colorado on highway, will consider some property in exchange. If interested write Mitchem Land Company, Galatea, Colo.

**FOR SALE**—Two choice sections wheat land only four miles from town, one good crop will pay for them, easy terms, priced right. If interested write Mitchem Land Co., Galatea, Colorado.

### ARKANSAS

**160 ACRES** \$550, some improvements, good soil. Close to market, school, etc. Write for list of farms. J. M. Doyel, Mountainburg, Ark.

### CALIFORNIA

**FARMER WANTED**—Industrious and ambitious, who can stock and equip state-approved 40-acre alfalfa and dairy farm near Fresno. Can purchase on 20-year time. Rare opportunity. Herman Janss, 1229 Transportation Bldg., Chicago, Illinois.

### FLORIDA

**I AM LOCATED** in Miami, Fla. Would be glad to correspond with non-resident land owners as to renting or selling their holdings in Florida. Chas. R. Allen, Kendon Hotel, Miami, Florida.

### MISSOURI

**POULTRY LAND** \$5 down \$5 monthly buys 40 acres Southern Mo. Price \$200. Send for list. Box 22A, Kirkwood, Mo.

**320 ACRES**, 200 A. cultivation, 160 A. rich bottom, 2 sets buildings, Price \$40 per acre, terms. Jenkins & Fent, Ava, 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 435-O, Carthage, Missouri.

### FORCED SALE

**160 Acres**, half mile off old highway, 25 miles South K. C., bluegrass, corn, wheat, clover; splendid improvements; \$100 an acre; \$3,500 cash; possession. Mansfield Land & Loan Company, 415 Bonfils Bldg., 10th and Walnut, Kansas City, Mo.

### MICHIGAN

**UNUSUAL OPPORTUNITIES** in Michigan. Free helpful official information on home markets, soils, crops, climate, certified lands, accredited dealers. Write Director Agricultural Industry, State Dept., Agriculture 14 State Bldg., Lansing, Mich.

### NEBRASKA

**3560 Acre** improved Nebraska Stock Ranch \$28,480. Easy terms. For particulars write F. R. Cline, 1759 Stout St., Denver, Colo.

**FOR SALE**—860 ACRES, improved farm, Seven miles R. R. town, wild hay land, running water, 100 acres cultivated, \$15. per acre, terms. Write for list. M. W. M. Swan, Haigler, Neb.

### NEW MEXICO

**ALFALFA AND COTTON** make money in Pecos Valley, New Mexico. All grain crops, vegetables and fruit also do well. Cotton last year made from \$100 to \$150 per acre gross. Land reasonable, easy terms. Some improved farms with buildings. Ample irrigation, long growing season, mild winters, congenial neighbors, good roads, up-to-date schools. Write C. L. Seagraves, General Colonization Agent, Santa Fe Ry. 924 Railway Exchange, Chicago, Ill.

### WISCONSIN

**FOR SALE**—80 Acre Farm. Good land, good buildings. Includes 12 milk cows, young stock, team and farm implements. Price \$8,500, \$5,000 cash. Balance easy terms. A. Edmund, Irma, Wisconsin

### WYOMING

**GOSHEN COUNTY, WYOMING**  
Better Farms and Ranches for less money. The Best of the last Great West. Write for Booklet, Box "A" 314 Community Club, Torrington, Wyo.

### REAL ESTATE LOANS

**FARM LOANS** in Eastern Kansas. 5%, 5 1/4%, and 5 1/2% and small commission. W. H. Eastman, 115 W. 6th, Topeka, Kan.

### REAL ESTATE WANTED

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

### SALE OR EXCHANGE

**TRADES EVERYWHERE**—What have you? Big list free. Bersle Agency, Eldorado, Ka.

**SALE OR TRADE** Imp. and unimp. Coffey Co. land, Phillippi & Coulter, Burlington, Ka.

**BARGAINS**—East Kan., West Mo. farms—sale or exch. Sewell Land Co., Garnett, Ka.

**IMPROVED** 160 acre Farm, near Ottawa. Will consider merchandise. Mansfield Brothers, Ottawa, Kansas

**160 ACRES** near Topeka, improved. Price \$12,000. Want land further South. Mansfield, Co., Topeka, Kansas

**GOOD DUPLEX** bringing in 6% on \$15,000, to exch. for good 160 A. Vrooman Loan & Realty Co., 820 Kansas Ave., Topeka, Kan.

**360 ACRES**, Imp. Wheat land, near oil. Price \$20,000. Want town property and back mortgage. Garrison & Garrison, Salina, Kan.

**GOOD FARMS** from 40 to 320 Acres. City property taken as part pay. Describe what you have to offer. Allen County Investment Company, Iola, Kan.

