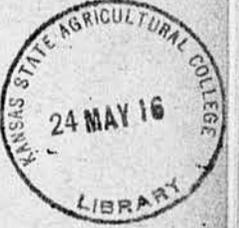


Thirty-Six Pages

May 20, 1916

# The FARMERS MAIL

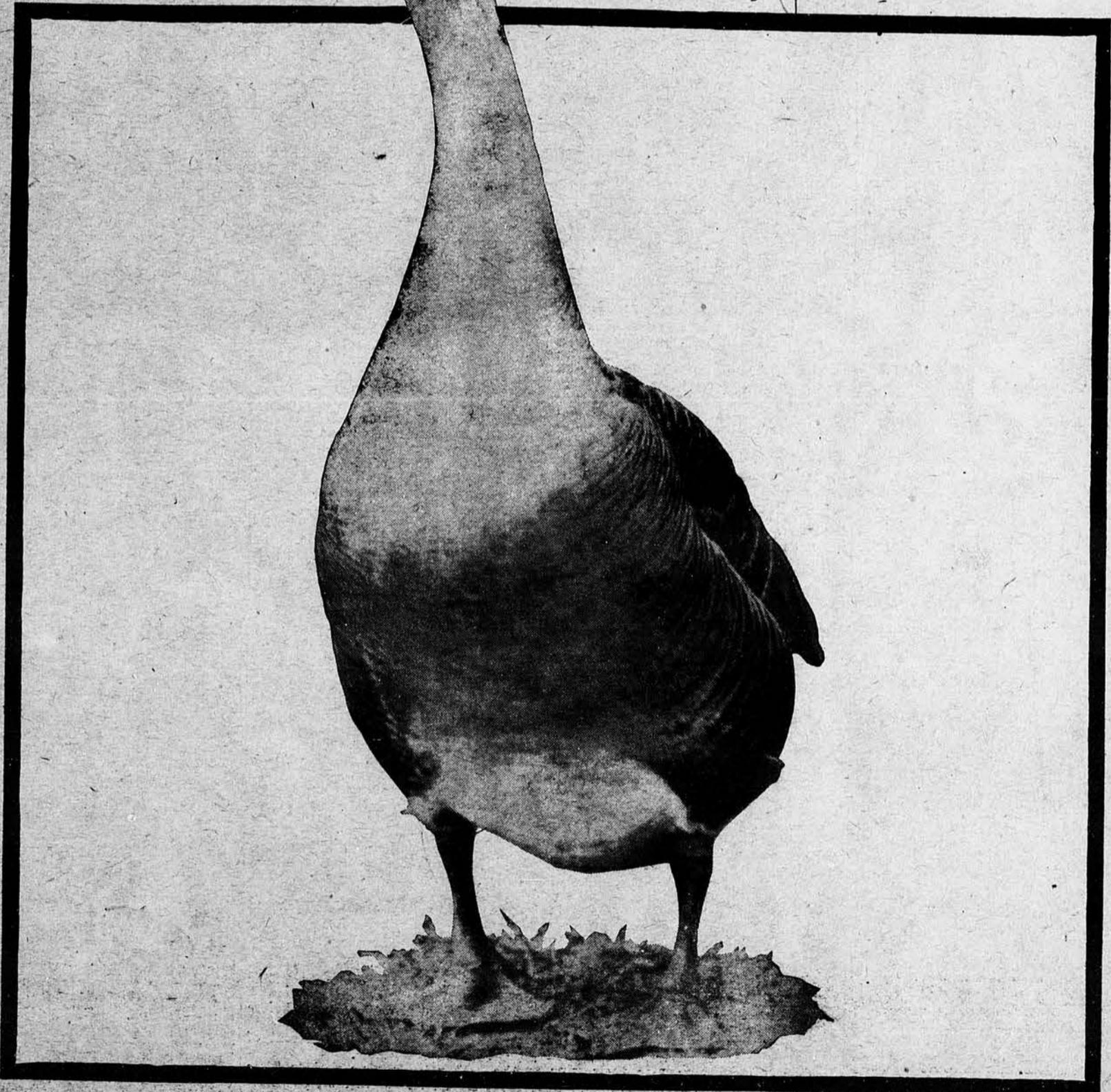


AND FREEZE

Vol. 46

No. 21

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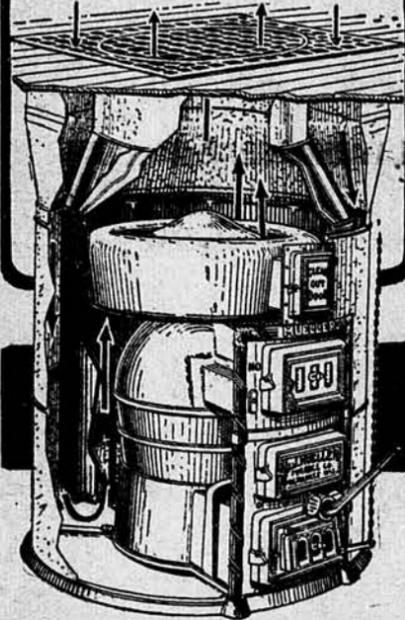
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## Sunday School Lesson Helps

BY SIDNEY W. HOLT.

Lesson for May 28: The Council at Jerusalem. Acts 15:1-35.

Golden Text: For freedom did Christ set us free. Gal. 5:1A.

At the beginning of the Christian religion many Christians wished to make it an offshoot of Judaism, tying it forever to the ceremonial law of the Jews. From the time of Abraham, circumcision meant the fulfilling of all the law. Every particular of ordinary life was ruled by religious prescription. These forms were matters of compulsion, and they were kept so busy with the letter of the law, that they could not gain much spiritually. One would think that the old order would have been glad to welcome a new way of worship, but the Jews were so firm in their belief that they were the chosen people of God, who had marked them for Himself, by this solemn rite of circumcision, that they could not, and would not accept any other teaching.

It is almost certain that at this time the number of converts were mostly among the Gentiles. Jerusalem was not an object of worship to them, and they did not think it necessary to make the required pilgrimages to the national shrine. The Gentiles believed Christianity to be from God, and that Christ's authority was higher than the law of Moses.

These certain men, who came down from Judea into Antioch had no authority from any one to teach as they did. They were false brethren, and simply used the synagogue privilege of rising and talking. What consternation they caused! No more important struggle in the history of the church, is recorded. If the dispute had been allowed to go on, it would have been fatal. The church needed its united strength and not a division.

It is always a wise procedure in any serious difference of opinion, first to get all facts from both sides. This is what the church in Antioch did in sending Paul and Barnabas up to Jerusalem to learn on whose authority these men were preaching that they must accept the law of Moses.

The council was held in 50 A. D. and James the Just, who presided, was the brother of Jesus. He had not been a sympathizer with the followers of Christ until after the resurrection, but he had been a Nazirite from birth, never eating animal food, and abstaining from strong drink. The Epistle of James was written by this Apostle. He was cruelly martyred by the Scribes and Pharisees, being thrown down from the temple pinnacle. The fall did not kill him; he was stoned and beaten to death.

Peter reminded the assembly how God had sent him to Cornelius. There had been no question in the mind of Peter, after his vision, but that all were to be considered equal, and that the old Mosaic law was just a burden. Peter thought that by insisting on the Gentiles observing the old law, that they were claiming that God had shown His approval and given His Holy Spirit to unworthy people. He reminded them how Jesus himself had broken the law on several occasions, and that it was thru the grace of the Lord Jesus Christ, and not thru outward observances that they were to be saved.

The story of Barnabas and Paul was certain to be impressive. The churches they had founded, the two miracles of Paul in the blinding of Elymas, and healing the life-long cripple at Lystra, demanded that the work among the Gentiles be continued.

The decision of James was a wise one, and characteristic of the Jew in basing his argument upon the Bible. He saw in the Gentile converts the fulfillment of the prophecy of Amos.

The Gentiles were to observe certain things. This must be done in order to make every day social life pleasant to the two races. To the Jew, blood was the seat of the soul and therefore not to be eaten. Meat offered to idols was an offense. In pagan circles rites connected with their religious worship were actually consecrated vice. The Greeks were fond of meat, that had been strangled, and sometimes, they even drank the blood poured in their wine. The meat offered to idols was sold later in the market-place, and considered a great delicacy.

In reality the things forbidden the Gentile converts were things that would

aid them in their Christian life by being let alone, and they were willing to accept these very simple observances, being familiar with the law of Moses.

The decision was put in writing and the kind message sent by Judas and Silas who would be able to bear out all that Paul and Barnabas told concerning the Church. To the distracted Christians at Antioch this letter was full of consolation and exultation. They were one people and not proselytes. The fate of the church was settled in humble dependence upon the Holy Spirit. The outgrowth of Christianity is a spirit of social democracy.

## A Large Fly Damage?

There will be considerable Hessian fly damage this year. Reports to the Farmers Mail and Breeze indicate that the pest is well distributed over the wheat belt, and that in some communities the loss will be heavy. For example J. L. Phelps of Preston says that a great deal of wheat is being plowed up in that section. George A. Dean, professor of entomology in the Kansas State Agricultural college, who as usual is keeping in very close touch with the situation, says:

"The Hessian fly has already done considerable injury in many localities of the state and no doubt will continue to injure wheat clear up to harvest time. The injury so far has not been so severe as it was a year ago and with good growing weather, I do not anticipate the injury will be as severe as on last year's crop. The injury seems to be more severe in the Southcentral part of the wheat belt, especially to the Western part, such as in Barber, Pratt and Kingman counties. There also is considerable injury in the Northwestern part of the wheat belt, especially in Ellis and Rooks counties."

The outlook in the United States is not up to the average. The crop reporting board of the Bureau of Crop Estimates, United States Department of Agriculture, makes the following estimates from reports of its correspondents and agents. The area of winter wheat to be harvested is about 32,020,000 acres, or 11.4 per cent (4,236,000 acres) less than the acreage planted last autumn, and 18.4 per cent (7,433,000 acres) less than the acreage harvested last year, which was 40,453,000 acres.

The average condition of winter wheat May 1 was 82.4, compared with 78.3 on April 1, 92.9 on May 1, 1915, and 87.5, the average for the past 10 years on May 1.

A condition of 82.4 per cent on May 1 is indicative of an acre yield of approximately 15.1 bushels, assuming average variations to prevail thereafter. On the estimated area to be harvested, 15.1 bushels an acre would produce 499,280,000 bushels, or 23.8 per cent less than in 1915, 27.1 per cent less than in 1914, and 4.6 per cent less than in 1913. The out-turn of the crop probably will be above or below the figures given, according as the change in conditions from May 1 to harvest is above or below the average change.

## Always

- Always burn your trash in a trash burner.
- Always keep your attic and cellar clean.
- Always turn off the current when you leave an electric iron.
- Always keep kerosene away from the fire.
- Always keep gasoline outside of the house.
- Always build your chimneys and flues from the ground up.
- Always inspect your flues before starting fires in the fall.
- Always throw matches in a metal receptacle.
- Always keep matches away from children.
- Always have a fire extinguisher on your place.
- Always demand fire drills in the school your children attend.
- Always look for the fire exits when you enter a theater or other public building.
- Always locate the fire escapes before going to bed in a strange hotel.
- Always remember that 85 per cent of all fires are preventable.
- Always try to do your part to "free Kansas from fire."—Fire Marshal's Bulletin.



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# THE FARMERS MAIL AND BREEZE

An Agricultural and Family Journal for the People of the Great West



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Number 21

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## Clean Serum

### Sterile Material is Needed to Give the Most Efficient Protection for Hogs

By H. T. Morgan

**C**LEAN serum is required to give the most efficient protection to the hogs against cholera. Great care is needed in its manufacture. A new serum has been developed recently, which it is hoped will give better protection. This is being tested by the Kansas State Agricultural college.

Dr. John Reichel, the director of the veterinary biological laboratories of the H. K. Mulford company, has perfected a process of refining and sterilizing hog cholera serum. The new product has all the potency of the best serum that had heretofore been produced, but it does not contain any inert or harmful material. It is sterile or germ-free. When it is fully realized what is meant by a germ-free serum, the full importance of this discovery will be appreciated, and farmers will understand that at last they can treat their hogs with safety.

This new serum is a clear, wine-colored liquid, about the consistency of water, which, being free from all matter which would cause irritation, is almost immediately absorbed and assimilated, thus becoming promptly and completely effective. This is of the utmost importance in view of the fact that the owner seldom sends out his "S. O. S." for serum until he suspects that infection is already present in his herd, or that infection is imminent. The general farmer and swine-grower seldom resorts to the immunizing treatment until cholera is in his neighborhood. When the emergency arises it is only by the prompt and efficient administration of a reliable serum that heavy losses can be avoided. It would be a mere waste of time to repeat the injunction that hog cholera serum provides the only known protection against hog cholera. This new, refined and sterile serum is prepared, in the first process, in exactly the same manner as the Dorset-Niles serum. The refining process is merely a continuation from that point—where others quit.

While swine-growers generally rely upon the efficiency of the serum treatment, it must be acknowledged that in a few places their confidence has been badly shaken. In some localities the disastrous results which have followed the use of contaminated serum have caused farmers to condemn flatly the entire treatment. The costly experience in Illinois which resulted from the use of serum containing the virus of foot and mouth disease will not soon be forgotten. This experience, however, has served to emphasize the importance of proper supervision over every detail pertaining to the production of serum.

Farmers are beginning to realize the importance of sanitation as a most valuable aid in the control and prevention of hog cholera. They realize that in very many instances unsatisfactory results follow the use of serum, even after every antiseptic precaution has been observed in its administration. Abscesses and cysts may form and cause a heavy loss to the owner. Abscesses usually are due to infection from certain germs or bacteria in contaminated serum and the forming of cysts is the result of incomplete or tardy absorption of the serum.

The hog cholera serum of commerce contains a large percentage of inert material consisting of fibrin, cells and germs. Extraneous material composes about 30 per cent of the blood as drawn

from the serum producing hogs. Defibrinated blood from hyper-immune hogs is the so-called hog cholera serum of commerce.

The laboratories in which the new serum is prepared are near Philadelphia on a large farm, far removed from stock yards, abattoirs or other contaminating sources. The Mulford company is the largest producer of serums, anti-toxins and vaccines in the world. A force of 700 expert bacteriologists and trained assistants are employed in the various departments. Every product is prepared in its own separate building, and there are scores of them. More than 600 horses are used in the production of tetanus, diphtheria and anthrax anti-toxins. In experimental and test work 1000 guinea pigs are used every week, besides many rabbits. Hundreds of sheep and goats and scores of cattle are used here in the preparation of materials for conserving human and animal life.

Five years ago the Mulford company began the manufacture of hog cholera serum and in three years produced and sold 15 million c. c.'s. Two years ago, notwithstanding the fact that it was the largest producer of hog cholera serum in the world, and had on hand more than \$300,000 worth of tested serum, the managers determined to discontinue its sale until such time as they could perfect a process of refining and sterilization. The biologic corps was put to work under the direction of Dr. Reichel, but it required two years of

work at a cost of more than \$100,000 to accomplish the desired result. About 5 million c. c.'s of serum were used in the experiments in attaining an ideal in the refining, and rendering free from all germs, bacteria fibrin and blood-cells, or other inert substances, to give a hog cholera serum of the highest potency. Indeed, I may say that the protective and curative properties were increased by the refining process. All experimental work was on a commercial scale.

The great importance of sterility in serum should be thoroly understood. The term "sterile" as applied to serum means but one thing; freedom from bacterial germs. A single c. c. of hog cholera serum may contain hundreds of thousands of bacteria, and frequently millions of them.

All serum containing bacteria is contaminated, be it a single organism, or a hundred millions of them. Every particle of inert matter, every bacteria—even the so-called "harmless" sorts—tends to hold back the rapid absorption of the serum when injected into the animal. It therefore cannot be maintained that any extraneous material in hog cholera serum can be harmless.

Many swine growers know that much of the dissatisfaction resulting from the serum treatment is due directly to the germs and other harmful substances contained in the serum. The only sterile serums are those which contain no germs or bacteria. It has been difficult to obtain reliable data pertaining to the per-



Injecting the Serum.

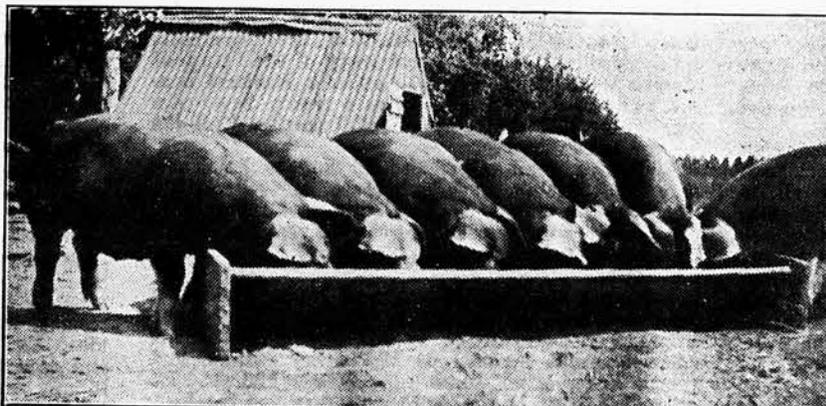
centage of hogs at the packing centers which show, upon post-mortem, abscesses or cysts from the administration of serum. It is impossible to tell the percentage of hogs reaching the markets that have had the serum treatment. It is well known, however, that a great many hams are injured or entirely ruined by the presence of abscesses and cysts. Proper administration of refined, sterile serum would stop this loss.

The blood as drawn from a serum-producing hog is invariably contaminated and the subsequent handling during the process of defibrination, up to the time the preservative is added, allows for further contamination. Under the old methods of production the question of sterility must be entirely sacrificed. This statement is positive; it cannot be argued. The manner in which serum is produced is fairly well understood by most laymen. The great outstanding feature of the new product is that it is a filtered serum. Merely passing a liquid thru a filter does not necessarily mean that it has been sterilized. True sterilization means the removal of all extraneous matter, including all germs. This new serum is actually filtered thru a porcelain candle—a Berkfeld filter. Heretofore it had been considered impossible to put a defibrinated blood thru a porcelain candle. The processes leading up to the final passage of the serum thru the filter are all accomplished mechanically and in full accordance with the regulations of the Bureau of Animal Industry, and it is prepared under Federal inspection. Its potency cannot be questioned as the new product has been tested out upon many thousands of animals.

Being clear and refined, the new serum may be administered thru a much finer needle than is possible to use with the old-process serum. I consider this an item of great importance; the use of a fine needle plus the almost immediate absorption of the serum leaves but little chance for inflammation to occur, as so frequently happens from the injection of serum containing valueless material such as clot, fibrin and cellular tissue.

No reputable serum manufacturer makes any very strong claims for the curative value of his serum and yet, it is unquestionably true that the prompt administration of a potent serum has saved the lives of thousands of animals even when treated after evidences of the infection were plainly apparent. This being true, it is but reasonable to expect that serum which is refined and sterile, and no thicker than water will be so much more quickly absorbed and that its curative effects will be much more quickly discernible than in cases where the turbid, heavy germ-laden ser-

(Continued on Page 25.)



These Hogs Were Treated Properly With Sterile Serum and They Never Have Had any Bad Effects from Its Use.