**FOR SALE TRADE OR RENT**—Three corner lots with buildings. Wagon scales, etc. Suitable feed, flour, coal, produce. In County Seat, Western Kansas. Valuation \$1500. Address 323 College St., Winfield, Ka.

**SALE OR EXCHANGE**—Drive in Gas Service Station, three lots, new four room house, full basement, electric lights, located in Boone on Kansas-Colorado Boulevard 20 miles east of Pueblo, Colo. Prefer Western Kan land. Write Owner, Box 113, Boone, Colo.



# Top Sissors Duroc Sale

50 head, 12 spring gilts bred to TOP SISSORS, Junior Champion Kansas Free Fair, 1924.

40 selected fall boars and gilts, sired by Cherry King Sensation or Stilts Cherry Model. Some of the gilts sell with a breeding service to Top Sissors.

## Emporia, Kan., Friday, April 24

This will be about the last chance to buy bred sows and fall gilts ready to breed for fall litters. The fall boars are ready for service and include many real herd boar prospects. Write for catalog, sale at farm mile north of town.

## W.A. Gladfelter, Emporia, Kan.

Col. Homer Rule, Auct. Jesse R. Johnson, Fieldman, Mail & Breeze.

### DUROC HOGS

## HOG SALE

Laptad Stock Farm's  
25th Auction  
Durocs and Polands  
Sows, Boars and Gilts  
Get a Catalog.  
Lawrence, Kan.  
Thursday, April 23

### THIRTY IMMUNE DUROC FALL BOARS

Sired by State Fair prize winners. Shipped on approval.  
F. C. CROCKER, Box M, Beatrice, Neb.

### Duroc Fall Boars

Ready for service. Sired by Orchard Sissors and Goldmaster. Also two spring yearlings. Herd headed by Goldmaster. Write me.  
E. G. HOOVER, R. F. D. 9, Wichita, Kan.

### Boys—Here is Your Chance

Reg., immune Duroc pigs, shipped on approval, and a year to pay. Write for booklet and photographs. STANTS BROS., Abilene, Kas.

### LEADING SENSATION'S BEST SON

For sale, formerly owned by McComas. Splendid breeder and priced low. Also fall boars.  
DEAN BAILEY, PRATT, KANSAS

### 400 DUROC BRED SOWS

All reg. Prize winning blood. Guaranteed in farrow. Special delivered prices on car load lots. F. C. CROCKER, Box M, Filley, Neb.

HERD BOAR CHAMPIONS  
Sires of or sired by Champions. Boars that will increase the size, quality and feeding value of your Durocs. I have them, you need them.  
G. M. Shepherd, Lyons, Kansas.

### HAMPSHIRE HOGS

### Whiteway Hampshires

Fall boars and gilts, pairs and trios not related. Priced for quick sale. Shipped on approval. F. B. WEMPE, Frankfurt, Kan.

### CHESTER WHITE HOGS

### "Chester Whites" Bred Sows

Heavy boned, large litters, fall boars \$27.50 and up. Write for circular.  
Alpha Wiemers, Dittler, Neb.

### POLAND CHINA HOGS

### Fall Boars and Gilts

Good individuals, Buster and Big Bob breeding. ROSS McMURRY, Mount Hope, Kan.

### HEREFORD CATTLE

### BEAU PLATO 1088765

For sale. Three years old. Perfect markings, good color. Drooped horns, good disposition. A proven sire. Write us or come and see him.  
A. N. TYLER & SON, Route 9, Emporia, Kan.

### GUERNSEY CATTLE

### Young Guernsey Bulls

Calves up to serviceable age. Best of breeding. Registered and transferred. Priced reasonably. E. A. SAMPLE, IOLA, KANSAS.

### Guernsey Springers For Sale

15 high grade Guernsey springing heifers. F. A. LEASURE, LA CYGNE, KANSAS

### POLLED HEREFORD CATTLE

TRUMBO'S POLLED HEREFORDS. Heifers: Coming yearlings to 3-year-olds, bred or open. Bulls: Calves to serviceable age. Herd sires: Abe G., a Polled Success and Echo Mystic, a Polled Admiral. Dams: Beau Ideal, Rex Onward, etc. W. W. Trumbo, Peabody, Kan.

## Livestock Classified Advertisements

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 permitted. Remittances must accompany orders. Minimum charge, ten words. No sale advertising carried in Live Stock classified columns.

### CATTLE

A LARGE AND OLD-ESTABLISHED HERD of Jersey cattle of the ideal dairy type, bred especially for heavy production of rich milk and cream. To produce the largest cream check from the least feed, or for family use, there is no other cow to compare with No. 1 Jersey cream cows. For sale now: young purebred Jersey cows, descendants of imported prize-winners, some bred to freshen very soon, others along later, \$70 each. Tuberculin tested. Ship cheaply crated by Express, or larger number in car by freight. Satisfaction guaranteed or money back. Fred Chandler, Route 7, Charlton, Iowa. (Direct above Kansas City.)

FOR PRACTICALLY PURE BRED HOLSTEIN or Guernsey dairy calves from heavy milkers, write Edgewood Farms, Whitewater, Wis.

REGISTERED JERSEYS, 2 YOUNG BULLS, 8 one to two yr. old heifers. Some young cows. Chas. Bradford, Perry, Kan.

REGISTERED JERSEY BULLS READY for service \$10.00. Younger ones cheaper. Chas. Long, Stockton, Kan.

FOR THE VERY BEST HOLSTEIN OR Guernsey calves, write Spreading Oak Farm, Whitewater, Wis.

REGISTERED JERSEY BULL CALVES \$25 to \$60. State age wanted. F. Scherman, Rt. 7, Topeka, Kan.

ONE REGISTERED YEARLING ABERDEEN Angus bull. N. E. Nance, Route 7, Parsons, Kan.

RED POLLED BULLS AND HEIFERS, Morrison & Son, Phillipsburg, Kan.

25 HOLSTEIN COWS, HEIFERS AND baby bulls. R. Wilcox, Lucas, Kan.

CONTAGIOUS ABORTION—PREVENTION and cure positively guaranteed. Write for folder. Sunnyside Farms, Bucktail, Neb.

### HOGS

SPOTTED POLANDS, BOARS, ALL AGES. Fall boars, Grand sire Booster King. Right kind priced right. Paramount Farms, Waterville, Kan.

POLAND CHINA BOARS AND GILTS. Last fall farrow. Write your wants. G. E. Schlessener, Hope, Kansas.

SPOTTED POLAND BOARS, BRED GILTS, weanling pigs. Wm. Meyer, Farlington, Ka.

400 DUROC BRED SOWS, F. C. CROCKER, Box M, Beatrice, Neb.

### HORSES AND JACKS

GOOD PERCHERON STALLIONS, TRIED Jacks. Red Polled Bulls for sale cheap. George Schwab, Clay Center, Nebr.

WILLIAMS BROS. BREEDERS OF MAMmoth jacks. Prices reasonable. Scott City, Kan.

### PONIES

FOR SALE MY HERD OF 12 HEAD RED and white Spotted Shetland Ponies, three solid color. Ivy Norfleet, Mound Valley, Ka.

A new motor-car is being built which can move sideways. Later, as pedestrians become more scarce, it is hoped to invent one which, like a snake, will fascinate its prey, so that they can't move.

## What the Wool Costs

When you pay \$40 or more for a suit of clothes and "cuss" the high cost of clothing, don't blame the wool producer, and accuse him of making a fortune. If he were at fault suits would cost less now than from 1850 to 1890, when a \$50 suit was unknown. And that isn't saying anything about the days of 1810 to 1815, when wool sold at \$1 to \$2 a pound, as compared to an average of 47 cents in 1924.

That's what J. F. Walker, wool marketing director of the Ohio Farm Bureau Federation, said the other day when he completed a compilation of figures on wool prices over a long period. The purchaser of clothing can largely blame himself for present clothing costs, according to Mr. Walker.

From 1850 to 1890 tailors bought their cloth by the bolt," says Mr. Walker. "Fabrics were staple, and there was little variation in style. About three kinds of suitings were made in a half dozen different colors, and people bought clothes for service and not for distinctive appearance and style."

Even with increased prices, the buyer of wool products isn't getting the wool he did back in the days when they sold for less. The use of shoddy, or reworked wool, was started following the Civil War, and grew to greater proportions every year until about four years ago. During 1924 the mill consumption of grease wools was approximately 600 million pounds. Of this amount 125 million pounds went into carpet wools. The 480 million pounds balance for clothing shrank about 50 per cent in scouring, leaving 240 million pounds, or slightly more than 2 pounds of virgin wool for every inhabitant of the country.

It takes about 7 pounds of virgin wool for a suit of man's clothing, about 5 to 6 pounds for a bed blanket, 2½ pounds for a lady's wool dress, and 4 pounds for a lady's cloak or coat. With an average of 2 pounds an inhabitant, it's fairly easy to see how great a proportion of wool products are made up in whole or part from shoddy.

"The president of one of the large textile associations of the East said recently that a raise of from 15 to 20 cents a pound in wool prices (about the increase seen last year) would mean about \$1 increase in the cost of cloth sufficient to make one suit of clothes," says Mr. Walker. "Some retailers are explaining to the trade that the tariff is responsible for increased clothing prices, but the entire tariff duty doesn't represent more than a dollar in the cost of a suit."