When Hogs Have Cholera, as These Animals Have, it is Important to Use the Best Serum Possible, to Aid them to Recover.

**DEPARTMENT EDITORS**  
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## Passing Comment--By T. A. McNeal

### On The Road

Among the good counties of Kansas, there probably is none better than McPherson. It is bounded on the north by the great county of Saline, on the east by another great county, Marion, on the south by two great counties, Harvey and Reno, and on the west by two other mighty good counties, Rice and Ellsworth. It has an area of 900 square miles, and perhaps there is not another tract of equal size anywhere in the United States on which can be found less waste land. Several times in its history since settlement it has led the state in the production of wheat, and it has been as noted for its corn and grass as for its wheat.

I have ridden over a good many miles of McPherson county in automobiles in the last two days and I do not believe there is another county in the state which can show a larger percentage of fine farm houses and barns and well kept farms than are in this county. It has four great lines of road, the Atchison, Topeka & Santa Fe, the Rock Island, Union Pacific, and Missouri Pacific. It has at least three colleges with an aggregate of nearly 2,000 students and perhaps more really flourishing towns in proportion to its population than any other county in the state. In times past it has produced, in addition to the regular farm crops, a considerable output of politicians, some of them successful. By way of variety there is Lawyer Hansen, who has started more individual law suits than any other lawyer in the United States, and who has specialized on suits against officials high and low until he holds, I think, the record of the world in that regard. I believe that about the only court he has not sued collectively and individually up to date is the Supreme Court of the United States, and some time he probably will figure out a way to get action on the members of that exalted tribunal.

### The Good Old Town

McPherson, which now ranks, and for that matter has for a good while ranked as one of the best and cleanest county seat towns in Kansas, had its beginning in 1872. A small bunch of Salina men, at the suggestion of L. G. Skanke, decided that there was some good money in founding a town in the new and rich county. So they proceeded to trek down to the center of the promised land and the result was the beginning of McPherson Center, named for the famous soldier who gave his life at Chickamauga. The first townsite company was organized in June, 1872, with James Marlin as president, L. G. Skanke as secretary, and R. H. Bishop as treasurer.

A few of the men who started with the beginning of the new town are still alive; most of them have joined the silent majority. Success, after all, is at least partly a matter of luck. Probably with most of the founders of McPherson, as is the case with founders of most towns, it was a matter of some trivial incident that determined their action. Some of them stuck thru hard times, evil report and good report, and won out, while others wearied of the struggle and disappointments and hope long deferred which maketh the heart sick, went away to try their fortunes elsewhere.

Old settlers tell a story of Eli Williams, McPherson's first banker, who paid \$70 for a large block of building lots in the new town, and wise men with their backs humped to the Kansas winds, and all the faith they may possibly have had blown out of their systems, said that of course a man had a right to fool away his money if he wanted to, but that the time would come when Eli would wish that he had those 70 good iron dollars in his safe or his pocket instead of throwing them away on lots that never would be worth a whoop. Eli with a faith which appeared almost sublime, said that he was satisfied. I do not know how much those lots are worth now but probably what would be considered by many men as a comfortable competence. This by the way was not the only instance by any means where Eli Williams proved himself to be a good guesser.

I might say here that I have learned something on this trip, and that is that McPherson Center has not always been the county seat of McPherson county. Lindsborg used to be the seat of government of the kingdom but while the Swedes who settled the rich lands about Lindsborg do not let many good things get away from them they did allow the McPherson bunch to take the county seat away in 1873. Perhaps the reason for this was that

the sons of Sweden were wise enough to know that sooner or later the people of the county would demand that the county seat be located nearer the center of the county. Lindsborg is only a few miles south of the north line.

However, these Swedish people didn't get discouraged on account of the loss of the county seat. Eight or ten years after that the dream came to the big, young and virile preacher, Carl Swenson, that out on the prairies of Kansas could be built a great institution of learning, and so, without money or large financial credit, he undertook the stupendous task. We know now how his dream came true. We know how, at the little town away out on the wind swept prairies, a great college has grown up and how, in addition to being a literary center, it has become the most noted musical town of Kansas where people from all over the state flock by the thousands every year to listen to Handel's wonderful production, the Messiah. That was better than to conduct a long and bitter contest to hold the county seat.

### A Community Center

Maybe you have never heard of the community center organized out in the beautiful farming country three or four miles from the little village of Conway. I confess that up to a few months ago I knew practically nothing about it. It occurs to me that it really is something rather unique even in Kansas. Out there is a settlement of people known generally as Dunkards. This denomination almost invariably is composed of law-abiding and thrifty people, and this community is no exception. The denomination originated among the Pennsylvania Dutch. It was known in church bibliography as the German Baptist church, but as this church is no longer made up of German-speaking people the denomination has decided to drop the name "German Baptist" and take on the name "The Church of the Brethren." The people of this denomination still retain a few of their peculiar customs. For example, the somewhat peculiar style of headdress of the women. This plain headdress, or bonnet, was adopted originally as a protest against the exhibition of worldly vanity, but I have a notion that the pretty lasses of this church are about as fond of admiration as their sisters in other denominations, and what is more they have a way of making those queer little bonnets which makes them seem a lot more tasty than a great many of the hats that women wear. A pretty face under a Dunkard bonnet looks as attractive to me as a pretty face under any other kind of headgear and I suspect that the wearer knows it, too.

Well, this Dunkard settlement built a handsome and comfortable church out there in the country. The same denomination has built a college at the city of McPherson which is growing rapidly and becoming recognized as one of the solid educational institutions of this state.

A young man by the name of Yoder decided, a year or two ago, that it was his duty to become a preacher. His father is one of the substantial and successful farmers of McPherson county, and young Yoder is no slouch of a farmer himself. He proceeded to fit himself with a literary and theological course, and then took charge of the country church. Now there may be an impression that the Dunkards are an ultra conservative people, industrious, thrifty and law abiding and intensely religious, but not much given to trying out any newfangled notions. Whether there is any ground for that impression or not the young preacher had some original ideas, and he proceeded to put them into practice. He believed that a preacher ought to do something besides preach a couple of sermons every Sunday. He had the notion that the country church ought to be a community center which would help to supply the needs of the country community and give it some of the things it lacked. He was asking the questions so often asked and not yet satisfactorily answered: Why do the boys and girls want to get away from the farms? Why do the old men, when they have secured a competence on the farm, want to leave it and go to the towns? It seemed to him that one of the reasons, at any rate, was that there was a lack of social life and social opportunity in the country, and that the church might supply this need. So, for more than a year, he has been working along the line that he thinks will best carry out that idea. In the winter he organizes a lecture and entertainment course with clean entertainments

to which the young people, and the old ones too, for that matter, can go. There are entertainments of other kinds too during the week, and once a year the church has a "community day" at which they have a varied program. At noon the whole crowd gathers in the basement and has a great feed of such things as chicken, cold boiled ham, salads, pies of various kinds and cake in wonderful variety and profusion. This year, for example, speaking now of the program, there were talks on health and hygiene; on the best methods of feeding and caring for cattle; on domestic management and economy, and on co-operation. There was some good singing, too, but I believe the musical part of the program will be extended and improved as the years go on. Then, to show that this preacher does not believe in long faced and dyspeptic theology, he had a speaker who devoted his remarks to the subject of sports and play. Back of the country church, also, is a playground for the children and the young preacher urges his congregation to pay more attention to teaching the children how to play and helping them in their games.

Now from what I could see and learn this community of religious folk take to this sort of a preacher who is teaching them that after all the principal business of the best kind of religion is to make things better here below; to teach people how to live happier, more wholesome and healthier lives, and that if they toe the mark and make good here below there isn't much occasion to worry about what is coming hereafter. And these plain, hard-working, prosperous people are backing up the preacher and helping him to carry out his idea. That is the reason this experiment is likely to grow in power and influence, and it is why the helpful contagion of it is likely to spread to other neighborhoods.

### Real "Pep"

The town of Little River, Rice county, Kansas, is credited in Jake Mohler's report, with having a population of 571. That of course was a couple of years ago and the population may have increased some since then. Still I hardly think there are more than 650 people in the town right now.

Now it occurs to me that a town with only 650 inhabitants which owns a fine water plant and a fine electric light plant so that its people can enjoy about all the modern conveniences and at a moderate cost, is going some; but within a week or two Little River will enjoy I think the unique distinction of being the only town in Kansas to own a well equipped, modern hospital which would be a credit to any place.

The way this comes about is that one of the wealthy citizens of the town, Mr. Huffman, who has made the most of his money there is possessed of a rather unusual loyalty to the town and also a desire to perpetuate his name in a way that will benefit not only the town of Little River but will continue to help relieve the afflictions of men and women in the years to come. Imbued with this idea, Mr. Huffman has expended between twenty and twenty-five thousand dollars (my guess is that it will reach the full twenty-five thousand dollars before the building and grounds are in shape) in building a modern hospital. I think perhaps the idea was suggested to him by the fact that sometime in the past he had to go to a hospital for treatment himself. Whether that is true or not, the important fact is that he has put up the money to build the hospital and when it is finished will turn it over to the city of Little River to be owned by the city forever. There is a modest, middle aged surgeon by the name of Powell, who is entitled to share in the credit of this enterprise.

Mr. Huffman builds the hospital and fixes up the grounds but Dr. Powell furnishes the interior equipment. I do not know that the title to this equipment will pass to the city with the deed to the property but the hospital will get the benefit of it just the same.

The hospital building is constructed of vitrified brick so far as the walls are concerned. It is a handsome building with rooms for fifteen patients and I suppose on a pinch even more might be accommodated. It is located in the middle of a handsome tract of ground comprising I think an entire block. When the grounds are fixed up as they will be soon, this will be one of the prettiest locations in the state. The town has perfect natural

drainage and is surrounded by as rich and beautiful country as there is in the state.

Before this is read the dedication ceremony will be held. The people of Little River and vicinity are preparing now to have a holiday. Everybody and their wives and children are coming to town and Judge Foley of the utilities commission will or rather by the time this is read, will have made the dedication speech and all will be merry as a marriage bell. That may seem slightly incongruous to talk about a merry time at the dedication of a hospital but the people of that prosperous town and community are not going to let a name mar their pleasure.

And by the way it seems to me that men who have accumulated wealth are gradually coming to have a better conception of their responsibilities. More and more I hope and believe that they are coming to realize two important facts; one is that the greatest pleasure any one can ever have in this world is that derived from doing good to one's fellowmen and women and the second is that in the higher and better sense they are not after all the owners of the wealth they have accumulated; only the trustees of it. The wealth has been created in large part by the labor of other people and therefore should be used for the benefit of the community, the state, the nation, in short, for humanity.

### A Land of Automobiles

Last Wednesday evening I talked to a crowd of perhaps three hundred and fifty people who gathered in a large, well furnished church out near the western edge of McPherson county. This church was built by the Swedish Lutherans who settled there a generation ago and have grown prosperous from farming the fertile prairies of McPherson and Rice counties.

The church is furnished with the old fashioned high pulpit where the preacher stands away above the heads of his auditors and is almost hidden from their view unless he happens to be a very large man, by the great, high, old fashioned pulpit. That sort of pulpits used to be common in all the churches, but the modern idea has gotten away from that and the preacher now stands on a slightly raised platform with only a large enough stand in front of him to hold his Bible and hymn book. I suppose the old idea was that the preacher could do a better job if he was in a position to talk down to the congregation.

Looking at the pulpit in this country church made me think of the great high pulpit in the old church in which I slept when a boy, with its almost shoulder high wall behind which the minister stood and from its parapet-like wall hurled imprecations at the heads of unrepentant sinners below or spoke the gentle pleadings that they should lead a better life.

But what I started out to say was that at this gathering at the country church, a good many miles from any town, there were estimated to be seventy-five automobiles of various makes parked there on Wednesday evening. I do not know of course the aggregate cost of these automobiles but presume it was not so very much below seventy-five thousand dollars. Perhaps there were some horses and buggies out in the yard but I did not happen to see one. As a means of conveyance the horse and buggy has nearly gone out of business in the great state of Kansas. A Kansas country crowd is a fine one to talk to; sympathetic, kindly and not too critical. Why, that crowd even seemed to be pretty well satisfied with my speech or else they were too good natured to express their disapproval.

### Succeeding in Colorado

As a reader of the Farmers Mail and Breeze, I have been looking for sometime for you or your "friend," Truthful James to open up with your rapid fire gun and take a few shots at Eastern Colorado as you used to do in earlier days, but it seems that you have changed your location for target practice to New Mexico, Arizona, or even Old Mexico, the latter being an ideal location, in my estimation. No doubt, the reason for your making the change is because you can shoot farther and oftener without hitting anything.

In my opinion it would be impossible for you to fire a single shot in or at this great plains region without hitting a number of your readers who do not deserve such treatment. It is true that a few years ago they were crazy enough to come to this great, dry, desert region and take homesteads, and a large number of them were crazy enough to stay and actually beat Uncle Sam at his own game, and got patents to their places. Some were even more demented than that. They were foolish enough to get hold of a few cows and hens and they found that they supplied the necessities of life. Stations were opened where cream could be sold, and the merchants went to shipping the eggs out instead of shipping them in as they had done heretofore. Uncle Sam bet these settlers (and the cattlemen backed Uncle Sam) that they could not get 40 acres into cultivation within three or five years, and they called Uncle's bet. To their surprise the crops they planted came up and grew, and they had feed for the cows, kafir, and later feterita, for the hens; and even ears of corn grew on the corn stalks, more than enough for the plug teams they had, so they got a pig or two, and now, would you believe it, they are shipping out hogs by the carloads from all the towns. Then others planted some wheat,

others barley, and others the different kinds of grain, and this stuff grew and had real grain in the heads, and now they have elevators (mostly Farmers' Equity Union in this part) and ship out grain just as if this were not a "desert" country. Later they found Sweet clover and even alfalfa would grow on the "desert." Then Uncle Sam went over to that other desert and got that Sudan grass seed, and now it grows and grows.

Fortunately, however, I believe I now see signs of these same people recovering their reason, in that they are deciding to stay in this "desert," and make homes, and, by better methods of farming make the desert bloom into great growing fields, if not into roses, since they have found that they can do this by means of the 16 or 18 inches of moisture that comes from the clouds.

Now I wish to thank you and "Truthful James" for moving your location for target practice to scenes far removed from Eastern Colorado, and assure you that I always enjoy reading your articles wherever found.

Seibert, Colo.

E. M. Short.

### More Farm Names

We moved to a farm in Republic county about 15 years ago. The large peach orchard on one side of the house, the apple orchard on the other side and the many shade trees in front at once suggested the name of "Shady Nook."

We spent our vacation a few summers ago on a ranch in Wyoming. The owner called the place "Silver Springs Ranch" because the water from a spring near the house flowed over mica rock which made it resemble silver.

We named our farm here, in Oklahoma, "Cedar Grove" because of the 37 cedars in the yard. When our neighbor's orchard was in bloom we named their farm "Orchard Blossom," and we have named another neighbor's farm "Oak Dale" because of the many oak trees near the house. Every farm home should have a name, and it should be printed on the stationery and on the mail box.

Mrs. Frances Holmes.

"Cedar Grove Farm," Oakwood, Okla.

### Mr. Morland Inquires

As the people are considering the financial question will you allow me to ask some questions for their consideration?

1. Is not all money, metal or paper, the credit of the nation, based on the combined wealth of the nation?
2. Properly speaking, can one form of money redeem another form of money?
3. Can a gold reserve of 150 million dollars redeem \$3,925,000,000 of currency and 970 million dollars in bonds, total 4,895 million dollars?
4. Is not the only true redemption of money the exchanging of it for something of intrinsic value, tax receipts or the cancellation of debts?
5. When the government assumes the redemption of a bank note, is it not redeemed so far as the bank is concerned, and if so should not the government cancel the bond which is held as collateral?

Haven, Kan.

The questions asked by Mr. Morland call to mind some significant admissions made by a banker friend of mine, who by the way, is one of the most successful and prominent bankers in Kansas. The two significant admissions were as follows: "Bankers deal not in money but credit and the borrower in a vast majority of cases is borrowing not money but credit."

"Money is really a fetish, which we have inherited."

If those declarations had been made by a common plug private citizen he probably would have been accused of being a wild-eyed fiat money man, whose only excuse for his statements was his abysmal ignorance.

This banker, however, is neither ignorant nor without experience. He is regarded by his fellow bankers as one of the shrewdest men in the banking business in the West and has proved that this estimate is correct by an uninterrupted success covering many years.

People think of gold as money, but it is not money until stamped by some government. Up to that time it is merely a commodity. We hear and read a good deal about "sound money" but the fact is that what makes money sound or good is not the fact that it is declared to be redeemable in gold but the responsibility of the government which is behind it.

Prior to the downfall of the Diaz government, Mexico was on a gold basis; the Mexican currency was redeemable in gold. If there is still in existence any of that currency, and I presume there is, on its face it is still redeemable in gold, but it is worthless because the government which authorized it is destroyed and that currency no longer represents credit.

When Villa set up his government in Northern Mexico he issued a large quantity of currency. For a time it had some purchasing power because the Villa government had a little credit. It is now worth just what it will sell for as a curiosity or as waste paper. Carranza currency is only a little better because the Carranza government has only a little more credit than the late government of Villa.

A government cannot create something out of nothing any more than an individual can do it, but it can marshal the assets of the country in the form of national credit and issue the evidences of that credit in the form of currency which is called money. That money has purchasing value just in

proportion to the confidence the people of that government and of the world at large have in the stability, power and good faith of that government.

We boast that the credit of the United States is better than that of any other nation in the world and that the money authorized by our government, whether greenbacks, bank notes, reserve bank notes or gold or silver certificates, are all as good as gold. The boast is more than justified. The truth is that a government note is better than gold because as the gold piece wears out its exchange value grows less, while the government note is good for its face until it is worn to tatters, and then it can be taken to the treasury and exchanged for a brand new note. But if this government were to fail, as the government of Diaz failed, neither its notes, the bank notes nor even the gold certificates would retain their purchasing power, for the credit which is now behind them would be gone. It is within the power of the government to establish for all other forms of currency a government currency based on the combined credit and good faith of the people of this country and to lift the burden of interest from the backs of the producers of the country, but there is no prospect that it will be done. Banks and bankers and those whose revenues are made up largely of interest, control this government.

### Socialists' Opinions

The editorial of two weeks ago on Socialism, its aims, its good points and its weaknesses, has caused a number of Socialists to write me giving their views on Socialism and what it stands for, and in what respect I am mistaken about it. N. B. Wilkinson of Willow Springs, Mo., sums up as follows:

In its final analysis Socialism means the eliminating of all profit; the eliminating of all interest; the eliminating of all rent; the eliminating of all waste; the social producing and distributing without profit of all things socially necessary to life and comfort; the private, personal ownership of all things behind the front gate without the ordinary accompaniment of the present-day chattel mortgage.

Socialism holds as a truth indisputable that labor creates all the wealth; that those who create the wealth of the world should retain it; that those who do not create any part of the wealth of the world by some useful labor are not entitled to it; that whenever any one gets one dollar, one thousand, or one million, or more dollars which he did not produce by his own labor, others have produced the one dollar, the one thousand or the one million dollars which they did not get. And Socialists are such miserable cranks that they insist that this is wrong.