## Late Shorthorn Registry

Shorthorn breeders who have failed to register animals within the last two years will be given a chance to do so. A recent meeting of the board of directors of the American association authorized the registration office to accept applications for registry of all Shorthorns not more than 24 months old at the time of application, at \$2 each, provided such applications are filed between April 1 and July 1.

## Horse Essays at Royal

Here's a chance for Kansas farm youngsters to win some money. To encourage a constructive study of the economic value of the horse and mule and to develop in boys and girls the ability to observe and analyze local conditions, prizes to be awarded at the American Royal Live Stock Show are offered by the Horse Association of America, for the best three essays on the subject, "Horse and Mule Production, Use and Sale in My Home Township."

For the best essay \$25 in cash will be paid; for the second best, \$15, and for the third best, \$10. The essays will become the property of the Horse Association of America.

Only five essays may be entered from each state, and these shall be the ones judged to be the best five on the subject in each competing state; selection to be made by those in charge of the boys' and girls' club work in the respective states that may compete at the American Royal Live Stock Show.

To encourage boys and girls resident in various states to participate in the preliminary state contests, the Horse

Association of America will pay \$5 in cash to each boy or girl who contributes one of the five winning essays in each state.

Preference will be given to those essays which reveal the most comprehensive, accurate, detailed information about the actual horse and mule breeding, use and sale in the township studied; particular emphasis will be placed on the constructive character of such study and report.

Further information may be obtained, if needed, from Wayne Dinmore, Secretary of the Horse Association of America, Union Stock Yards, Chicago.

## Record in Freight Loadings

Revenue freight loadings for the first nine weeks in 1925 were the greatest for any corresponding period on record, amounting to 8,070,319 cars. This was an increase of 144,230 cars, or 1.8 per cent, over the corresponding period in 1924, and 410,131 cars, or 5.4 per cent, over the corresponding period in 1923.

## Made Lots of Heat?

Kansas mines produced 120 million bushels of bituminous coal in 1924.

## LIVESTOCK NEWS

By Jesse R. Johnson  
463 West 9th St., Wichita, Kan.

J. P. Malone, one of the Pioneer Horse and Jack breeders of Kansas, has decided to retire from the business and has announced a closing out sale to be held April 14.

Ross McMurry, Poland China breeder formerly located at Burrton, is now living at Mount Hope. He still has a good line of Poland altho his herd is small compared to what it used to be.

G. M. Shepherd Duroc breeder of Lyons, Kan., always has time to drop a line regarding the business in which he is engaged. Among other things he says, "Continue the advertisement. They are now making inquiry by long distance telephone."

E. T. Grapes, Cullison, Kan., has a good herd of registered and high grade Ayrshires and says the cream check is about the best insurance he knows of against a wheat failure. Mr. Grapes is a neighbor of the Norby boys and is a member of the Pratt-Stafford Co. bull circle.

J. P. Todd, Castleton, Kan., now has a herd of over 40 registered Jerseys. He has for several years used Sophie Tormentor bulls and now has one at the head of the herd. His cows are all descended from Register of Merit ancestry and have records made by the Reno Cow Testing Association.

A. B. Williams & Sons of Darlo, Reno county, have built up one of the best herds of registered Ayrshires to be found in the state. The foundation for this herd was bought in Ohio and for several years the best bulls to be found have been secured from leading herds. All cows in the herd have records made by the Reno Cow Testing Association.

Many farmers and breeders who attended the W. A. Gladfelter Duroc bred sow sale last February will be pleased to know that another sale is to be held this time on April 23. Mr. Gladfelter writes that Top Sissors Junior Champion of the Kansas Free Fair will be on exhibition sale day and extends a cordial welcome to everyone to come. About 40 fall boars and gilts and some bred sows have been picked out for the occasion. Those interested in better hogs can spend a day here profitably whether they want to buy or not.

The Combination sale of pure bred and high grade Percherons held at Cullison, Kan., April 1, was the biggest event of its kind that has taken place in that locality for many years. A big crowd came and a regular horse show was staged. Several spans of matched geldings were sold for good prices, some as high as \$250 per span. The young stallions sold well but no very high prices were recorded. One span of mules brought \$380. Buyers were present from some distance but the best sales were made to parties near where the sale was held.

The combination sales held at Wichita, Kan., April 2nd and 3rd were fairly well attended and very satisfactory prices realized. The demand was especially strong for Milking Shorthorns and an average of nearly \$100.00 per head was made. The heaviest buyer was J. B. Dasse of Jetmore, Kan. He topped the sale at \$177.50 buying No. 1, a mature bull. The demand was strong for Shropshire sheep, the 20 head averaging almost \$40.00 per head. The few stallions sold very well, but mares sold low. The larger Hereford bulls were in demand and sold up to \$132.50. Females did very

## CLASSIFIED ADVERTISEMENT SELLS HEREFORDS

Kansas Farmer: Regarding our classified ad on Hereford bulls will say that we sold the bulls and will thank you to cut the ad out at the earliest possible date, as we are getting too many inquiries for these bulls.—Fort Hays Experiment Station, L. C. Aicher, Supt. Breeders of Hereford cattle. Hays, Kan., March 19, 1925.



## SHORTHORN CATTLE

## Shorthorns

Scotch, Scotch Topped and Polled shorthorns, Jewell county breeders association.

Lovewell, Kan., Friday, April 17

Good useful cattle that will improve breeders' herds. 20 males, many of them polled bulls. 18 females, some of them cows with calves at side.

The sires and grandfathers of the cattle are from such noted bulls as Marshall Crown, Villager, Village Marshall, Choice Goods, Diamond Jit, X Christmas Goods, X Rose-lawn Marshall, X Intense Sultan, X Lord Brampton, etc.

Many are of show yard quality. For the sale catalog address either,

L. C. Swihart, Lovewell, Henry Leece, Formoso, Kan., or R. E. Ballard, Formoso, Sales Committee.

A. W. Thompson, Auctioneer, J. W. Johnson, Fieldman, Mail & Breeze.

## Scotch Shorthorn Bulls

Sired by Imp. Bull part of them from Imp. Cows. Reds, roans and whites. Yearlings to three years old. Good individuals. Also cows and heifers. Best of breeding.

David Wohlischlegel & Sons, Harper, Ka.

## MARK'S LODGE

Red Scotch Shorthorn Cattle Milk and Beef types. Offers foundation cows; 2 yr. old bred heifers, yearling heifers, in lots 5 or 10 head 'til April 25, 1925. Also one 18 mo. bull and 3 young bulls priced to sell. Herd bull Royal Secret 102504 and B. Redball No. 1129635. M. F. MARKS, VALLEY FALLS, KANSAS

## SHORTHORN BULLS

8 head—ready to use. Priced to sell. Reds and roans, Scotch and Scotch topped. Federal accredited herd.

DR. W. C. HARKEY, LENEXA, KANSAS

## POLLED SHORTHORN CATTLE

## Polled Shorthorns—18 yrs.

Reds, Whites and Roans.  
Beef, Milk and Butter.  
One of the greatest breeds.  
One of the Largest Herds.  
Blood lines of the most noted sires.  
Always Breeding and Show Pairs and Trios not related.  
Bulls \$60 to \$250.  
Truck delivery.  
J. C. Banbury & Sons, Pratt, Ka.



## 3 Polled Shorthorn Bulls

For sale 17 months old  
T. S. SHAW, STOCKTON, KANSAS

## HOLSTEIN CATTLE

## SHUNGAVALLEY HOLSTEINS

We are consigning a splendid six year old daughter of Walker Copia Champion to the Annual State Sale, April 15. She produced last year in the 305 Da. division 15,550 lbs. milk, 640 lbs. butter. She freshened in January and is now milking 70 lbs. milk per da. on 2 time milkings. She was rebred March 1 to Count College Cornucopia. Don't fail to see our consignment to this sale.

IRA ROMIG & SONS, STA. B, TOPEKA

## Holstein Herd For Sale

I have rented my farm land and offer for sale my registered Holsteins at private treaty from one to 38 head. 16 reg. cows, 6 heifer calves, 10 yearlings and 10 springers. Herd carries the blood of the best families. Federal accredited. Priced reasonable. Farm mile south of town.

E. H. JONES, FAIRBURY, NEBRASKA

## BRAEBURN HOLSTEINS

A few baby bulls; also cows and heifers.  
H. B. COWLES, 531 Kan. Ave., Topeka, Kan.

## JERSEY CATTLE

## Sylvia Jersey Ranch

Choice young bulls for sale, sired by SOPHIE'S TORONO 20th. out of high record dams. Inspection invited.

C. C. COLEMAN, SYLVIA, KANSAS

## BABY JERSEY BULLS

Hood Farm breeding, out of high producing dams. \$50 each reg. and transferred.

PERCY E. ILL, MT. HOPE, KANSAS.

## HORSES AND JACKS

## WANTED PERCHERON STALLION

Want to purchase for W. I. Swain Ranch, Dwight, Kansas one pure blood dapple grey Percheron stallion coming four or five years old; must be blocky and pure blood. Write, phone or wire.

FARMERS' STATE BANK, DWIGHT, KAN.

## Jacks by Kansas Chief

Three to six years old. Extra good workers. Priced right.