Jesse Johnson, fieldman for the Nebraska Farm Journal, writing from Lincoln, Neb., says:

I have read with great interest your comments on Socialism in the Farmers Mail and Breeze. It was fine for you to say so many nice things, and I think all fair minded Socialists must agree with you for the most part. But the argument in which you refer to Plato and Socrates will scarcely stand the test. The things now demanded by Socialism would have been impracticable that long ago, because of the fact that machinery was not yet discovered sufficient to develop the corporation and trust. The methods employed in farming 50 years ago have passed away not because of any ideals that took possession of the minds of the farmers of that time, but a more effective way had to be devised to keep pace with the changes that were taking place, and so we are fast learning that competition is expensive, and no longer necessary. Men will and must make the change and instead of the ideal dream you speak of determining the change it will be bare necessity that will cause the change. When our present system is outgrown completely the change will be made just as changes have been made from time to time since organized society has been on the job. The present world war has done much to educate out of the minds of the people the belief that Socialism is a dream that will never be realized. The fact is that but for the application of Socialist principles of co-operation and control not a single country engaged could continue to fight six weeks. The question naturally arises if it works so well in times of war why not in times of peace?

John Fisher of Marion says that he does not think I have quite the right view of Socialism. I spoke of the fact that Socialism did not prevent the war. Mr. Fisher says that I should remember that the modern Socialist movement is young, and that Christianity, which has existed for 19 centuries has not prevented war, altho if the doctrine taught by Christ had been lived up to this war would be an impossibility.

All of which I freely concede. I was not intending to lay the blame of this war on the European Socialists. I know that they could not have prevented it under present conditions. The weakness was in supposing that they could. There were a great many people outside of the warring countries and no doubt a great many inside of these countries who supposed that international Socialism had advanced to the point where it would prevent war. They should have known better. I was simply reciting the fact not necessarily in criticism but as a statement of conditions.

Another Socialist subscriber writes that I am mistaken in stating that a local officer of the Socialist organization was expelled or suspended because it was shown that at the last general election he had supported a candidate on another party ticket. If I was wrong I very gladly correct the statement. My information certainly was as I stated it and I supposed it was reliable.

Mr. Nebbeck, a very enthusiastic Socialist of Calvin, Okla., writes but not in criticism. He says in part: "Your comments in the last two numbers of the Farmers Mail and Breeze are worth one dollar alone. I wish every voter in Oklahoma had your last Passing Comment on Socialism."

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# Flies Breed in Filth

## Trouble From This Pest Can be Reduced by Cleaning up the Lots

THERE is a big need for more effort on Kansas farms in fighting flies. This was shown in an especially forceful way last summer, as there was more trouble encountered with flies than usual. This is a good time to resolve to destroy the breeding places of the flies this summer, and to try to keep them out of the house.

It is especially important that the breeding places should be removed on Kansas farms. The larger part of the flies breed in manure. In order to fight them effectively it is necessary to keep the manure hauled out promptly. If the house and barn and the surrounding grounds are kept thoroughly clean there is little opportunity for flies to breed. If they have even a small breeding ground they will multiply with amazing rapidity. This is the way the increase would work out if none of the insects were destroyed: Starting April 15 with one fly we would have 120 by May 1; 7,200, May 28; 432,000, June 20; 25,920,000, July 10; 1,555,200,000, July 29; 93,312,000,000, August 18; 5,598,720,000,000, September 10. If these flies on September 10 which came from the original fly were placed end to end they would make a line long enough to go around the world 880 times.

A special effort has been made in a fight the flies campaign by the Kansas state board of health. This series of questions and answers, prepared by the board, gives the more important factors in regard to the fly conditions:

1. Where is the house fly born?  
In filth, chiefly in horse manure and outhouses.
2. How long is the life cycle of his birth?  
About 10 days from the time the egg is laid until the mature fly is born.
3. What are the steps in the transformation from the egg to the fly?  
The egg, the maggot, the pupa, the fly.
4. Where does the fly live?  
Where there is filth.
5. Is there anything too filthy for the fly to eat?  
No.
6. Does the fly like clean food, too?  
Yes, and it appears to be his delight to wipe his feet on clean food.
7. Where is his favorite place of feeding?  
The manure heap, the garbage can, the privy vault, and the spittoon.
8. Where does the fly go after leaving the manure pile, the garbage can, the privy vault and the spittoon?  
Into the kitchen, dining room and bedroom.
9. What does he do in the kitchen, dining room and bedroom?  
He wipes his feet on the food, bathes in the milk, and annoys the sleeper.
10. Does the fly visit those sick with typhoid fever, consumption, small-pox and cholera infantum?  
He certainly does, and may call on you next.
11. Is the fly dangerous?  
Yes, he spreads disease.
12. How does he spread disease?  
By carrying infection on his legs and wings, and by "fly specks" after he has been feeding on infectious material.
13. What diseases may the fly thus carry?  
He may convey typhoid fever, tuber-

culosis, cholera, dysentery and "summer complaint."

14. Did the fly ever kill anyone?  
He killed more American soldiers in the Spanish American war than the bullets of the Spaniards, and was the direct cause of much of the typhoid fever in the United States last year.

15. Where are the greatest number of cases of typhoid fever and summer complaint?

Where there are the most flies.

16. Where are the most flies?

Where there is the most filth.

17. Is the presence of flies therefore an indication of nearby filth?

It most certainly is, and that is disgraceful.

18. How may we successfully fight the fly?

By destroying or removing his breeding place, the manure pile, removing all garbage and making the privy vault fly-proof, and by keeping our yard and alley clean; by screening the house; by the use of the wire swatter and sticky fly-paper; by trapping.

The most effective method of controlling flies is by preventing fly-breeding. As a rule, to which there are no exceptions, this means that no collection of moist manure is to be left accessible to flies for as long as a week during hot weather. Fly eggs and larvae live for a week in hot weather in moist manure. Therefore, if manure is hauled away and spread oftener than once a week it will not breed flies. The advantage of a daily removal is that it means no manure boxes, manure pits, or manure piles.

The only places that have entirely conquered the fly nuisance remove manure daily. The only manure receptacles are small and portable.

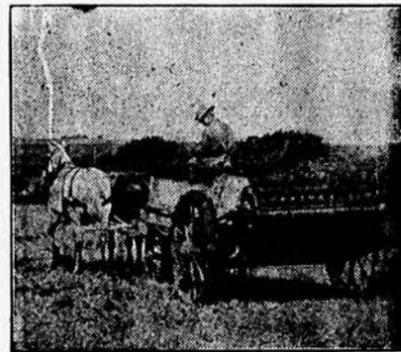
Flies will not remain in a clean house in warm, dry weather. A clean garbage pail is the most important item of fly preventive household cleanliness. During cold or rainy weather no amount of cleanliness will make a house fly-free. Therefore, unless the manure and garbage situation has been solved, screens are a necessity. A few flies will get into the best screened house. For the clean, well-screened house, the only additional measure required is fly-swatting, traps, and fly papers. For a butcher-shop, or grocery store, however clean it may be, and however well screened, fly-trapping and fly-poisoning will be required. Such places should have Hodge fly-traps on their garbage cans and scrap cans. Elsewhere around the store and in the yard ordinary fly traps should be used. Formalin fly mixtures are effective only in premises that are so dry that the fly has no drinking water except poison water.

All specialists who have had experience in fighting flies speak of the importance of destroying the breeding places. This is shown by J. D. Robertson of the health department of Chicago, who has had a great deal of experience in fighting flies. He said:

"It seems to be clearly and definitely settled that as a fundamental in the ridding of a community of flies the places wherein they breed must be destroyed. If these are removed there can be no flies.

"Fly swatting may be a popular pastime. It has been much talked about, but so far it has not been very effective. The well-meaning housewife applying a swatter continuously, kills the flies one at a time. The removal of the contents of one manure box will swat millions of them. Education is a good thing, but education without action accomplishes little. It is a fine thing for people to screen their homes to keep the flies out, but it is a far better thing for people to remove nearby filth and make their neighborhood so clean that there can be no flies and little or no necessity for screens.

"In fact, taking another view of it, the presence of flies in a community should be taken as a warning that there is filth present in that community. Filth and flies go together; no filth, no flies. About the only good thing you can say of the fly is that when you see him it should stimulate you to hunt up the place where he was born and de-



Haul Out the Manure.

stroy it, so that it may breed no more of its kind."

It is of course very hard to get rid of flies under conditions such as we have on Kansas farms, even if great care is taken, for stock will bring flies from breeding places out of the control of the individual farmer. This indicates all the more forcefully the importance of co-operation on work of this kind. But even if this is not obtained, if all the manure is kept cleaned out and the other breeding places are destroyed, the big thing will have been done in fighting this pest. In addition it is necessary to use good screens on the house, and to go thru the doors quickly, to reduce the chances the pests have to enter.

A real effort is needed in fighting flies. It will save the lives of many persons every year, especially babies. It will do much to make the living conditions more agreeable. If every farmer will keep the manure hauled out it will make the troubles from flies a great deal less than in 1915.

## Broom Corn Situation

Wichita dealers are still doing some business, but it is pretty much of a waiting game here now and probably will be till the 1916 crop is ready for the market. No one has a representative in the field because broomcorn is so scarce and is held at such high prices generally that the expense of buying it would be greater than the profits, says Brooms, Brushes and Handles.

Sales have been small during the past month without much change in prices. Possibly the price for the better grades is a trifle stronger, but not enough to speak of. The bulk of the sales made recently range from \$110 to \$160. Some brush of lower grade has been quoted as low as \$100, but no one appears to be in the market for that kind of broomcorn just now. Some corn has sold as high as \$190, but it was from the 1914 crop.

News from southern Texas received by some of the dealers here indicates that conditions there are a little more encouraging than they were a month ago. Some rain has fallen in the Beeville district and this will help planting and start the seed that has already been planted. It is the general belief here that the Texas crop will not mature much earlier than that of Southern Oklahoma this year because of this late start.

Wichita broomcorn market quotations follow: Prime dwarf for whisks, 7@7½c; good to choice green hurl, 8@9½c; medium hurl, 6@7½c; good self-working, 6@7c; sound medium self-working, 5½@6½c; sound common, 5@5½c; damaged and stained, 4½@5.

## Away With the Booze

I wish to express my appreciation of a man like Governor Capper and what he is doing. I surely wish we had more men like him. We live east of Pittsburg near the state line and we see booze being hauled into the state every day and see the bad effects of booze around these camps. We surely need a band of men and women with the will and energy of Governor Capper to get rid of this miserable liquor business.

Pittsburg, Kan. W. D. Hook.



Flies are Enemies of Babies.

# A Smaller Wheat Crop?

## There is a Very Encouraging Interest in Diversified Farming in Kansas

BY F. B. NICHOLS, Field Editor

THERE will be a smaller acreage of wheat sown in many Kansas communities in 1916 than last fall. This will be merely the continuing of the movement started last year; the wheat acreage this year is a great deal smaller than in 1915. When the war in Europe ends and the wheat in Russia becomes available, the price is certain to decline. It seems likely, therefore, that before the wheat crop of 1917 is harvested the price will be materially lower than the level of the last two years.



The Acreage of Wheat Will be Reduced in the Near Future in Kansas, and More Attention Given to Diversified Cropping and to Good Livestock.

Then there is another factor which enters into this, which is that there is a decline in interest in wheat farming in many communities. In such progressive places as Larned, Offerle and Ness City it is very obvious that the livestock farmers are making more money than the exclusive grain growers, and this is helping in the movement toward a smaller grain acreage. Still another factor is the increase in the Hessian fly damage. This pest is now well distributed over the wheat belt of the state, and it is reasonably certain to always be with us. Of course the Hessian fly can be controlled by the co-operative effort of all the farmers in the community, but it takes the united action of all. If one man is careless it is likely that the insects from his field will infest the fields of his neighbors. There are communities in Kansas where all the farmers have united in the use of good methods, of which the neighborhood near McFarland is a good example, and this number will be greatly increased. In some sections, however, it is not going to be possible to get this co-operation. Therefore in the favorable years for this insect there is going to be a great deal of damage to the wheat. This will of course greatly reduce the profits—there were many fields in Sumner and the surrounding counties in 1915 that were a total loss from the attacks of this pest.

Therefore it is likely that the Hessian fly is going to do a great deal to force a system of diversified farming for the wheat belt of Kansas. It will have much the same effect that has been noticed in the cotton growing sections of the South since the boll weevil arrived. The losses which come to the wheat crop some years, such as in 1915 when harvesting was difficult, also have done a great deal to force diversified farming. For example, right now there is a great deal of disgust among the farmers between Great Bend and Ness City, up the rich bottoms of the Walnut creek, over the trouble encountered in the harvesting of the wheat last year.

Back of the whole thing is a growth in the interest in fundamentally better methods of farming; in a larger acreage, of legumes, a better crop rotation and in more livestock. There is a greater belief than ever in the livestock future of Kansas. Exclusive grain growing has done much to hold this development back.

It is well that this interest in a better farming system is coming now. There already is a shortage of available fertility on many wheat fields in Western Kansas. That section is just at the beginning of a serious decline in yields because of a lack of available fertility.

The soil in no section can stand farming such as that which has been used in the wheat belt of Kansas, where the grain has been removed and the straw burned. Of course the main decline in crop yields in Kansas caused by a lack of available fertility has come in the eastern part of the state. This has come mostly because the soil has been farmed longer, and anyway there is some shale and sandstone land in Eastern Kansas that was low in available fertility, especially phosphorus, at the start. It will be easier to repair the damage there than in the western half, because there is a larger number of crops that can be used in a rotation, and a wider range of selection among the legumes. In general it is easier to build up a soil in a humid section than in drier regions, where the range of selection with the crops is limited.

When the soil humus and most of the available fertility becomes greatly depleted in Western Kansas soils it is going to be a mighty hard thing to build them up. Fortunately this has not occurred on any considerable number of fields yet. Most of the soil in the more favored sections of Western Kansas is remarkably rich. A good example of this is around Scott City. That soil has an absolutely amazing adaptation for alfalfa, and on fields supplied with water from the underflow some immense yields have been produced.

It is especially fortunate that at the time this interest in diversified farming was becoming very obvious in Kansas the rather large acreage of alfalfa which was sown last fall was coming thru the winter in good condition. There are a few exceptions to this but they are not abundant, fortunately. Most of the men who planted alfalfa in 1915 have been rewarded with a good stand.

Quite a good deal of this success has been due to the care taken in preparing the seedbed. Many of the alfalfa growers of this state have got to the point where they are just about as certain of getting a stand of alfalfa as they are of getting a stand of any other crop. The larger acreage that is being grown by these better methods of seedbed preparation is making it possible to use alfalfa more as a rotation crop. I can well remember the time when no one thought of plowing up a stand of alfalfa until it had died out so much that it was no longer profitable. Fortunately we are getting past this point here in Kansas, altho some men still have the idea. It is not so much that we wish to make

alfalfa a short time rotation proposition like we would Red clover. The idea is to plow up the stand after the land has obtained a great deal of nitrogen from the air, and considerable humus from the decay of the roots. Perhaps six years is long enough for the crop to be left if it is easy to get a stand on other land.

Of course no man is going to plow up a stand of alfalfa if other alfalfa is not available to take its place. The idea is that there is a good deal of stored fertility there at the end of a few years that can be used profitably for grain crops, and it ought to be so used. A higher return can be made from the farm if the alfalfa is plowed up from time to time, so it can be rotated over the fields.

A larger interest in diversified farming and a smaller acreage of wheat are hopeful indications in Western Kansas farming. They show that in this section there is a growing appreciation of the high value of crop rotations. This will mean a more profitable and satisfactory agriculture.

Have taken your paper 19 years and feel that I can't get along without it.—G. H. Jenkins, Ohio, Neb.

An ambition to excel is necessary to great achievement in any line.—Exchange.

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need not be dull.

Cheer up!—Get to work in a

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6 H.P. . . . .	\$36.00
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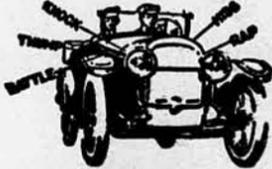
# Protect Your New Car

About 900,000 cars will be bought this year. Thousands of those new cars will age through lack of proper attention. Between the new car and the prematurely old car there are three main differences:



New Car

1. Silen motor.
2. Full power.
3. Infrequent repairs.



Old Car

1. Noisy motor
2. Weakened power.
3. Frequent repairs.

Let us look at the symptoms of premature old age:

(1) In a new motor, only one thing brings on noise. That is *abuse*. Too often noise is the motor's complaint against improper lubrication.

(2) The most serious causes of permanently weakened power are scored cylinders, worn bearings and piston rings. These troubles are brought on by incorrect lubrication.

(3) During the first year, engine repairs usually are infrequent — even with incorrect oil. But with incorrect lubrication the second year brings the reckoning. The results of wear now show up plainly. The worn motor never "comes back."

The one main factor in keeping your new car new is correct lubrication.

You selected a car that suits you. Now select the oil that suits your car. You will find the correct grade of Gargoyle Mobiloils for your car specified in the Chart of Recommendations, below.

For several years this Chart has been a standard guide to correct automobile lubrication. If your car is not listed in this partial Chart, a copy of our complete Lubrication Chart will be sent you on request.

In buying Gargoyle Mobiloils from your dealer, it is safest to purchase in original packages. Look for the red Gargoyle on the container. For information, kindly address any inquiry to our nearest office.



## Mobiloils

A grade for each type of motor

### CORRECT AUTOMOBILE LUBRICATION

Explanation: The four grades of Gargoyle Mobiloils for gasoline motor lubrication, purified to remove free carbon, are:

Gargoyle Mobiloil "A"  
Gargoyle Mobiloil "B"

Gargoyle Mobiloil "E"  
Gargoyle Mobiloil "Arctic"

In the Chart below, the letter opposite the car indicates the grade of Gargoyle Mobiloil that should be used. For example, "A" means Gargoyle Mobiloil "A," "Arc" means Gargoyle Mobiloil "Arctic," etc. The recommendations cover all models of both pleasure and commercial vehicles unless otherwise noted.