J. W. STORMONT, DIGHTON, KANSAS

well but younger bulls sold below their value. Ed Stunkel sold a jack for \$300. The mares sold for from \$200.00 to \$240.00. One stallion brought \$295 and one \$250.

## LIVESTOCK NEWS

By J. W. Johnson  
Capper Farm Press, Topeka, Kan.



Next Monday, April 13 is the date of the big Holstein sale at the Collins Farm Co. dairyming establishment, Sabetha, Kan.

Ira Romig & Sons, Topeka, Kan., are consignors in the state Holstein sale next Wednesday and are contributing some choice animals to the sale.

Dr. M. F. Marks, Valley Falls, Kan., is a breeder of all Red Shorthorn cattle, and has one of the largest herds of registered Shorthorns in northeast Kansas.

Next Friday is the date of the Jewell county breeders association sale of registered Shorthorns at Lovewell, Kan. They are selling about half Polls and the offering numbers about 40 head.

I have a letter from Frank Wempe, Frankfort, Kan., saying 40 gilts in his bred sow sale, two or three weeks ago averaged \$34.50. Mr. Wempe is the well known breeder of Hampshire hogs at that place.

Next Thursday, April 16 is the T. J. Sands & Sons sale of Scotch Shorthorns in the pavilion at Robinson, Kan. The offering is all of the very best of Scotch breeding. The Sands herd is one of the best known herds of Scotch cattle in the country.

The annual sale and meeting of the Holstein-Friesian association of Kansas is at Topeka, Kan., next Wednesday, April 15. The sale will be held at the fair grounds and the annual meeting and banquet at the Hotel Kansan the evening of the sale.

Jas. Linn, president of the National Ayrshire Breeders' Association and a member of the firm of Linn Bros., Manhattan, Ayrshire breeders and connected with the extension department of dairyming at the Agricultural college, is a very busy man these days.

The Morris County Jersey Cattle Breeders' Association met recently at White City to promote a cow testing association. The association is being promoted by Morris county dairymen but the Jersey breeders around White City are back of the movement. Mr. McNatt, fieldman for the American Jersey Cattle Club was at the meeting.

## LIVESTOCK NEWS

By O. Wayne Devline  
1407 Waldheim Bldg., Kansas City, Mo.

R. A. Busch, one of the live boosters of the Jackson County Jersey Breeders' Association, has announced a public sale at his farm near Independence, Mo., on May 20. Mr. Busch has bred and shown some high class cattle and has always been a live booster for the Jersey cow in this part of the state.

Just south of Kansas City, near Hickman Mills, Mo., is the L. C. Baker Shorthorn Farm. The herd numbers about 125 head of Scotch cattle, bred from selected families. The herd was shown last year at most of the leading fairs under the management of Chas. R. Garden, an experienced show man. They were always in the money. The chief herd bulls used in the herd are Supreme Commander and Omega's Master 2nd. On June 3rd, they will hold their annual spring sale.

Twenty years ago H. D. McDonald of Quitman (Nodaway County), Mo., made a small payment on 100 acres of timber land. There was not enough cleared for a building site, but Mr. McDonald cleared off a place to build a small, but comfortable house, and moved on the place with a few good Jersey cows. Today he has a fine blue grass pasture farm with house and barn, a new shop and garage. The Jersey cows have paid for all this. Mr. McDonald now has 85 head of well bred cows with R. or M. Also a U. S. Accredited herd richly bred of the Raleigh, Noble of Oaklands, Financial King and Sultana's Jersey Lad blood lines. The herd is headed by Raleigh's Daisy's Raleigh No. 190614, by Glenwells Cora's Raleigh. On May 19th, 1925, Mr. McDonald will offer part of this herd at public auction, including the herd sire, Raleigh's Daisy's Raleigh.

## Public Sales of Livestock

## Shorthorn Cattle

April 16—T. J. Sands & Sons, Robinson, Kan.  
April 17—Jewell County Shorthorn Breeders Sale at Lovewell, Kan. R. E. Ballard, Formoso, Kan., Sale Mgr.  
May 6—E. S. Dale & Sons and Ben Bird, Protection, Kan.

June 3—Frank Baker, Hickman Mills, Mo.

## Polled Shorthorn Cattle

June 6—Albert Hultine & Sons, Saronville, Neb.

## Holstein Cattle

April 13—Collins Farm, Sabetha, Kan. W. H. Mott, Sale Mgr.

April 15—Kansas State Sale, Topeka, Kan. W. H. Mott, Sale Mgr.

June 15—Bourbon County Holstein Breeders, Fort Scott, Kan. W. H. Mott, Sale Manager, Herington, Kan.

## Jersey Cattle

May 19—H. D. McDonald, Quitman, Mo.