MODEL OF CAR	1916	1915	1914	1913	1912
Albion Detroit	Arc	Arc	Arc	Arc	Arc
Apperson	A	A	A	A	A
Auburn (4 cyl)	A	A	A	A	A
Auburn (6 cyl)	Arc	Arc	Arc	Arc	Arc
Astoria	Arc	Arc	Arc	Arc	Arc
Avon	A	A	A	A	A
Briscoe	A	A	A	A	A
Chrysler	Arc	Arc	Arc	Arc	Arc
Claire	A	A	A	A	A
Chrysler Six	Arc	Arc	Arc	Arc	Arc
Chevrolet	Arc	Arc	Arc	Arc	Arc
Colt	A	A	A	A	A
Cummins	A	A	A	A	A
Detroit	Arc	Arc	Arc	Arc	Arc
Dodge	A	A	A	A	A
Empire	Arc	Arc	Arc	Arc	Arc
Ford	A	A	A	A	A
Franklin	A	A	A	A	A
Great	Arc	Arc	Arc	Arc	Arc
Hudson	A	A	A	A	A
Hupmobile	A	A	A	A	A
L.H.C. (air)	A	A	A	A	A
Jackson	A	A	A	A	A
Jeffery	Arc	Arc	Arc	Arc	Arc
Kelly Springfield	A	A	A	A	A
King	A	A	A	A	A
W.C. Com'l	Arc	Arc	Arc	Arc	Arc

MODEL OF CAR	1916	1915	1914	1913	1912
Blair	Arc	Arc	Arc	Arc	Arc
Com'l	Arc	Arc	Arc	Arc	Arc
Com'l (Model 48)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 55)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 58)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 60)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 62)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 64)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 66)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 68)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 70)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 72)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 74)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 76)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 78)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 80)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 82)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 84)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 86)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 88)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 90)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 92)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 94)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 96)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 98)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 100)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 102)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 104)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 106)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 108)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 110)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 112)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 114)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 116)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 118)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 120)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 122)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 124)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 126)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 128)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 130)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 132)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 134)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 136)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 138)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 140)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 142)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 144)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 146)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 148)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 150)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 152)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 154)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 156)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 158)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 160)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 162)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 164)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 166)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 168)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 170)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 172)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 174)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 176)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 178)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 180)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 182)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 184)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 186)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 188)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 190)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 192)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 194)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 196)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 198)	Arc	Arc	Arc	Arc	Arc
Com'l (Model 200)	Arc	Arc	Arc	Arc	Arc

### YOUR TRACTOR

also may be lubricated efficiently with Gargoyle Mobiloils. On request we will mail you a separate Chart specifying the correct grade for each make and model of tractor.

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# Warm Weather Aids Corn

## Prairie Grass Also Has a Good Start This Year

BY HARLEY HATCH

GOOD corn weather has arrived. For the last two days we have been having weather warm enough to bring up planted corn, and that which was planted two weeks ago is just beginning to peep above ground. At this time, May 6, we are having normal May weather with no change in sight.



print. But to confound all these assertions there was the living colt skipping round his mother and as white as any New England farmhouse. It usually is supposed that all gray or white horses were born black and so they are in probably 999 cases out of a thousand. The mother of this colt was a sorrel.

In my last epistle I spoke of finishing corn planting and of going to Emporia if rain did not come. Well, we finished the corn planting on time and went to Emporia but on the night of the Emporia trip rain fell that continued nearly all the next day which was Sunday, April 30. It was one of the long drawn out kind in which it took 36 hours to produce a little more than 1 inch of moisture. In two days field work began again not to be interrupted by rain up to this date.

Our road to Emporia took us thru Hartford and from that town we angled up the Neosho River until we came to Neosho Rapids. From there we went straight north until we struck the Santa Fe trail which took us straight west into Emporia. The wheat fields on the river bottom give promise of a fine crop and the alfalfa there will soon be ready for the mower. There was no wheat on the uplands and the alfalfa on the higher ground showed a thin stand. The summer of 1915 was hard on upland alfalfa which grew on thin soil.

The oats on both upland and bottom showed a good stand and with a fair show should make a large crop. We saw but one field of broadcast oats on the round trip of 80 miles. The rest were all drilled and some had been harrowed after being drilled. I never could see the use of this; the drill should be run deep enough to cover the oats and then, it seems to me, it would be best to allow the drill furrows to fill gradually. That is the way we handle listed corn and I don't see why the same principle should not work with oats.

The wet summer of 1915 is responsible for several good things as well as a number of bad ones. It finished the chinch bugs, temporarily at least, and it thickened up the stand of prairie grass in meadows and pastures until the sod looks like it did years ago. The prairie hay crop is the nearest made of any raised here. It has a fine start on soil well filled with moisture. There is more grass starting in the pastures than in any year since 1909.

Just outside the village of Hartford I saw something I had never seen before — a pure white colt not over 2 weeks old. In fact, I have heard it said many times that there could be no such thing. I have even seen the statement made in

for 27 out of the 30 miles. The county roads were smoother and better than the much advertised trail but that was because they had not been travelled so heavily during the wet weather of April. The Santa Fe trail bore evidence of heavy car travel during a very wet time and the road drag had not been able to efface all the ruts. But even with this all the roads were good and the trip was made both going and coming without a stop or a shift of the gear lever.

I am figuring on a big corn crop this year. In this I have the authority of many farmers who think a small pig crop is sure evidence of plenty of corn. For many years—the last seven at least—we have been raising an average of six pigs to the sow but this year the average so far is not much over four. I can't see why this should be. The sows have a better place than ever and they are all in prime condition. I can account for it only according to the old sign that few pigs means lots of corn. But suppose that we have few pigs and our neighbors more than common! Does that mean that we are to have plenty of corn and our neighbors but little?

The children on this farm are happy since we went to Emporia. They now have a ball, bat, catcher's mask and a catcher's glove. Even the 3-year-old gets just as close into the game as he can and he fields his position as well as one of his age can. It comes natural for the American boy to play ball and if you can catch the Mexican, Filipino, German or English boy before he is too old and teach him how to play ball he will never take to any of the sports native to his country. Once teach a boy the great American game and there never is any other real game for him.

The work on this farm during the past week has been hauling out manure, plowing for kafir and about a hundred odd jobs. I worked all one day this week doing odd jobs around the place and at this time I can scarcely tell what I did that day. Such jobs do not show up as does field work but if one does not do them it will soon show in the appearance of the farm. There is one day's plowing left for kafir and then we shall fit the ground and plant if the weather remains

(Continued on Page 17.)



The Corn Was Top Planted on a Well Prepared Seedbed, and It Has an Excellent Chance to Make a Good Start.

## Little Visits With Mr. Case

Capper Pig Club Members "Talk Hog" to the Manager

BY JOHN F. CASE



Billy Robison with Kansas Lady and Her Spotted Prides. Bill is Assistant Secretary of the Poland Breed Club.

"MORE mail for the pig club manager," says the smiling postmistress at the Capper Building as she makes her morning visit. And usually the "more mail" means a half dozen letters from my boys. Before this contest began some persons assured me that boys didn't write letters. I wish you could see the stacks of letters in my files, every letter written by a club member, and more are coming every day. It proves that the boys are genuinely interested in the club work, and the letters are a real joy to me. I know that you will enjoy these little visits, so I'm passing some of them on to you.

"Matilda and her five pigs are getting along well," says Boyd Howell of Plains, under date of April 14. "They are very gentle and when I feed them I rub them a little and they lie down. I measured them this evening and they measure 28 inches from the nose to the root of the tail, 3 1/2 inches around the leg just below the knee, and 22 inches around the body back of the forelegs. Don't you think they are fine for 5 1/2 weeks old? Everyone who has seen them thinks they are fine. I talk Capper pig club to everyone I meet.

"I feed the sow and pigs 1 quart each of bran, shorts and chop, and all the alfalfa they can eat. I give them all the ashes mixed with salt, sulphur and coppers as they will eat."

### And Along Came Ruth.

This from Ernest Ruth of Princeton: "My sow is a registered Poland China. I call her Polly. She is the tamest sow I ever have seen. When I go in the lot in which I keep her she follows me about. I thought I would find out whether she had patience enough to follow me one evening so I ran to the far end of the lot and she trotted after me, grunting and squealing for her supper.

"I feed Polly table scraps, slop, tankage, and corn. I mix the tankage with the table scraps and slop. I believe a sow does better by feeding the slop before the corn because she will chew the corn better."

"My sow is a purebred Poland China and I take much pride in showing her to everyone who comes to our place," writes Vernon Foster, of Harper. "They all think she is a fine prize sow.

"I now have six pigs and they are the finest in Kansas. There are two males and four females. When the pigs go to eat, the mother roots them out of the trough and then they squeal and go to the other end. They are so tame when I rub them they lie down and grunt. They run in an acre of alfalfa and when it is wet they get all wet and their noses get pink.

"My sow had eight fine pigs March 11. Every farmer who has seen them says they are fine pigs and lively," says Fred Hartwell of Goodland. "I am expecting to visit the boys of Wallace and Logan counties as soon as school is out."

### She got a Shower Bath.

"I think I have the best and smartest sow in the club," says Robert Osborn of Cunningham. "Mama was washing one day and after she had rinsed the clothes, Queen pulled the stopper out of the tub and let the water run over her back. I guess she wanted a shower bath. Queen is a Duroc-Jersey sow. I am in the hog business to stay. Three cheers for the Capper Pig club!"

"I read of Theodore Burge's loss and he certainly has my sympathy and the sympathy of all the club members," says Ray Jones in a letter written in March. "I also read of Ira's misfortune but all the help and advice I can give him is to buy a Hampshire sow next time.

"Katie and I had a little misfortune five days after the pigs came. We lost the small pig so that leaves us 10 all the same size. We weighed the pigs when they were a month old and they weighed an average of 18 pounds each. Everyone that sees them says they are the evenest bunch of pigs he ever saw."

Accompanying the picture sent in April 26, Ray says this: "From the picture you would think three of the pigs are runts, but they are not. The wind was blowing and must have jarred

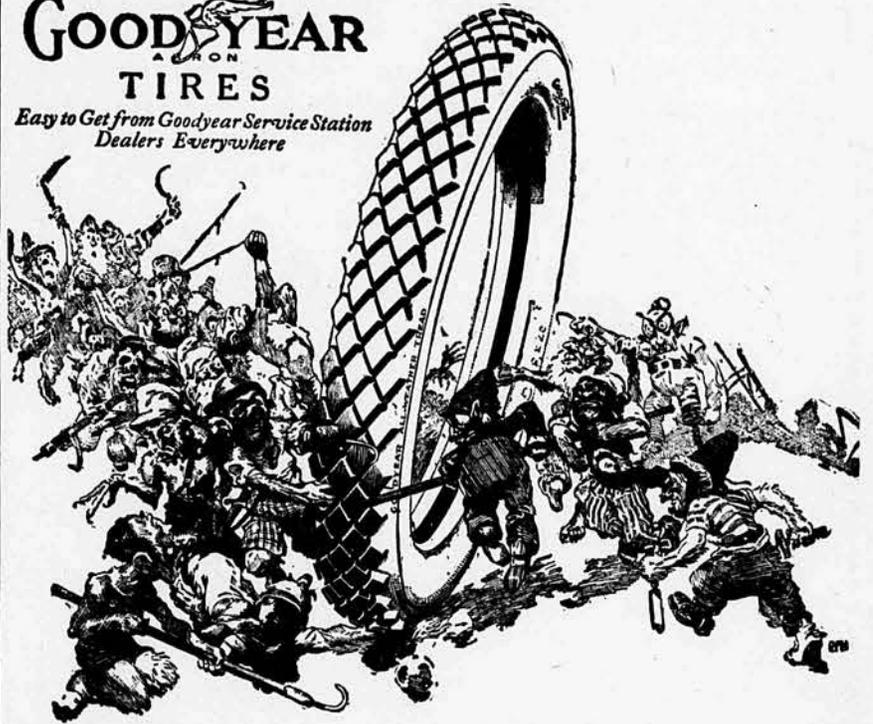
(Continued on Page 17.)



Ray Jones, Katie and Ten Hardy Hampshires of the Quality Kind. Ray is Secretary of the Hampshire Breed Club.

# GOODYEAR AKRON TIRES

Easy to Get from Goodyear Service Station Dealers Everywhere



## Road Shocks Can't Tear These Treads Loose

Isn't it a fact that you rarely hear of loose treads on a Goodyear Tire?

That is largely due to the unique Goodyear method of joining the tread to the carcass of the tire.

Every turn of a tire in action subjects the tread to the attack of mighty forces which seek to tear it away and destroy it.

It is pulled this way and that, by the driving effort.

It is rubbed and scraped when you put the brakes on suddenly and hard—as often you must.

It would cry out in protest, if it could, every time your car rounds a corner.

The tread cannot absorb these tremendous strains. It passes them on to the fabric.

And unless the tread is a perfect unit with the carcass of the tire, tread separation soon comes and the tire is done for.

The Goodyear breaker strip is made from a specially woven, porous fabric.

When the vulcanizing process is under way, the rubber of the tread crowds through the little spaces in the fabric and unites with the rubber in the carcass.

The rubber, forced through these holes under the tremendous air pressure of the exclusive Goodyear On-Air Cure, forms into many tough rivets, and these rivets literally clinch or weld the tread to the carcass.

And what is the net result of these seemingly insignificant Goodyear features?

Why, simply this—that loose treads on Goodyear tires are practically unknown.

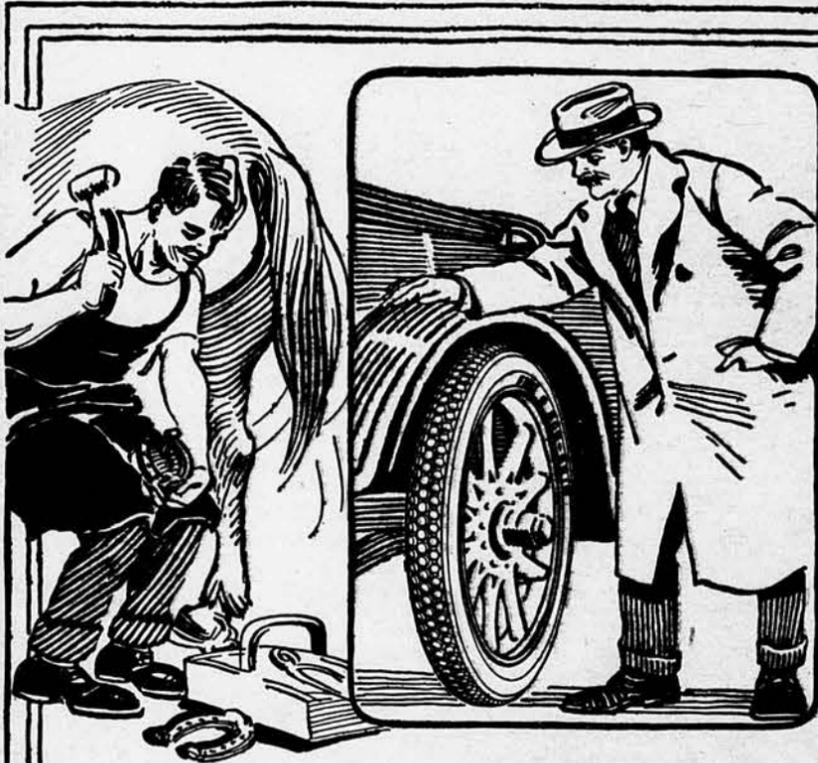
In almost every instance the tread on Goodyear Tires will wear down to the breaker strip, and through it, without splitting open.

This is one of many reasons why Goodyear owners ride with an easy mind.

They know, also, that Goodyear No-Hook Tires are fortified against rim-cutting by our No-Rim-Cut feature; against blow-outs by our On-Air Cure; against insecurity by our multiple braided piano wire base; and against puncture and skidding by our double-thick All-Weather tread.

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**The Goodyear Tire & Rubber Company**  
Akron, Ohio



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—for the same reason you  
sharpshoe your horse

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*The price of Fisk Non-Skids is no more than the plain tread styles of many other makes—no tire is a higher quality or will give you greater mileage.*

### And In Addition To All That There Is Fisk FREE Service

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### Chicopee Falls, Mass.

*Fisk Dealers Everywhere — Fisk Service Branches in Wichita, 219 S. Lawrence Ave.—Kansas City, Mo., Grand Ave. & 20th St.—St. Joseph, 811 Francis St.—Oklahoma City, 211 W. First St.—The Fisk Co. of Texas, Dallas, Commerce & Harwood Sts. More than 100 Branches cover the United States—write for complete list.*



## More Soil Humus is Needed

### A Larger Acreage of Green Manure Crops Should be Planted

BY F. B. NICHOLS  
Field Editor

**O**RGANIC matter, or humus, is the limiting thing in crop yields on many Kansas soils in the eastern part of the state, and on much of the land in the western part. A high humus content is necessary in a fertile soil, and one must guard this point carefully if the yields are to be maintained. One-crop grain farming has much depleted the content of decaying organic matter on most fields, until in many cases the yields have gone below the cost of production.

It is only necessary to study the disgraceful average corn yield in Kansas for the last 10 years, which is 19.9 bushels, for one to see that something is wrong. When it is considered that the average yield from 1875 until 1890 was more than 41 bushels it becomes evident that the situation is serious. The soil fertility problems of this state must be solved if farming is to continue to be profitable.

If the content of humus in these soils had been maintained at the point it was when the land was broken, there would not have been the great decline in yields. The crop producing power of a soil depends greatly on its humus content. If the supply of organic matter can be increased the yields and profits will become larger; therefore it is quite important that more consideration should be given to the humus content.

Plow under every scrap of vegetable matter which can be obtained. Haul out all the manure just as soon as possible. If the straw is not needed for food or bedding, and this is true on many farms in central and western Kansas, it should be hauled out at once. It ought to be made a crime to burn straw, for if one does this he is burning material wealth just as surely as if he set fire to the grain that was threshed from the straw.

But even if all the available vegetable matter is plowed under, there frequently will be a deficiency of humus. When this is the case a green manure crop should be employed to increase the humus supply. This is a source of vegetable matter for the soil that has not been considered enough in Kansas. The rapid decline in the humus content has made it essential that more attention should be paid to the green manure crops.

Cowpeas is one of the best green manure crops for Kansas, largely because it does well and also because it will add nitrogen as well as humus. It may be used as a catch crop after wheat with special profit. The cost of putting in cowpeas in this way on the college farm at Manhattan has averaged about \$3 an acre, according to L. E. Call, professor of agronomy. In speaking of this use of cowpeas a few days ago, he said:

"There is an important place for a great extension in the acreage of cowpeas in Kansas. When the livestock is available, however, it is better to use them as a feed for the stock, and to carefully return the resulting manure to the soil. If the livestock is not available the crop may be plowed under."

Rye and cane also are employed as green manure crops, and with good results, too, except where the soil is somewhat inclined to be acid. There is a considerable formation of organic acids

when these substances decay in the soil, so if there is a tendency toward acidity anyway it is much better to use cowpeas.

But why should these crops be grown? What is the reason for the effort to increase the supply of material to decay? Well, it relates quite largely to its effect on the physical conditions of the soil, and to the effect on the other plant foods. For example, the application of raw rock phosphate to fields low in organic matter gives but very poor results, as has been demonstrated on many hardpan farms in southeastern Kansas. But across the fence on another farm where the owner has paid attention to maintaining the content of organic material in his fields good results are obtained. The difference is in the way the rock phosphate is acted upon after it is applied; it always should be used in connection with green manure crops or barnyard manure unless the land is especially high in organic matter.

One thing that has held down the increase in the use of cowpeas in soil improvement has been the high cost of the seed. The only way to solve this problem in Kansas is by growing more of the seed on the farms where it is planted; in other words we must come to depend more and more on ourselves for the seed. A community pea thresher may be purchased cheaply, which will harvest this crop without splitting the seed.

Profits may be increased if a larger supply of decaying vegetable matter is provided for the soil. Green manure crops have an important place in Kansas for this purpose. An increase in their use would be a desirable thing in the state's agriculture.

### At Manhattan, June 9

One of the big livestock events of the year will take place June 9, when the Kansas State Agricultural college will be host to hundreds of livestock farmers and others at the annual meeting in Manhattan. P. W. Co-burn of Kansas City, Kan., president of the largest bank in the state and president of the National Bankers association, is on the program for a talk on "Financing the Cattleman." W. R. Stubbs, former governor, will speak on "The Relation of the Range Cattle Business to the Feeding Industry."

From outside the state will come Charles F. Curtiss, director of the Iowa Agricultural Experiment station and dean of agriculture in the Iowa State college. Arthur Capper, governor, has been asked to preside at the conference. Local speakers will include Dr. H. J. Waters, president of the college; W. M. Jardine, dean of agriculture; W. A. Cochel, professor of animal husbandry; and others.

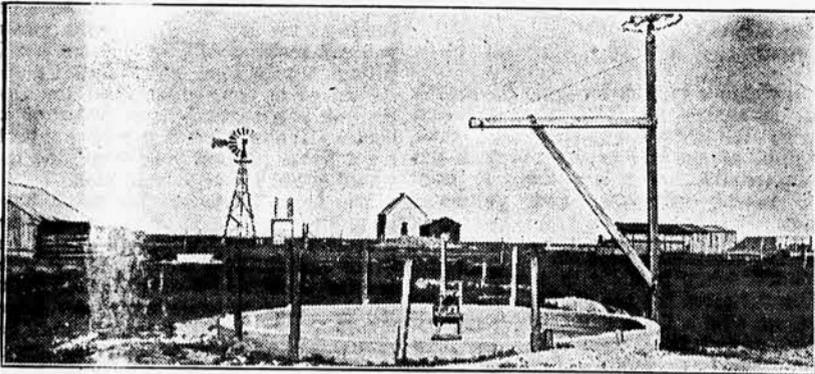
Results will be presented of tests made at Manhattan in feeding 100 calves to make yearling beef. These tests are to show a comparison between shelled corn and ground corn and corn and cob meal, between ground kafir and ground corn, and between kafir heads and ground corn and corn and cob meal. The effect will also be shown of adding silage to a ration of corn, cottonseed meal, and alfalfa hay.

A fanning mill on the farm soon pays for itself in grading up seeds.

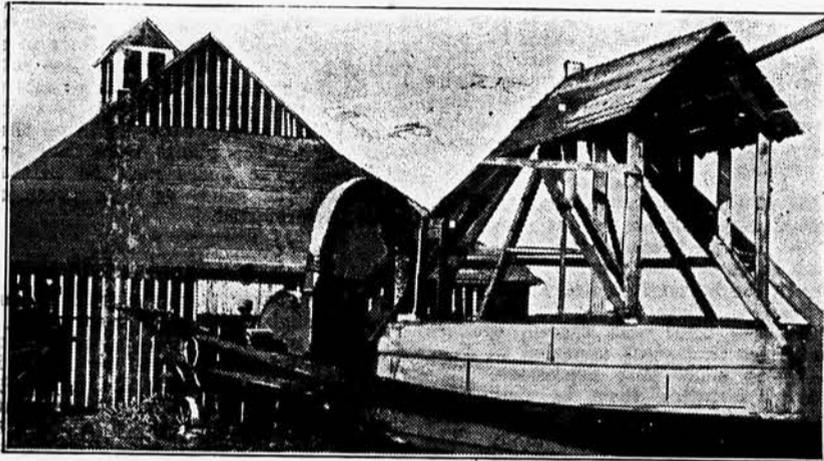


More Pea Threshers Like this are Needed in Kansas in Harvesting Cowpea Seed for Soil Improvement.

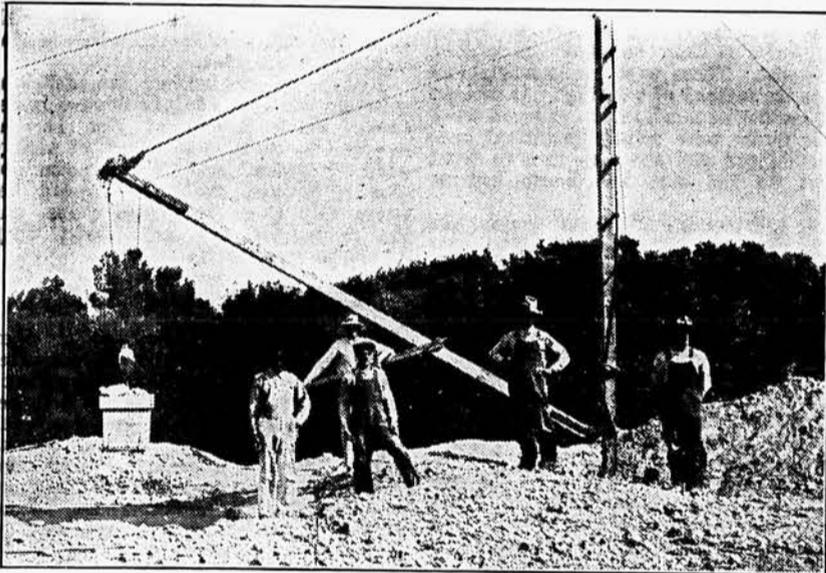
### Kansas Needs Pit Silos



Pit Silos Have Done Much to Make Farming in Western Kansas More Profitable—a Great Extension in Their Use is Coming.



Filling a Pit Silo; This Has a Metal Top, and a Good Hoisting Device to Use in Lifting the Silage.



Digging a Pit Silo; This Work Can be Done Rapidly and Efficiently, at a Rather Low Cost for the Storage Space Obtained.

PIT SILOS have done a great deal to make the farming in Western Kansas more profitable. Almost all of the silos which have been constructed there have paid, and a great extension is coming in their use. This movement has been held back somewhat in the last two years because of the large crops of forage which have been produced. Even at that the state as a whole has been building silos at the rate of eight a day. A great many of these have been pit silos in the western third. There will be a rapid increase in the number of pit silos the first season that dry weather comes. There is, of course, also a large place for the above ground types of silos in Western Kansas.

### Farmers' Clearing House

"The farmers' clearing house" is the newest institution which has been established on the government's irrigation projects in the West. According to one of Uncle Sam's engineers, who has observed its working, this so-called clearing house will put an end to the accumulation of old agricultural machinery and other unused articles around the farm, as well as assist the farmer in finding a market for any of his products which he has not managed to sell by other means.

The department of agriculture has detailed farm advisers to assist the farmers in the development of their work. The plan is that each of the farm advisers should, by telephone or other means, learn from the individual farmer on the reclamation project just what products or farm machinery he

has on hand and wishes to dispose of. These items are then listed whether they be in terms of boxes of apples, registered hogs or pieces of farm machinery which have been replaced by other equipment. Each farmer is expected to make returns once a month, and the monthly lists are posted at reclamation service headquarters for the information of each man on the project.

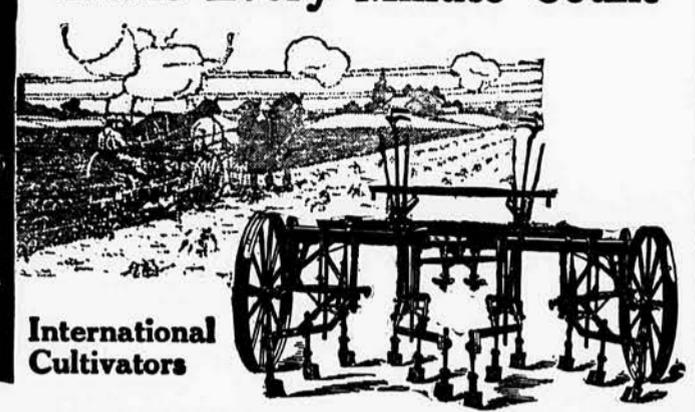
The farmers' clearing house plan is based on the idea that "it pays to advertise."—Erie, (Pa.) Dispatch.

I do not want to be without the Farmers Mail and Breeze, as it is the best farm paper in the United States.—John Harshbarger, Lucas, Kan.

I think a great deal of your papers, as they are clean of all trash.—O. C. Hartwell, Holly, Colo.

WON HIGHEST AWARD  
PANAMA-PACIFIC INTERNATIONAL EXPOSITION  
SAN FRANCISCO

## Make Every Minute Count



### International Cultivators

**ARE** you farming large fields of corn? Is labor scarce? Do you have to pay high wages for it? Do you ever have backward seasons when every minute of good cultivating weather is precious? If you have any of these conditions you need an **International two-row cultivator**. With it, one man can do as much work as two without it, and in half the time.

The two-row cultivator has the **International parallel gang** movement which, once familiar to a corn grower, always sends him back for an **International** when he buys a cultivator. Each gang has a separate adjustment for depth. Each gang, or each pair of gangs, can be raised or lowered independently. The clearance space is unusually high, because the strong U-section steel frame needs no truss. You change your arch widths without using a wrench.

The full line of **International cultivators** includes walking, combination, side-hill, and riding one-row cultivators, besides the two-row described above. Ask your local dealer to show you these cultivators, or write us for catalogues and complete information. Do not buy a cultivator almost as good when you can get the best. Write us to the address below.

**International Harvester Company of America**  
(Incorporated)

CHICAGO
USA

Champion Deering McCormick Milwaukee Osborne Plano

[THE RETIRED FARMER LOOKED MANY YEARS FOR THE REAL TOBACCO CHEW.]

JUDGE, I TELL OUR FRIEND THAT A CHEW OF TOBACCO LOADED WITH MOLASSES AND LICORICE WONT LAST AS LONG EITHER.

THIS IS WHAT I'VE BEEN LOOKING FOR--A LITTLE CHEW THAT WILL SATISFY IT HAS A REAL TOBACCO TASTE.



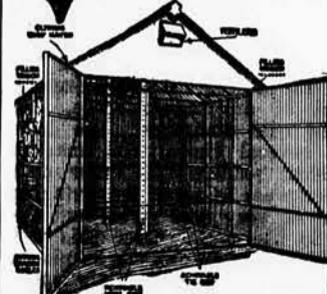
**A** MAN is so tickled when he gets the small chew of **W-B CUT Chewing—the Real Tobacco Chew, new cut, long shred**—that he wants all his friends to get the comfort of it, too.

That's why so many men are telling friends to get **W-B CUT Chewing—new cut, long shred**. It satisfies you better, lasts you longer.

Made by **WEYMAN BRUTON COMPANY**, 50 Union Square, New York City

## Get 10c to 30c More Per Bushel

**T**HE habit of selling your grain as soon as harvested costs you 10c to 30c a bushel. Store it and sell when the market is up. Store it in a





### Steel Grain House

The extra profit on one year's crop will more than pay for Stefcos. When not in use as a grain house it can be used as a garage, implement house, wagon shed and for other purposes. Heavy steel frame rigidly braced, corrugated, galvanized sheet steel sides. Easily erected in half day—bolts together, no riveting. Standard size—10 feet wide, 15 feet long, 8 feet to eaves, capacity 1000 bushels. Additional 5-foot sections may be had to make any length house desired. Fire-proof, vermin-proof, wind-proof, water-proof.

Write for Fully Illustrated Circular No. 6  
Steel Fabricating Company Chicago Heights, Illinois

When writing to advertisers please mention Farmers Mail and Breeze.

### The New Freedom

No more the Monday morning air  
Transmits the rub-a-dub  
That used to echo everywhere  
From washing-board and tub.  
And mother doesn't have to strain  
Till heart and muscles ache  
Or bravely suffer with the pain  
Of nerves about to break.

No longer are we forced to climb  
From bed before the sun  
In order that we'll have the time  
To get the the washing done.  
So sister gets her beauty sleep,  
And to her great delight,  
She has no trouble now to keep  
Her fingers soft and white.

And I have far more time to burn  
Than ever heretofore,  
Because I do not need to turn  
The wringer any more.  
For all these things, you understand,  
We're doing by machine  
Since father bought an engine and  
A tank of gasoline.

—R. T. Strohm in Gas Review.

### Father and Son

We talk of the influence of a good mother on the life of her son; but a good father is of equal or greater importance. A father knows more of the real problems that will confront his son; some of the lessons instilled into a boy's mind by his mother are too sentimental, and he finds it necessary to unlearn them.

I often think, with as much fairness as I can command, that had my father taught me properly, I might have avoided some of the gravest mistakes of my life. Much that I did not know until I was thirty—much that I was compelled to learn for myself, as the result of humiliation and injury—he might have taught me without much trouble to himself. He taught nothing except religion; the simple and important amenities of life he thought little of, and practiced few of them. And his conception of religion was keeping it of hell. He had the false notion that sin was alluring and pleasant, instead of the nasty thing it really is. He used tobacco himself, but didn't tell me the folly of it; he let me believe it was a pleasure he denied me. And of course I learned the habit, and have regretted it ever since. He was a good-natured man away from home, but around our house he was a glum avenger, and always had a stick handy for instant use. I may have been worse than other boys, but don't believe I was.

If this should meet the eye of a father of young boys, I hope he will think over the necessity of directing them in such a way that they will think of him gratefully and affectionately in manhood. Boys do not object to teaching if it is offered in the right way. A thing I greatly admire is real affection between father and son; and it is, I am ashamed to say, unusual. Every man knows how important a little common sense is, and should not neglect to give his sons the benefit of the little he possesses. A son who has not been properly taught by his father has a grievance he will never forget.

Ed Howe.

### A Special Kind

The American truth teller was in form. "Talking of Ants," he said, "we've got 'em as big as crabs out West. I've seen 'em fight with long horns, which they use as lances, charging each other like savages."

"They don't compare with the ants I saw in the East," said an inoffensive individual near by. "The natives have trained them as beasts of burden. One of 'em could trail a ton load for miles with ease. They worked willingly, but occasionally they turned on their attendants and killed them."

But this was drawing the long bow a little too far.

"I say, old chap," said a shocked voice from the corner, "what sort of ants were they?"

"Elephants," said the quiet man.—London Tid-Bits.

### Try This Spice Cake

This spice cake recipe was once given by Mrs. Roosevelt to a Ladies' Aid society that was getting up a cook book. Cream together 1 cup of butter and 2 cups of sugar. Drop in 4 eggs, one at a time, and beat thoroughly, then add alternately a little at a time 1 cup of sweet milk and 4 cups of flour. With the last cup of flour sift 2 teaspoons of baking powder, 1 tablespoon of cinnamon and 1/2 teaspoon of nutmeg. Bake in a moderate oven and frost with white frosting. Finney Co., Kansas. Mrs. F. E. G.

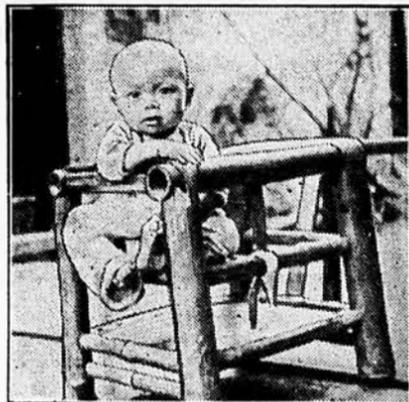
## Cherry Prospects Are Good

### The Oren Method is Best for Canning this Juicy Fruit

BY MRS. C. F. THOMPSON,  
Jefferson County

IT MAY be a little early to tell what any crop will be, except the minus quantity peach crop, but the prospects for a good crop of cherries are the best we have had in years. We had few cherries last year and most of them were wormy.

A friend in Manzanola, Colo., writes that her county is the one place in the United States where cherries always are free from worms. We cannot boast of fruit that requires no sorting. For this reason, we never like a cherry-stoner tho its use would save much time. We seed every cherry by hand and keep a



Chinese High Chairs are of Bamboo.

careful watch for worms. Cherries have so much acid they must not be canned in tin so we use glass jars.

The best cherries in color and flavor that we have had were cooked in the jars in the range oven. The pitted cherries were placed in the jars and the juice that had been made into a boiling sirup was poured over them. Lids were left unscrewed until the fruit was cooked. We feel safest in oven canning when we start the heating with jars set in a pan containing some water. The first week in June usually finds us canning cherries. We have pickled some previous to that date. Some women would call them cherry-olives. Cherries that are just beginning to redden are soaked for a day or two in brine, then sealed in boiling vinegar that has been much diluted.

We have been trying a small brooder for our first hatched chicks. We have the type with the lamp encased in metal and set in the center. Hover and all were placed in a big piano box and the floor covered with sand and broken straw. This is only a temporary arrangement as we are putting a cement floor in the chick's house. The brooder has worked well so far. The silly little chicks required hand placing under the hover for more than a week, however. The rainy, chilly weather is disastrous to young chicks, we have lost only four or five out of 140. Our losses may increase when the chicks begin to roam. It has been our experience, however, that chicks raised without hens will run to their boxes or houses for shelter when rains begin, while those with the hens will crouch under her wings as she sits in a stream of running water. Neighbors tell us their hens start off in the morning with 20 or 30 little chickens and return in the evening with six or eight. Crows and hawks are everywhere on the watch for the little flocks. As a guard against these enemies, our old mongrel dog is more useful than the neighbor's hounds.

An inexperienced person might think croup associated only with winter weather but the worst case we ever had came one raw, chilly Memorial Day. We telephoned the doctor the other evening on account of an extreme case. He advised the cold compress. We have tried this several times with marked success. Most readers will know that the cold compress is made by wringing a cloth out of very cold water and applying it to the neck. Over this wet cloth, a wider, thicker dry one is placed in such a way as to completely cover the wet one. We have used this a good many times for sore throat. We hope the anxious mother, frightened by the

croupy child's terrible struggle for breath will remember the cold compress and try it. We know a woman of more than 60 years of age who is not free from the croup trouble. For her, there is only one remedy—sorghum and powdered alum.

It is sometimes a problem for a mother to know what to do with a small child while she cares for her garden. Not long ago, we saw a little child, too young to walk, seated in a wash tub. He was happy and busy, pulling grass and swallowing it down. A taller enclosure is not very satisfactory as the youngster must either stand or be unable to see anything. A recent magazine shows a seat for the child with a part enclosed on a level with his hands in which his play things are placed. This seems a little safer than some of the swinging chairs we have seen. The Chinese have a high chair that is not high, made of bamboo and easily carried around from one place to another.

One of our friends who has carefully trained her children in the way they should go, with special attention to table manners, came home from a three weeks stay in the hospital to find them young barbarians. They rushed to the table before the meal was served, grabbed the things that most appealed to them and were noisy past expression. The task of restoring them to civilization looked hopeless as there were several besides the family at the table. The idea came to her to serve lunch in the youngster's play house. The excellence of the desert depended upon the conduct during the lunch. The children enjoyed setting the table and learned the proper placing of knives, plates, spoons and forks as they would not have done otherwise. There were credit marks and demerits instead of scoldings. It pleased the mother as much as the children when their faults were merely the usual ones of childhood and she was free to treat them to the best the house had to offer.

We tell this friend's experience for the suggestion it contains. We often have found company an excellent help in moderating and keeping children quiet at the table. One will find a guest once in a while however, whose manners call for some rather embarrassing explanations afterward. As a general rule, we believe example is more powerful than precept. We saw an elderly woman resting both elbows on the table while she was scolding her adopted child for the same performance. We thought she was making more than one mistake. There are many grown men and women who can well remember the heartaches experienced when parents criticised them before guests.