## Poland China and Duroc Hogs

April 23—Laptad Stock Farm, Lawrence, Kan.

May 20—R. A. Busch, Independence, Mo.

## Duroc Hogs

April 23—Laptad Stock Farm, Lawrence, Kan.

April 24—W. A. Gladfelter, Emporia, Kan.

## Percheron Horses

May 26—Jos. Henry & Sons, Haveria, Kan. Henry Moorman, Solomon, Kan., Sale Manager.

## Harness and Saddle Horses

April 23-24—Chas. W. Gorrel, Marshall, Mo.

## Horses and Jacks

April 14—J. P. Malone, Lyons, Kan.

Closing Out Sale of  
Jacks and Stallions

Quitting the Business

Tuesday, April 14, at 1 o'clock sharp

At my farm 2 miles west of Lyons, Kan., on the Santa Fe Trail.

## 5 Registered Stallions—7 Registered Jacks

1 two-year-old gray Percheron Stallion,  
1 three-year-old Black Percheron Stallion. These colts are sound with heavy bone, will make ton horses.

1 five-year-old Black Percheron stallion, weighs over a ton now, sound. This is the best herd horse in Kansas.

1 Aged Black imported Percheron Ton Stallion.

1 Sorrel Morgan Stallion, weight 1200 pounds. These 2 horses are all splendid breeders. Can show colts from all of them.

7 Black Jacks with white points, 15 to 16 hands high, ages from 5 to 8 years old, 9 and 10 inch bone, thick, heavy, rugged fellows, straight legs and good feet. Four of them good enough to head any herd in America. All sired by such outstanding Jacks as General Logan and General Wolfe and others, the great show Jacks of Kentucky and Tennessee. These Jacks are all tried breeders—can show mules from all of them. This is the best breeding stock you will find anywhere.

20 head of big heavy bone mules. They run in age from 3 to 8 years old, 15½ and 16 hands high, weigh from 1100 to 1300 pounds. Two-thirds of them are Molly mules. Most of them broke and all gentle.

Parties from a distance bring 1925 bank reference, and parties desiring time, make arrangements for the same with the clerk before the sale. Come the day before and look the stock over.

Good train and bus service from all directions.

J. P. Malone, Owner, Lyons, Kansas

Auctioneers: A. C. Sauberli, Pat Keenan, E. E. Potter.

## HOLSTEIN CATTLE

## HOLSTEIN CATTLE

Ninth Kansas State Association Sale  
Holstein-Friesians

60 head from 15 good herds.  
Sale at Free Fair Grounds Pavilion

Topeka, Kan., Wednesday, April 15

Purebred cattle can now be shipped at half the regular rate over Kansas railroads.

40 cows, all young, either fresh or heavy springers, one a daughter of Walker Copia Champion with 15,500 pounds of milk and 640 pounds of butter in 10 months.

15 heifers some of them from record dams and 30 pound bulls.

5 choice bulls, ready for service, including Ira Romig & Sons junior herd sire whose sire Count College Cornucopia was first in aged bull class, Topeka, 1924.

Cattle nearly all from accredited herds.

Annual association meeting and banquet at Hotel Kansan evening of sale. All Holstein breeders invited.

\* For the sale catalog address,

W. H. Mott, Sale Mgr., Herington, Kan.

Aucts.: Jas. T. McCulloch, Boyd Newcom, C. M. Crews & Son.  
J. W. Johnson, Fieldman, Mail & Breeze

## SHORTHORN CATTLE

## SHORTHORN CATTLE

## Choice Shorthorns at Auction

All are of the very best Scotch breeding. The T. J. Sands & Sons, herd. Sale in pavilion in town.

Robinson, Kansas, Thursday, April 16

The offering is all young cattle, heifers with first or second calf at foot, two year old and yearling heifers. The sires represented are Sanquhar Marshall, Lavender Emblem, Village Flash and Aristocrat. The following desirable families are represented: Nonpareil, Clipper, Clara, Mayflower, Orange Blossom and Violet. Sanquhar Marshall (1027314), a red bull of great merit is included in the sale. Herd federal accredited.

For the sale catalog now ready, address,

T. J. SANDS & SONS, ROBINSON, KANSAS

Chas. Foster, Auctioneer, J. W. Johnson, Fieldman, Mail and Breeze. Note—Robinson is in Brown county, about 20 miles west of St. Joe and the same distance east of Hiawatha on Grand Island Railroad. Ask your R. R. agent about half of regular freight rates on pure bred cattle now in effect.

## ANGUS CATTLE

## Angus Cattle and Chester White Hogs

For sale—A young Blackbird bull ready for service. A fall boar and a few gilts by The Reaper, a son of The Giant. Reasonable prices.