### Have You a Porch Box?

BY MARY CATHERINE WILLIAMS

Plan some porch boxes for this summer. No city home is considered complete without this attractive bit of decoration, and there is no reason why



An Oriental Rocking Horse.

country homes should not have them also. You can set any kind of flowers in them you please, tho geraniums probably are the most satisfactory. The plants that have done duty in the house all winter will thrive on the porch and bloom thruout the season. Do not plant more than one color in the same box un-

less you wish to put red and white ones together. Wandering Jew, Sword ferns or sweet alyssum will be pretty set between the geraniums and will droop down over the sides of the box in a most pleasing manner. If you have nasturtiums already planted in the garden, you can make a delightful porch box by filling it with some of the small plants. Be guided in your selection of the flowers for the boxes by the color of the house. White blooms would be better for a house painted yellow or blue than would bright red or salmon pink.

The best dimensions for porch boxes, according to M. F. Ahearn, associate professor of horticulture in the Kansas State Agricultural college, are 6 inches for the depth and 6 or 10 inches for the width. They may be made any desired length to fit a given space. Bore several holes in the bottom of the box for drainage and fill the lower part to a depth of 1 1/2 inches with rough material such as pieces of sod, rotted manure, small clods or stones to permit the water to escape freely and prevent souring of the soil. The boxes may be made to sit on a porch railing or on the floor if no railing is used. Many women like rollers on the boxes so they can be moved around easily when the porch is to be cleaned or a strong wind comes up that might break the plants were they not sheltered. The boxes may be painted to match the house or dark green or white, as preferred.

### At Strawberry Time

For strawberry shortcake make a good biscuit dough using 1 cup of milk, 6 teaspoons of melted lard, 2 teaspoons of baking powder and flour to make it stiff enough to roll out. Roll about 1/2 inch thick, cut with a round biscuit cutter and lay the pieces in a slightly greased pan. Spread the tops lightly with melted butter and lay a second round of dough over the first. Bake in a quick oven, then split with a sharp knife and cover each layer with crushed and sweetened strawberries. Serve with whipped cream with several whole berries on top for a garnish.

Strawberry sandwiches are delicious when an especially dainty dessert is desired. Mash 1 cup of ripe berries, sweeten to taste, add 1 cup of stiffly whipped cream and 3 teaspoons of chopped English walnuts. Spread between thin slices of sponge cakes. As the sandwiches are quite soft, they should be served with a fork.

### Get the Rose Jar Ready

Gather petals for your rose jar when the flowers are in full bloom and after the dew has dried in the morning. Pack the petals in a jar in layers 2 inches deep with a sprinkling of salt over each layer. Add a layer a day till the jar is full. Keep in a dark, cool, dry place for a week, then loosen the mass and mix thoroly with 1/2 ounce violet sachet powder, 1 ounce powdered orris root, 1/2 ounce heliotrope sachet powder, 1/2 tablespoon of mace, 1/4 tablespoon of cinnamon, 1/2 teaspoon of cloves. Let the jar stand two weeks to ripen. It should retain its fragrance for 20 years if it is kept covered. Mrs. H. B. H. Arkansas.

### Girls Like to Debate

Debating has become very popular among the girl students at the various Kansas colleges. Intercollegiate debates between girls' teams are almost as common as debates between men students. A debating scholarship of \$100 is now to be offered to the girl students of the Kansas State Agricultural college at Manhattan. This scholarship will be awarded to the girl making the best record in inter-collegiate debating next year. This puts debating for girls on the same basis as that for the men.

When beating eggs separately leave the yolk in half of the shell, beat the white stiff, then drop in the yolk and beat again. The work will be better done, there will be no extra dish to wash, and none of the yolk will be lost by sticking to the dish or to the beater.

Cheese will keep fresh for a long time without molding or drying out if it is wrapped in a cloth wrung out of vinegar and put in a cool place.

Pour scalding water over onions when they are peeled. The skins will come off more easily and there will be no smarting of the eyes.

**Lost Opportunities**

BY CARRIE MAY ASHTON.

"Come on with me while I do some errands and enjoy this glorious morning sunshine," called a friend one morning after a beneficial rain which had refreshed all nature and mankind.

"Wait until afternoon and I'll be glad to go," returned the housekeeper. "My work isn't done up and there are a dozen and one things waiting for me to do."

"Leave them, as I have, to take advantage of this heavenly morning, and you'll feel all the better and more able to do them this afternoon," rejoined her friend. "Impossible for me to postpone my errands," and she drove away.

"Stack up your dishes and come out for a spin with me," urged the same woman's husband after the mid-day meal. "The day is too fine to stay in."

"Leave this house looking this way!" exclaimed the wife, with a frown on her face. "My New England conscience would not permit me to gad about until my house is in perfect order. The thought of someone's being brought home sick or dead would haunt me."

A frown passed over his face and muttering under his breath, he slammed the door and went out in the yard.

"Complaining half the time and working herself half to death, besides being shut up in a stuffy, hot house, is enough to make any woman cranky," he continued to himself, as he drove away.

"Did you ever stop to think, Elizabeth, that you might be driving John away from you and his home?" questioned a sweet-faced, silvery-haired woman, later in the day.

"Guess I'd drive him still farther if I didn't keep up my end of the house-keeping," muttered Mrs. John to herself.

"You're losing a lot of opportunities every day of your life that will not return to you," the friend continued. "Suppose you had gone with Mrs. Smith this morning, or John this afternoon. It would have brushed the cobwebs out of your tired brain and would have freshened and brightened and cleared the whole household atmosphere. Whereas your not going has made every one glum and gloomy—yourself most of all."

**Use Stripes for Trimming**

An attractive combination of plain and striped materials for a little girl's dress is shown here. The stripe is used for belt, revers, cuffs and a facing around the bottom of the skirt. The pattern, No. 7670, is cut in sizes 2, 4 and 6 years. Age 4 requires 1 1/2 yards of plain mater-



7670

ial 36 inches wide and 1/2 yard of striped material the same width. It may be ordered from the Pattern Department of the Farmers Mail and Breeze, Topeka, Kan. Price 10 cents.

**To Cut a Hole in Glass**

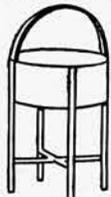
Do you ever care to bore a hole in a piece of glass? I have lots of times. Here is an easy and quick way to do it. Press a piece of damp putty, clay, mud or wet dough on the under side of the glass, extending quite a bit beyond the edges of what is to be your hole. Put a second piece on the upper side directly opposite the first. With a sharp pointed instrument such as a nail or slate pencil, bore a hole the size you wish the one in the glass down thru the wet material. Make one on the opposite side directly beneath the first so that you

may look thru the glass at the exact point. Clean the glass well at the bottom of the cavity and be sure that it is dry. Have the edges of the mud clean cut, for on this depends the nicety of your finished work. Now melt a bit of lead and drop it into the opening. The glass will drop out leaving the desired hole. Boiling sugar sirup or boiling jam dropped into the hole should do the work almost as surely as the lead. Have the glass and the mud cold for it is the sudden change in temperature that does the work. The mud prevents the heat from striking the glass in the immediate neighborhood of the hot substance, therefore only that part which it touches drops out. It is said that a sheet of glass may be cut in two parts very accurately and smoothly by spreading mud all over it and drawing a red-hot wire thru a furrow left where the glass is to be cut.

Boulder, Colo. Jennie E. Stuart.

**Make a Porch Work Box**

This sewing stand is handy to carry to the porch or about the house. I have made and sold them for \$1 each. Get a wooden cheese box from the grocery store. The smoother the wood the better. If the box is greasy, scrub thoroughly with strong hot lye water. Wipe dry, put lid on, and dry in the shade. Cut off a strip around the top 1 1/2 inches deep for a handle. If the box is still too deep, draw a line around it marking the desired depth, and cut off



with a fine-bladed saw. Nine inches is the best depth. Take off the lower hoop and put more nails in rim, 1 to 2 inches apart. Shingle nails are best. Sandpaper the box outside and in, and along the top edge where it has been sawed. Cedar is a good material to use for legs, as it does not split easily. Cut four strips 18 inches long, 1 inch wide and 1/2 inch thick for legs, and two strips 12 inches long, or the diameter of box, for crosspieces. Mark off the box at both lower and upper edges into four equal parts, commencing at the seam. Place the legs on these marks, fasten at top and bottom with screws. Fit the two 12-inch lengths together in the center by cutting out a piece 1 inch wide and 1/4 inch deep from each. Fasten together with brass screws, and nail to the legs 5 1/2 inches from the bottom. Three inches from top of box bore or burn holes thru two opposite legs, going thru both legs and box. Soak in water the strip of wood cut off for the handle, straighten slightly, and cut off about 6 inches. When thoroughly dry, sandpaper, bore a hole 1 inch from each end, and fasten to the box with small bolt and nut. If a lid is desired, use a round board a little larger than the box and 1/2 inch thick. Cut off 2 inches more from the top of box and nail to the round piece, opening the seam and fastening together with tacks, clinching them well. The stand may be stained, varnished or enameled white. Cut a piece of pasteboard to fit inside at the bottom, and cover with silk. R. B. Pasadena, Calif.

**Borax for Beauty**

A can of borax should have a place in every bathroom. A thin film of soap often is left in and over the pores of the skin after a bath. If borax is used in the bath water it will dissolve the soap so that it can be rinsed out of the pores quickly and easily leaving the skin hygienically clean. If the skin has a tendency to oiliness a little borax should be added to the water in which face and hands are washed every morning. Borax in the bath water removes all odor of perspiration.

**Instead of Blacking**

If you cannot keep the top of your steel range black with stove polish, try paraffin. Do not put on too much or it will smoke. Use a small paint brush for applying it. This is much better than ordinary blacking.

Reno Co., Kansas.

Old putty can be removed from windows by passing a red-hot poker slowly along it.

**FILM DEVELOPED FREE.**

First roll of films for new customers. Best of work. J. C. Wolcott, Topeka, Kan.—Advertisement.



**Knox Strawberry Bavarian Cream**

1/2 envelope Knox Sparkling Gelatine. 1 tablespoon lemon juice. 1/4 cup cold water. 1/2 cup sugar. 1 cup strawberry juice and pulp. 1 1/2 cups heavy cream, beaten until stiff.

Soak gelatine in cold water five minutes, and dissolve by standing cup containing mixture in hot water. Strain into strawberry juice mixed with lemon juice. Add sugar, and when sugar is dissolved set bowl containing mixture in pan of ice water and stir until mixture begins to thicken; then fold in cream. Turn into wet mold lined with strawberries cut in halves, and chill. Garnish with fruit, selected strawberries and leaves. A delicious cream may also be made with canned strawberries.

**KNOX SPARKLING GELATINE (Granulated)**

is used by millions of wise and thrifty housewives to create a variety of Desserts, Salads, Puddings, Ices and Candies.

A package makes four pints; four times more than "flavored" packages.

How to make the most delicious desserts and tempting dishes is explained fully in our

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Sent FREE for your grocer's name. Enclose 2c stamp for a pint sample.

Chas. B. Knox Co., Inc. 434 Knox Ave., Johnstown, N. Y.



**BINDER TWINE**

Factory To Farm Quality Guaranteed. 27th year. Quick shipments. Write for free samples. Wholesale price. AUGUST POST, Box A, Moulton, Iowa

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Prevent disease by killing all vermin, parasites and germ laden flies on your farm—in your stables, hog houses, chicken sheds, by using

**CAR-SUL** "The Universal Dip and Disinfectant" Has a hundred and one uses about farms or home.

GET A CAN TODAY from your Drug or Hardware store. If they can't supply order direct. \$1.25 a Gal. or \$5.00 for 5 Gals. Prepaid. Moore Chemical Co., Kansas City, Mo.



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Placed anywhere, Daisey Fly Killer attracts and kills all flies. Neat, clean, ornamental, convenient, and cheap. Lasts all season. Made of metal, can't spill or tip over; will not soil or injure anything. Guaranteed effective. Ask for

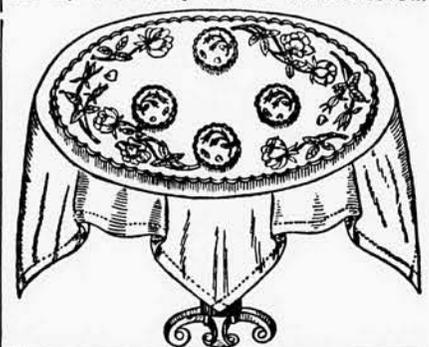


**Daisey Fly Killer**

Sold by dealers, or sent by express, prepaid, \$1.00 HAROLD SOMERS, 160 DeKalb Ave., Brooklyn, N. Y.

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This dainty table set was designed especially for our use. The set consists of one large cloth 40 by 40 inches, with a beautiful design stamped on it, all ready to be embroidered.



**SPECIAL**—A complete set embroidery lessons showing illustrations of all the important stitches will be given with each table set.

There are also four doilies of the same design to match. The set is a splendid quality of tan Mexican cloth, tinted in natural colors. We have purchased a limited number of these sets and will distribute them among our readers while they last on an unusually liberal offer.

**OUR GREAT OFFER**

If you will send us only one subscription to The Household for a period of one year and 25 cents to pay for same and five cents extra to cover cost of handling and mailing—30 cents in all—we will send you one of the 5-piece table sets by return mail free and postpaid. You may send your own subscription, or that of a friend if you wish. Renewals will be accepted on this offer.

THE HOUSEHOLD, Dept. TS-11, Topeka, Kansas



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WE WILL send The Topeka Daily Capital to readers of Mail and Breeze until December 1st, 1916, for only \$1.50. This is a special reduced price to new subscribers only and readers should take advantage of this exceptional rate to keep in touch with the political events of the state and nation. The campaign of 1916 will be an exceedingly lively and exciting one and every patriotic person should take advantage of this special offer to receive the Daily Capital, containing all the news worth while, for more than six months for only \$1.50.

Send in your subscription NOW so that you may derive the full benefit of this special short time offer. Sign name below and mail to the Daily Capital today.

Daily Capital, Dept. M. B., Topeka, Kansas. Gentlemen: Enclosed find \$1.50 for which please send me the Daily Capital until December 1st, 1916, as per your special campaign offer.

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Peaslee-Gaulbert Co., Inc., Dept. 33  
Established 1867 Louisville, Ky.

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BY USING THE Fisher RIM-GRIP SUB-CASING

YOU CAN ADD 2,000 TO 5,000 miles extra service to many tires which you now throw away.

The cost of a Fisher Sub-Casing is about one-third the cost of a new tire. The same Sub-Casing can be used to wear out several old tires. Because the flexible steel rims (marked "B") are endless and are made conical to fit against the inside of the outer tire at the bead. Steel rims ("B") are low rim-cut ("E") therefore there is no chance for the Sub-Casing to be forced through the rim-cut.

A postal card to any of our three factories will bring you complete information. Made only by FISHER MANUFACTURING COMPANY 1533 N. Street Lincoln, Nebraska

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Don't throw away your old tires! We'll make them into new ones for you at 25% of the cost of a new tire. These new

### Champion Double Tires

are 90% puncture and blow-out proof and absolutely guaranteed for 3500 miles. They can't be beat for service and appearance. All you do is furnish two old tires—we'll do the rest. Send in your old tires today. We also carry Champion Tires in stock, all sizes.

FREE. Get our big money-saving circular and price-list. Write for it today.

Champion Double Tread Tire Co. 1722 Grand Ave., Kansas City, Mo.

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Our Special Offer enables you to own a fine Elgin without missing the money. Get posted. Write today. Harris-Gear Jewelry Co. Dept. 1936 Kansas City, Mo.

BROWN FENCE BARGAIN BOOK. Send name on pos- AND FENCE SAMPLE tal. New catalog quotes factory prices, 13c per rod up. Freight prepaid. Sample free also. Address. The Brown Fence & Wire Co., Dept. 13 Cleveland, O.

# Let's See What Johnny Did

## Here Are the Letters From Boys and Girls Telling Us Why the Teacher is Scolding This Boy

WE REALLY didn't know there were so many things a naughty boy could do at school until we read the letters from the boys and girls telling what they think Johnny—in the picture—has done. We received a great many letters and we are sorry we cannot print them all. It was difficult to choose the best ones from so many that were good. If you did not win one of the prizes this time try again and perhaps you will be successful in the next contest.

### Johnny Took a Snake to School

[First Prize.]

The birds were singing their gayest one beautiful spring morning in the woods that bordered the road leading to the little district school as Johnny Small went by. He was happy because the time was near when books would be laid aside and he could fish and swim as much as he liked.

When Johnny arrived at the school before going inside he peeped into his hand and said half aloud, "Little snake, I'll soon have you in Mary Lee's pencil box. Gee! She'll holler when you come wigglin' out!"

The teacher said "Good morning, Johnny," as he entered the room, and then paid no more attention to him until she heard a pencil box go shut. She saw that the pencil box belonged to Mary Lee and wondered what Johnny was doing with it but she was very busy and thought no more of it at the time.

As soon as school had taken up that morning the teacher said, "As I have been called to Cottondale today, we shall have school only until the first recess. You must work very hard this morning so we can go to the picnic tomorrow afternoon. Get your slates and pencils and work your arithmetic."

Mary Lee opened her pencil box to get her slate pencil and out crawled the little snake. If there was anything Mary was afraid of it was snakes, and Johnny Small knew it. When the snake crawled out she screamed and then sat as if paralyzed, and there was confusion and disorder all over the room. The snake crawled down the desk toward the poor frightened girl and she cried, "Oh, teacher, teacher, keep it away! It'll bite me! It'll bite me!"

The teacher asked one of the boys to catch the snake and take it away but even after it was gone she found it difficult to quiet Mary. After the teacher had restored order she asked who put the snake in Mary's pencil box. Johnny, with his head down, said "I did."

"Then you are all dismissed except Johnny," said the teacher. After the children had gone the teacher called Johnny to her desk and said, "Johnny, I am grieved and shocked beyond measure. Why did you do such an ungentlemanly thing?"

"I wanted to have some fun," Johnny replied, looking very much ashamed.

"But, Johnny, did you think you could enjoy doing something you were forbidden to do? I do not allow anyone to touch anything that does not belong to him. Now, you were meddling with Mary's pencil box when you put the snake into it. And thru your disobedience you have frightened poor Mary badly and have kept the other children as well as yourself from having a good time, because as we did not get our work done this morning we cannot go to the picnic tomorrow. After this I hope you will remember not to touch anything that does not belong to you. You may go now."

As Johnny left the school he muttered to himself, "Oh, if I had only left that snake where it was this morning!"

Ruth Colglazier.

R. 1, Hartford, Kan.

### He Wrote a Note in School

[Prize Letter.]

The pupils of Golden Hill school were forbidden to write notes but one day a note was passed from Johnny Moore to Bobbie Bartlett. The teacher had just stepped to the back of the room, and she saw the note passed. She tiptoed back to her desk and at recess called Johnny to her and said, "I saw a little boy passing a note this afternoon. Do you know who it was?"

Poor Johnny hung his head and was silent. As soon as school took up Miss Loomis told the children that Johnny passed a note and she punished him so severely he never forgot it.

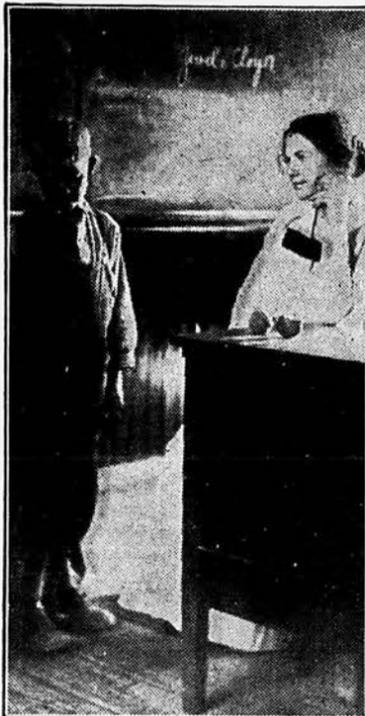
Freda L. Brooks.