JOHN COOLIDGE, GREENSBURG, KAN.

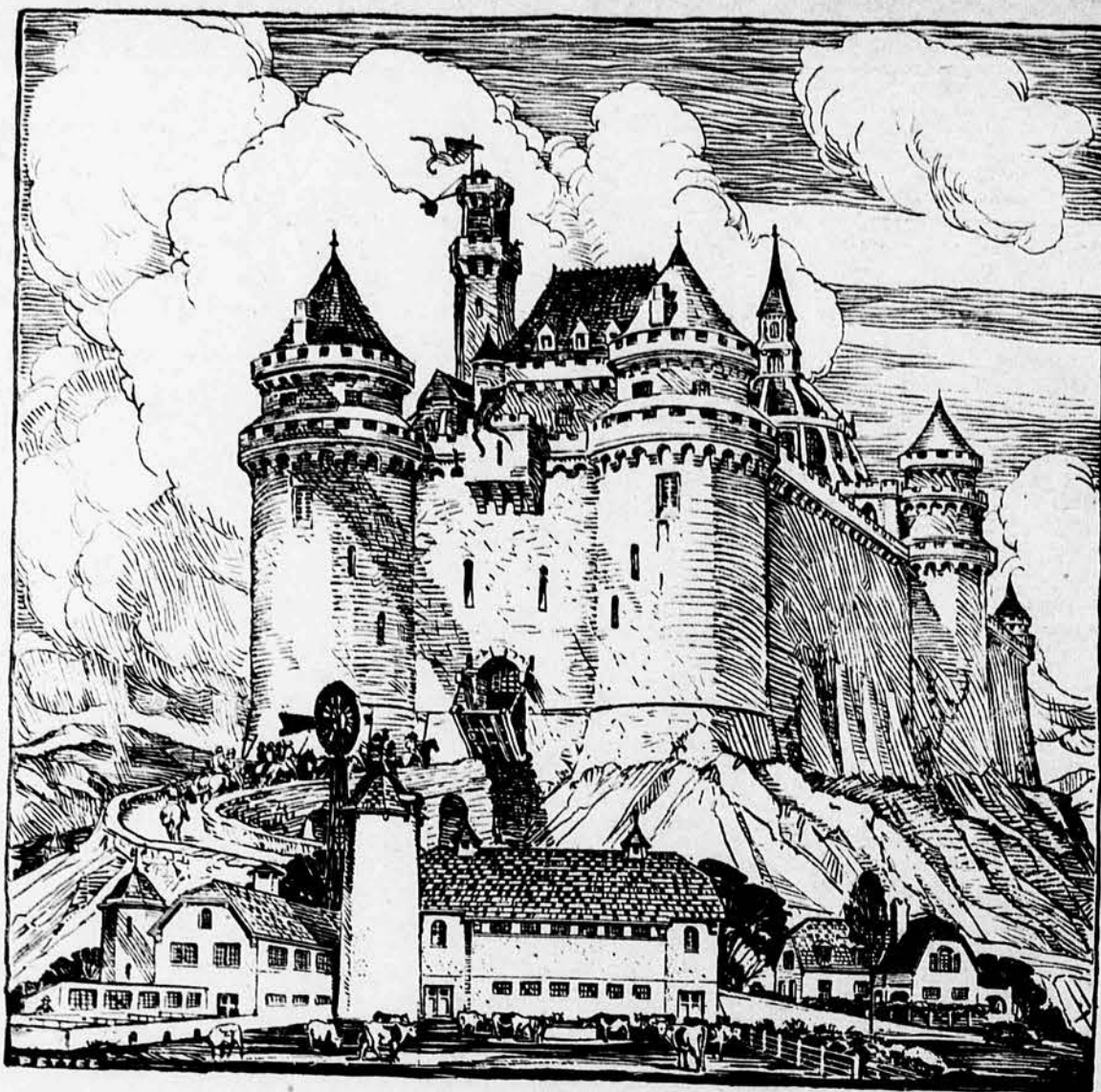
## AYRSHIRE CATTLE

## Campbell's Ayrshires

bulls of serviceable age, also cows, heifers and calves. All breeding.

ROBT. F. CAMPBELL, ATTICA, KANSAS





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- Cooling tank—to increase milk profits
- Corn crib—to keep out rats
- Dairy house—for clean handling of milk
- Dipping vat—for healthier stock
- Drain tile—to utilize more land
- Feeding floors—to fatten live stock
- Fence posts—to save money
- Floors—for economy
- Footings—to save buildings
- Foundations—for permanence
- Gate posts—for fine appearance
- Home—write for our special booklet describing convenient and attractive homes
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- Silos—to safeguard crops
- Smokehouses—for safety
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