Stockton, Kan.

### And Then He Was Sorry

[Prize Letter.]

Johnny Peck was janitor of his school and one evening after Miss Brown and the pupils had gone home, finding some fine wire neatly wrapped on a spool the thought came to him that it would



be great fun to stretch it across the floor in front of the door and watch the children trip over it the next day. Then he noticed the water bucket and before many minutes he was tying the wire to the bucket and passing it around the wall and on to the bell rope so that when the rope was pulled the bucket would upset.

When Miss Brown sent one of the boys to ring the bell next morning splash went the bucket of water on the floor, and worst of all, an uncorked bottle of ink that had been carelessly set by the side of the bucket went toppling over, too. The children thought it great fun but Johnny was frightened. Miss Brown called the room to order and

asked the boy or girl who put the wire on the bucket to come forward. Johnny went up to the desk and the teacher after telling him why he should not play such tricks had him clean up the muss. She gave him some soap and a brush and my, how he did scrub on that ink spot! His arms were sore when he finished and he decided he would not try to trip anyone again.

Marie Doege.

R. 2, Tonganoxie, Kan.

### Leave the Dogs at Home

Johnny brought his little snappy dog to school one day, and tied it under his teacher's desk. When the teacher came in the little dog came running up to her as if it were going to bite her, and she screamed. The children laughed and it made her so angry she told Johnny he would have to stand on the floor close to her desk all the afternoon. He could not look at his teacher because he was ashamed, and he afterward begged her pardon.

Marie Kalhoefer.

Medford, Okla.

### The Frog Got Angry And—

[Prize Letter.]

Johnny and some of the other boys had been playing with horned frogs one day at recess, and Johnny put one into his pocket. During the morning he put the frog on his desk and began playing

with it. He did not play with it long, however, because he had worried it so much at recess it had grown impatient and it swelled up and looked as if it were going to jump right into Johnny's face. He started to put it back into his pocket but before he could pick it up it jumped. Johnny struck it a sound blow and it fell squarely on top of a girl's head and got tangled up in her hair, frightening her badly.

The teacher called Johnny up to her desk and told him how naughty it was for a boy to bring a frog to school to disturb the children. He felt very sorry and promised he never would do such a thing again.

Gordon Weaver.

Bryan, Tex.

### Here's a Verse About Johnny

I think Johnny's case is exactly as represented in this verse:

A district school not far away  
Mid Berkshire hills, one summer's day,  
Was humming with its wonted noise  
Of three score busy girls and boys;  
Some few upon their tasks intent  
But more on secret mischief bent,  
The while the school-ma'am's downward  
look  
Was fastened on a copy book,  
When suddenly behind her back  
Rose sharp and clear a rousing smack.  
"What's that?" the startled teacher cried  
"That, ma'am," a little imp replied,  
"Was Johnny, if you please."  
"I saw him kiss Susanna Peathe."  
With face to make a statue frown  
The teacher cried, "Hither, John!"  
Like a wretch o'ertaken in his track  
With stolen chattels on his back,  
John hung his head in fear and shame  
And to the awful presence came.  
With smile suppressed and birch upraised  
The teacher faltered, "I'm amazed  
That you, my biggest pupil, should  
Be guilty of an act so rude.  
Before this whole school to boot,  
What evil genius put you to 't?"  
"Twas she, herself," sobbed the lad.  
"I didn't mean to be so bad.  
But when Susanna shook her curls  
And whispered I was 'fraid of girls  
And dare not kiss a baby's doll,  
I couldn't stand it, ma'am, at all  
And up and kissed her on the spot.  
I know—boo-hoo—that I should not  
But somehow from her looks—boo-hoo—  
I thought she rather wished me to."

Ruth Adams.

R. 1, Delaware, Okla.

### Ever See a Team of Crickets?

Johnny fastened a team of crickets together with a string and tied a paper to the lines on which was a picture of a woman with the word "teacher" written below it. He let his team loose and they went up the aisle as fast as they could jump. The girls held their feet up from the floor and were very much frightened, which greatly amused the boys.

When the teacher learned who had drawn the picture and brought the crickets she said, "Johnny, come here." Then she told him it was not gentlemanly to frighten the girls, and he hung his head and vowed he would never again have a team of crickets.

Olive Hart.

R. 1, Latham, Kan.

### Why Couldn't He Be Careful?

All the girls of Poverty Knob school brought their play dishes and dolls to school one day. They made a cupboard to put the dishes in, fitted up a playhouse, and had a very good time. While they were playing, mischievous Johnny Smith came into the playhouse and knocked the cupboard right over on Mary Lee's doll, breaking the doll and all the pretty dishes. Mary ran into the school crying, and told the teacher what Johnny had done. The teacher kept Johnny in after school and talked to him. Johnny promised never to do it again and brought some new dishes the next day, and helped the girls make a new playhouse.

Lula Terwilliger.

R. 2, Cherryvale, Kan.

### He Did Not Mind His Mother

Johnny lives in town with his papa and mamma and little sister, May. He wanted to stay at home one fine spring morning to finish his story book, but his mamma said he must go to school, so he slipped his story book into his pocket and started to school. He soon came to a large shade tree and thought that would be a good place to read, so he began to read and he kept on reading until noon.

Johnny's sister told his teacher where he was, and the teacher felt very badly because Johnny had been so naughty. When Johnny came to school in the afternoon and saw how sorry his teacher felt he was very sorry, and promised not to stay away from school again.

Verne Nitham.

Bird City, Kan.

**The Country Boy**

The country boy knows lots of things—  
A bird has but to whir its wings,  
And he can tell you what it is;  
He knows each tree, and he can class  
Each shrub, each leaf, each blade of grass,  
And never make a single miss.

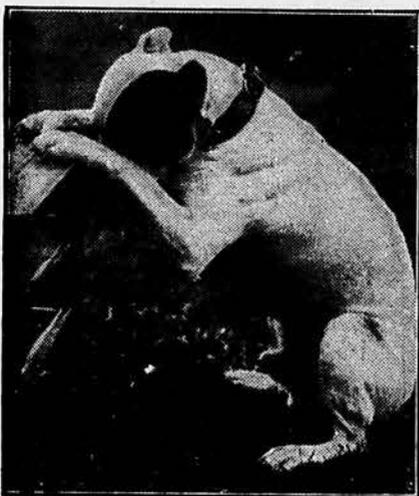
The country boy knows herbs from weeds,  
And he can tell you just the feeds  
The stock must get to make them fine;  
And as for insects and for bugs,  
He knows them all from snails to slugs,  
And when and where and how they dine.

The country boy can tell each rock,  
And as for time, the sun's his clock;  
There is no end to his resource—  
He knows the instant that the sap  
Awakens from its winter nap,  
And takes its annual upward course.

The country boy may not be wise  
Enough to gain the Euclid prize—  
And he may not his Virgil know;  
But I believe in nature's class,  
That he'll be very apt to pass  
Away up in the foremost row.  
—Youth's World.

**A Silent Prayer**

Did you ever hear of a dog praying?  
This dog's name is "Bingo" and his  
master, Jim Gillispie of Reserve, Kan.,  
says that Bingo often puts his front  
feet upon a chair and bows his head for



a few moments as if he were praying.  
He must certainly be a very pious dog.  
Mr. Gillispie thinks the title for this  
picture should be "A Silent Prayer for  
Universal Peace." This dog knows some-  
thing about war, too, for he is a bull-  
dog.

**Lost—Beauty and Her Baby!**

Have you seen a stray pony and colt?  
Harry Flaherty says his pony and her  
colt disappeared Wednesday, May 3, and  
he has heard nothing concerning them  
except that they were seen traveling  
West. The pony which he calls "Beauty"  
is a light bay with a white stripe on  
her forehead, and is branded with an  
X on her shoulder and OO on one hip.  
The colt also has a white stripe on  
its forehead. Harry feels very badly  
over the loss of Beauty and her baby  
and if anyone knows anything about  
them he would appreciate it if they  
will let him know. His address is R. 1,  
Salina, Kan.

**Girls Do Not Like Spiders**

Johnny thought he would have some  
fun, so he bought a play spider with a  
nickel which his mother gave him to  
buy a tablet. He went to school with  
the spider in his pocket and when he  
passed by Mary Gibbons's seat he  
dropped the spider in her lap. She  
screamed, and when the teacher asked  
what the trouble was Johnny said "I  
don't know." She asked all the pupils  
and finally a boy told her he had seen  
Johnny drop the spider in Mary's lap.  
Then the teacher talked to Johnny and  
told him he should not tell lies, nor  
frighten the girls, and he was very  
sorry he had been so naughty.

Hamilton Cummins.

Lumberton, N. M.

**You Have All Seen Him**

We heard his voice and dared not stay,  
But fled like coward fellows;  
The creature blew us all away  
With just a pair of bellows!

Do you know what this is? The answer  
will be in the paper next week.

The answer to last week's puzzle is:  
(S)ix and ix.

Carpets and rugs can be thoroly  
cleaned by being hung over a clothes-  
line and having the garden hose turned  
upon them. Dry in a shady place.



**Consistency**

**W**HEN you invest sev-  
eral hundred dollars in  
a motor car, you should  
feel assured on one important  
point. And that is whether or  
not you can expect consistency  
in performance.

Any car can run a hundred  
miles or so without trouble.  
Any car can go that far with-  
out readjustment of its mech-  
anism. Almost any car can go  
short distances under favorable  
conditions and make a satisfac-  
tory showing on gasoline and  
oil consumption.

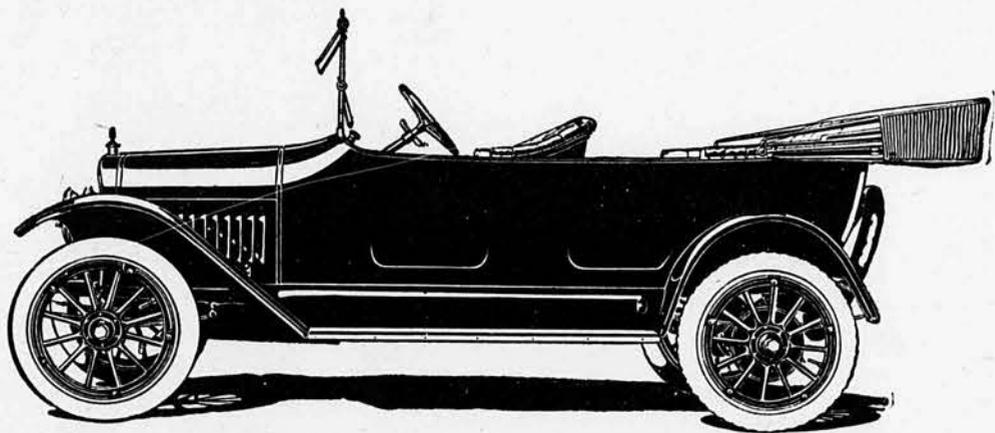
But you want to know that  
**your** car can be relied upon  
day in and day out. You want  
high mileage per gallon of gaso-  
line and per set of tires. You  
want freedom from repairs; and  
you want all of these things, not  
occasionally, but continuously  
—day after day; season after  
season.

While there may be other  
cars of higher price that will  
serve you faithfully and con-  
sistently, you **know** that the  
Maxwell will. You have the  
proof—the verified facts and  
figures. And these facts are  
worth more to you than any-  
one's claims or promises.

When the Maxwell became  
the World's Champion Endur-  
ance Car by traveling continu-  
ously for 44 days and nights  
(covering 22,023 miles) it aver-  
aged almost 22 miles to every  
gallon of gasoline. It went the  
whole distance without repairs  
of any kind and the tires showed  
a record of more than 9,000  
miles each.

This great distance is prob-  
ably farther than you would  
drive in two or three years.  
And it is a guide to what you  
could expect from the Maxwell  
in the way of economical and  
consistent service.

*The World's Champion Endurance Car*



Touring Car, completely equipped, including Electric Starter  
and Lights, \$655, f. o. b. Detroit. Four other body styles.

**Maxwell**

MOTOR COMPANY, DETROIT, MICHIGAN

Write to Dept. 23 for our catalog giving detailed specifications and our booklet  
"22,000 Miles Without Stopping."

# The Quaker Says:—



## "Put Thy Faith in Lewis'"

He knows that the lye with the reputation is the lye that discriminating housewives should select, for general cleaning about the house, for water softening, for making soap.

About making soap—do you realize that home-made soap is easy to make and an extraordinary economy? Would you like to save money? Soap made at home with



## Lewis' Lye

The Standard for More Than Half a Century

costs less than half as much as the cheapest commercial soaps and it gives perfect cleansing results.

Lewis' Lye entirely saponifies the grease in home-made soap. It always does it because it is always the same. Every can of Lewis' Lye is of the same superior quality as every other can—always and anywhere. Ask your mother. The chances are she used it when she was a girl and does yet.

Send for Booklet "The Truth About a Lie." PENNSYLVANIA SALT MANUFACTURING COMPANY Manufacturing Chemists Dept. 1. PHILADELPHIA

# The "Jayhawk" Disc Cultivator

We are making a "direct from factory to you" offer on these Jayhawk 1 and 2 Row cultivators. None better made—each one guaranteed. Exclusive features such as easy adjustment of discs

and shovels, patent roller leveling device that absolutely prevents binding, new roller connection taking care of any variation in width of rows, etc., puts the Jayhawk in a class by itself.



Our lever arrangement allows you to raise discs and shovels together or either discs or shovels separately. Float wheels spread well in front and prevent tipping. Bearings are dust proof and provided with hard oil cups. Sold completely equipped and at a saving of from \$15.00 to \$25.00. Write today for full particulars or order yours at once. They will not last long at these prices.

F. WYATT MFG. CO. 902 N. 6th St., Salina, Kans.

## More Money From Hens!

Get BIGGER POULTRY PROFITS by spraying your chickens and sheds with CAR-SUL to kill lice, mites, fleas, etc. Clean, healthy chickens mean MORE MONEY FOR YOU.

### CAR-SUL

"The Universal Disinfectant" frees your hens from all pests and vermin. Most Drug and Hardware stores sell it. GET A CAN TODAY. If your dealer can't supply order direct—\$1.25 a Gal., \$5.00 five Gals. Prepaid. MOORE CHEMICAL CO. Kansas City, Mo.



## Preventing White Diarrhea

To prevent White Diarrhea, treatment should begin as soon as chicks are hatched—giving intestinal antiseptics to destroy the germ. Not infrequently we see rank poisons recommended, such as Mercuric Chloride and Antimony Arsenite. The use of such remedies should not be encouraged, as the average person has little knowledge of their dangerous nature. The use of poisonous drugs is entirely unnecessary, for there are safe remedies that will destroy the germ, yet are not injurious to the chick.—Advertisement.

### White Diarrhea

Dear Sir: I see reports of so many losing their little chicks with White Diarrhea, so thought I would tell my experience. I used to lose a great many from this cause, tried many remedies and was about discouraged. As a last resort, I sent to the Walker Remedy Co., L8, Waterloo, Iowa, (formerly located at Lamoni, Ia.), for their Walko White Diarrhea Remedy. I used two 50c packages, raised 300 White Wyandottes and never lost one or had one sick after giving the medicine and my chickens are larger and healthier than ever before. I have found this company thoroughly reliable and always get the remedy by return mail.—Mrs. C. M. Bradshaw, Beaconsfield, Iowa.—Advertisement.

### Don't Wait

Don't wait until White Diarrhea gets half or two-thirds your chicks. Don't let it get started. Be prepared. Write today. Let us prove to you that Walko will prevent White Diarrhea. Send for 50c box on our guarantee—your money back if not satisfied. Walker Remedy Co., L8, Waterloo, Ia.—Advertisement.

# Hens That Lay An Egg a Day

It is Important that You Know How Your Birds are Bred

BY ALBERT G. REQUA  
Camey, Kansas

I HAVE been experimenting with Rose Comb Rhode Island Reds for 10 years. I spent much time and money in trying to breed a laying strain, first by trap-nesting, and then by pedigreeing and culling. It is important to know how your birds are bred. If poultry breeders would study pedigreeing as closely as an owner of purebred dairy stock thinks necessary, they would double the egg production.

Breed only from high class layers. The cocks should come from the best laying individuals you have. I also find that the vitality of the strain is weakened by inbreeding. A hen that lays 200 eggs in one year requires a great deal of vitality.

The cockerel shown in the picture was 6 months old when the picture was taken. He weighed 8 pounds and 9 ounces. His mother laid 267 eggs in 365 consecutive days. Her mother laid 252

can run out of the brooder. Sweet or sour milk is before them during part of every day. Occasionally some soda and pepper may be stirred in the milk. Keep oyster shell and bran where they can help themselves at all times. When the chicks are a few days old begin to add a little millet, ground corn and kafir. The brooder must be kept clean, dry and free from mites. I like a brooder better than hens altho the first few days the chicks require more care. Don't think that you must teach the chicks to eat. That will be natural for them when they get hungry. The little chicks must have fresh air, sunshine, and exercise. The first few days I spend a good deal of time with them. In the middle of the day I make them go out of the brooder, and when I notice them beginning to shiver, I make them go up the little platform to the brooder. They soon learn to go out and in as they need to get warm.

Severy, Kan. Mrs. P. E. Henry.



## Caring for the Farm Flock

There is a difference of opinion as to which breed of poultry is best for the farm. There are the small varieties which are good layers, and the large meat birds. There also are a large number between the two extremes, Rocks, Wyandottes, Rhode Island Reds, and so on. It is a good idea to select one breed and keep it pure.

A great help to the poultry raiser that saves much work is a pump or compressed air sprayer of 2 or 3 gallon capacity. When fleas and mites make their appearance in the busy summer time it takes but a few minutes to give the houses, coops and yards a complete spraying. A good sprayer can be bought for the price of a dozen hens.

Sometimes the reason hens don't lay is a lack of meat, green feed, or warm water in cold weather. The fact that they are turned out on a cold day to stand around in the snow may be responsible, or perhaps a draft in the hen house is to blame.

Many steps would be saved if some kind of a large drinking fountain was placed near the chicken house. It could be filled in the morning and there would be plenty of fresh, cool water all day. It should be placed in the shade or a blanket should be thrown over it.

After knowing the eggs are fertile, not chilled, and the hens have a good place to sit, begin your war on lice by dusting the hens several times with sulphur. Then watch the little chicks. Lard with a few drops of carbolic acid is good to rub on the head, under the wings and vent when lice appear on the chicks. Those who use incubators and brooders are not bothered with lice.

Keep the flock well culled. Sell the old hens when the market is good, or sooner if necessary. The fertile eggs during the summer months make the egg market poor. Keep plenty of grit for the hens and always market nice, clean eggs. Mrs. A. M. Fullerton. Lawton, Okla.

## Feed Little Chicks Often

I feed the little chicks four times a day for the first three weeks, and I find them ready for every meal. I give them only what they will clean up in a few minutes. It is a bad plan to let feed stay for long on the feeding floor. Dry feed is the best to use, according to my notion. By giving it to them dry there is not much danger that they will eat too much feed.

Eggs that are left in the nest and gathered only once a day are not perfect for hatching. Every hen that gets on the nest reheats them, and in some cases they are kept at hatching heat almost all day. Being heated and then cooled weakens the germ, altho it does not kill it.

It is not how many chicks we hatch, but how many we raise, that brings us success. With eggs and poultry selling on the market for such good prices we should be encouraged to give extra attention to the hatching, and to the rearing of the little chicks.

Abilene, Kan. Mrs. J. B. Jones.

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**Little Visits With Mr. Case**

(Continued from Page 9.)

the machine. We herd the sow and pigs about two hours every evening; feed them slop, a little alfalfa and 2 gallons of corn a day. Everybody says the pigs could not do better."

"I wish to thank the boys who voted for me for assistant secretary of the Poland China Breeders' association," writes William Robison of Yates Center, "and as assistant secretary I will do all I can for the breed club. I am sending a picture of Kansas Lady, her pigs, and myself. The pigs were 5 weeks old when the picture was taken, the last week in April, and they are coming along fine.

"I was glad to see in the paper that you were going to call me Bill, for that is what they call me at school. Good luck to all officers of the Poland China association and to all the members."

Bill's sow is one of the few Spotted Polands in the contest, and she's a dandy. Bill says in another letter that he has been urged to put a price on his contest litter, but they are not for sale. These pigs certainly are a classy lot.

Keep the pictures and letters coming, fellows. We've "talked hog" so much since the contest opened that I'm sure you will be glad to visit with one another instead. So for a while at least I'm going to print letters in our department instead of advice. If you need any help just ask for it.

Francis Wilkinson, R. 3, Wichita, Kan., assistant secretary of the Duroc-Jersey Swine Breeders' association, tells me that he has been ill for several weeks and still is confined to his bed. It's fierce, fellows, being laid up in the springtime when all outdoors is calling, but we can lighten the burden for Francis a little. Write him a cheer up letter today, and don't forget to put "Route 3" in addition to the Wichita address. I hope every boy will do this, no matter what breed he has. And you Red boosters tell Francis all about your sow and pigs. We hope he soon will be able to go down a corn row these fine spring days. Don't forget, write now.

**Warm Weather Aids Corn**

(Continued from Page 8.)

fair. The date for planting kafir has been set back—or forward—whichever may appear right to you. That is, where we used to plant kafir about May 25 we now plant about May 15 and many plant even earlier. Considerable kafir was planted here in April this year.

It is common comment that kafir is becoming later in maturing but I think that lies more in the seasons we have been having than in any inherent quality in the kafir plant. A dry summer holds back kafir and so causes later maturity while a wet summer, like that of 1915, also tends to hold back the plant. Given a normal summer this year and I think we will find our kafir maturing just as it used to around September 15 to 25.

Our corn planter has finished its eleventh season without a miss. It is an edge drop and has always been very accurate. I see no reason why it should not do good work for many years to come. I do not think it has planted less than 125 acres in any year and in some years it has planted more. It is used on two farms and has never laid down on the job no matter what it was set to plant. How different from the old affairs we used to have to plant corn with 25 years ago! I don't wonder profanity was more common in those days; it could easily be accounted for if they all had planters like the one we used to wrestle with in the days when the check rower came as an attachment and not as a part of the machine.

A friend writes from Richfield, Kan., that a sure remedy for the ravages of "varmints" in the newly planted corn is to put a teaspoonful of powdered sulphur in each planter box full of seed. The sulphur should be mixed in dry and our friend says it will keep gophers, ground squirrels and similar pests from digging up the corn. This will be easy to try and it cannot harm the seed. We do not have the trouble here with such pests that they have in drier countries or where the soil is lighter and more porous. In Nebraska I have seen ground squirrels take out acres of newly planted corn around the edges of the fields next to the prairie grass.

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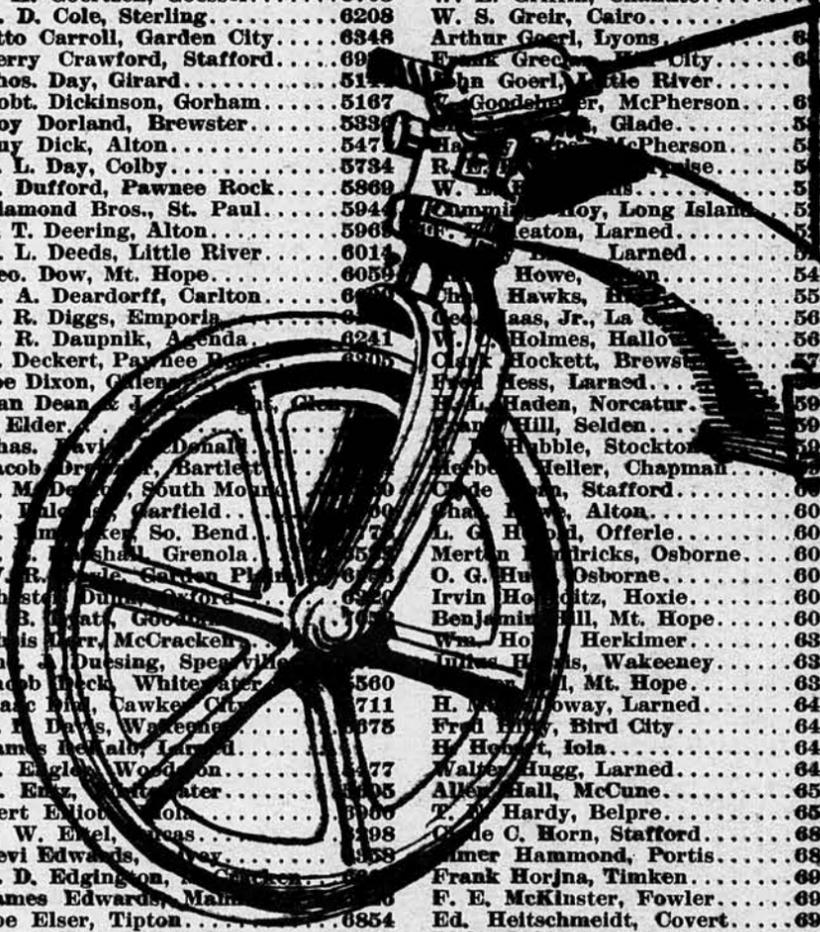
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**SPECIAL NOTICE**  
 We want to offer an apology to those whose names are not given. Space did not permit listing all the names. In those instances where the factory number is not given, it is because the information was not given us by the dealers.

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**1527 Grand Ave. KANSAS CITY, MO.**



## Get all your Cows Earn

Every milch cow in your herd earned a nice profit for you that your separator *failed to deliver*. Where did the money go? Let us show you.

Every separator (except the New Sharples) loses cream if not turned at the exact speed marked on its crank. Experiment Stations and independent researches have brought out the surprising fact that 19 out of every 20 separator users turn their machines under speed and thus lose \$2.40 to \$12 per cow per year. (See Purdue Bulletin No. 116).

The New Sharples skims clean whether turned *fast or slow*. It will get you this extra profit your cows make for you, but which your fixed-feed Separator throws away.

## THE NEW SHARPLES SUCTION-FEED

Separator feeds the milk into the bowl in exact proportion to the separating force. At 45 revolutions it skims clean; at 55 revolutions it skims clean; and at 35 revolutions it skims equally clean and always with *even quality cream*. No other separator has these two valuable features—*clean skimming* and *unchanging density of cream at varying speeds*.

The Suction-feed Separator has other important advantages. The hollow tubular bowl is easy to clean and easy to handle. There are no discs to wash. The oiling is automatic; no oil-caps or oil-holes; no dripping or mussing of oil; no oil waste. The top of the large supply-can is only two feet from the floor—a great convenience in filling.

These are some of the reasons why you should have a New Sharples and *get all the cream money all the time*.

Read the full story in our new book, "*Velvet*" for Dairy-men which also explains our free trial plan. We will gladly send you a copy. Ask for it—*now*. Address Dept. 15.



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## They Milk Three Times a Day

Princess Skylark Wayne Gives Big Returns for Extra Care

JOHN L. THOMPSON

**A** LITTLE extra care and attention under ordinary farm conditions can get big results with a purebred cow has been demonstrated by Paul B. Johnson at Westwood farm, Leavenworth, Kan. A test was conducted for seven consecutive days under the supervision of A. Doryland of the Kansas State Agricultural college. The production was 536 pounds of milk containing 17.22 pounds of butterfat. The maximum yield for three consecutive milkings was 81.8 pounds.

Princess Skylark Wayne, 139,544, registered in the Holstein-Friesian association of America as purebred stock, was the cow to make the production. She was born February 27, 1909, and was a daughter of Prince Pietertje DeKol, II, with 28 A. R. O. daughters and 10 proved sons. He was a show bull in the East.

Her mother is descended from Sir Ormsby Hengerveld DeKol with 56 A.

Chicago is beginning to find out that it is the dirtiest, the most criminally-wasteful managed city this side of Russia. Says the Tribune: "The administrative machinery of Chicago is so archaic, wasteful and clumsy that even a paragon of executives would find himself hampered to desperation by it. Piled on top of that is the complex of local and state and national politics. But back of them all, and more fatal to good government than them all, is a community intelligence which refuses to exert itself in its own interest, which allows itself to be fuddled and misled by the cheapest devices and carried away by the mere beating of political tomtoms." Good and true as gospel, every word of it. When an American community gets to calling itself names like that, it means something better is coming.

R. O. daughters and 13 proved sons, the grandsire of the present world's record cow, Duchess Skylark Ormsby, 124,514. Johnson bought Princess Skylark Wayne from the Hillcrest herd at Greenwood, Mo. The test followed the birth of her fourth calf, a bull. One calf, now a yearling, is a heifer. This test was the first official Holstein-Friesian test in Leavenworth county.

Care was taken not to have the cow fat when she freshened. Two weeks previous to the birth of the calf, a ration of cornchop and wheat bran with plenty of silage and alfalfa hay, was fed. The udder was kept pliable with applications of sweet oil. The cow was kept in an ordinary box stall. Her physical condition was excellent January 22, when her calf was born. Milk was taken but once by the calf. The cow then was milked regularly three times a day, at 7 a. m., 2 p. m., and

10 p. m. Four days after freshening, the ration was increased until it consisted of 12 pounds of wheat bran, 9 pounds of cornchop, 2 pounds of cottonseed meal and 4 pounds of rolled oats. Silage and alfalfa were added liberally. There was no feeding of expensive brewers' products, compounded or prepared foods, or stimulants of any sort. Warm water was given four times a day. The test was made during cold weather. The barn was not warmed but the cow was blanketed. It was the plan to feed just enough to give the cow an appetite for each succeeding meal. Three pounds more grain were added on the final day of the test.

The following is the milk production for each day of the test as recorded by Doryland: First 24 hours, 75.4 pounds; second, 70.5; third 74.5; fourth, 77.5; fifth, 78.8; sixth, 78.7; seventh, 80.6. It will be noted that the production increased toward close of test. Johnson attributed this to cold weather at the beginning of test period. He estimates a yield for the ensuing year of 12,000 to 14,000 pounds.

"It is not so much of a record production," said Johnson, "but the conditions under which it was made, make it interesting. No expert was employed and only ordinary methods known to the average farmer were used. Any farmer with purebred stock can do the same if he is willing to make the necessary effort. The real lesson for me is that the advantage of purebred stock is distinct over ordinary animals."

### Giving a Calf Its First Meals

Lack of knowledge of proper methods of feeding calves is the cause of heavy losses.

The proper time for taking the calf from its mother depends upon the condition of the calf and its mother at the time of calving, says O. E. Reed of the Kansas State Agricultural college. If the calf is strong it may be taken away immediately without being allowed to nurse. It is easier to teach the calf to drink from the pail if it is taken from the mother at this time.

If the calf is weak at birth, or if the udder of the cow is inflamed or caked, it is a better practice to allow the calf to remain with its mother for several days. In case the calf is taken from its mother immediately it should receive her first milk. The milk at this time contains a high proportion of protein and ash, which act as a laxative and tonic and are effective in cleaning out the digestive tract and stimulating the digestive organs.

### The Whole Thing

A quick-witted Irish girl was being examined by the inspector.

"You were born in Ireland?"

"I was."

"What part?"

"Why, all of me, of course."—Country Gentleman.



This is King Segis Pontiac Count, Sire of Many Holstein Cows with High Production Records.

**Most Cream Buyers are Honest**

One of the most common causes of dissatisfaction on the part of the man who sells cream on the butterfat basis, arises from variations in the test. This is especially true if each can is tested separately, and the best way for the seller to convince himself that the tester is neither careless nor dishonest is to buy a little outfit for himself. A well made, accurate, and satisfactory tester can now be bought for \$5 and its use not only will satisfy the seller that he is getting honest treatment, but will enable him to detect the "boarders" in his herd.

A change in the speed of the separator immediately causes a change in the tests of the cream, the higher the speed the greater the amount of skimmilk thrown out and so the higher the test of the cream. Putting it in another way, a low speed results in a larger quantity of thinner cream.

The use of the float does not always insure a uniform flow of milk into the separator, because the faucet may not always be opened equally wide and the flow will be more rapid when the tank is full than when it is nearly empty. Anything which makes the inflow more rapid will increase the proportion of skimmilk which goes thru, and lower the test of the cream.

The amount of water used in flushing may easily be varied a pint or more and this without any other cause or variation may change the test 2, 3, or even 4 or 5 per cent.

The milk of an entire herd may rise or fall in its test from day to day because of excitement, or change in the weather. If the milk of a herd, whose average test is 4 per cent, is ordinarily so separated that the cream tests 40 per cent fat, the test will suddenly rise to 42.5 per cent if the milk of the herd is suddenly raised to 4.25 per cent without any change in method of separating.

The test is, of course, readily controlled by means of the cream screw, but as it seldom is changed in this way on the average farm, there should be no trouble because of variation from this source. Variations in cream tests almost never are caused by changes in the feed of the cow as every well informed cream seller is now aware.

Mistakes are most likely to result from carelessness in taking samples, as they must be very carefully and skillfully taken if they are to tell the truth and result in a fair payment. Dishonesty probably is much rarer than many sellers believe. A clever thief would manipulate the reported test in such a way as not to arouse the suspicion that an honest report sometimes brings up in the mind of the man who does not consider all the possible hidden causes of variation. C. H. Eckles.

**Why Rich Cream is Better**

Patrons of creameries or of cream stations often are asked to deliver richer cream. They are told that in the warm months it is better to deliver cream testing from 35 to 40 per cent, or even higher, while in the winter the cream may test from 30 to 35 per cent.

The chief benefits for the patron are as follows:

When rich cream is skimmed, more skimmilk is kept on the farm. Skimmilk is worth about 25 cents a hundred pounds when fed to pigs or calves. Clabbered skimmilk makes an excellent feed for chickens. About 10 pounds of skimmilk for every 100 pounds of whole milk that is separated are kept on the farm when 40 per cent cream is skimmed instead of 20 per cent.

Rich cream means less bulk to handle. One 5-gallon can of 40 per cent cream contains as much butterfat as two 5-gallon cans of 20 per cent cream. Why haul the extra can to town?

Rich cream will keep sweet longer than will thin cream. The butterfat in cream does not sour. Souring takes place in the portion of cream other than the butterfat. Forty per cent cream will not sour as quickly as 20 per cent cream because there is more butterfat in the richer cream.

For the creamery or station man the chief benefits in richer cream are:

There is less bulk to handle when the cream is rich. Less cans are required when the cream is shipped. When the cream reaches the creamery, less vat room will be required.

It costs less to ship one 5-gallon can of 40 per cent cream than it does to ship two 5-gallon cans of 20 per cent

cream, yet each contains the same amount of butterfat. The cream producer really pays the shipping expenses, so why should he sell thin cream when it means less money?

Starter can be added to rich cream. If cream is too thin it will not churn easily. Little or no starter can be added to thin cream.

Cream that is too rich does not handle easily, especially during cold weather. It is more difficult to sample, and sticks to the cans. J. M. Fuller.

**Let the Bull Have Company**

Select a bull having the same general form as that required for the profitable cow; great length and spring of rib; large paunch capacity; well arched flank; flesh between the hind legs cut away nearly to the root of the tail; sharp backbone when the animal is in good flesh; prominent hip bones wide apart and cut hams and thin fleshed shoulders. The belly line should slope downward from the front legs to the beginning of the flank. The false tits should be long and set widely apart as indicating that his heifers will have long udders. One reason why dairy bulls often have been disappointing is that the great cry has been—"select a bull with strong masculine characters." This has led to the selection of bulls built on the type of a buffalo; enormous heavy fore quarters, thick meaty neck and heavy heads with hind quarters light like a greyhound's. Of course a bull should be masculine in appearance but to be a producer of high yielding heifers, he must have the dairy form.

Most dairy bulls are mean tempered and hard to handle. All dairy bulls are dangerous, no matter how gentle they may seem. The way most dairy bulls are kept makes them viciously insane. They are kept away from their kind, in what is practically solitary confinement. Such treatment will make a maddened beast out of any vigorous animal. A dairy bull should be kept with the calves or dry cows so that he will have company. Always keep two rings in his nose so that when one breaks, he can be handled safely until the broken one can be replaced. Fasten a strong, light chain to the ring and make it long enough so that the other end will drag on the ground 2 feet behind his fore feet. The bull will have to step carefully or he will jerk the chain and hurt his nose. This keeps him under constant discipline and allows him freedom in pasture or feed lot.

**Records From Six States**

In the last list of Guernsey cows, comprising 46 records, for which advanced register certificates were written, 16 gave more than 500 pounds of butterfat each, while six gave an average of more than 691 pounds.

The cow Mignonette of Rich Neck 36028, 3½ years old, bred and owned in Maryland gave more than 800 pounds fat. This is her second record, and gives her second place in class D.

Lura Bettina 29725, with a record of 739.58 pounds fat, is owned in North Dakota. Princess of Meadowbrook 25185, with a record of 722.24 pounds fat, which places her at the head of mature cows on the Coast, is owned in Owensmouth, California. The other three cows, Nellie Tostevin of Mapleton 2d 26449, First Dawn 19096, and Imp. Fanny of the Mourants 34344, are owned in Massachusetts, Minnesota and Wisconsin respectively.

With one exception these are re-entries, or second year records. One is a third record, and has been increased 50 pounds each year.

**E. M. Hall is Dead**

E. M. Hall of Carthage, Mo., a leading breeder of Shorthorn cattle, was injured in a fire recently so severely that he died soon after. He was trying to save his mother, who died in the flames. This is one of the most shocking tragedies that has occurred for a long time in the Shorthorn world. Mr. Hall has taken a vital part in the progress of this breed. He was secretary of the Central Shorthorn Breeders' association, and had been for a long time. He was 39 years old and unmarried.

If you wish to peel oranges, pour boiling water over them and let them stand for 5 minutes. They will peel easily and all the bitter white skin will come off with the rind.



**Seeing the Difference  
between the  
DE LAVAL  
and other  
Cream Separators**

THE difference between a modern De Laval and any other cream separator is apparent at first sight. And if you will take five minutes to compare the separating bowl construction, the size, material and finish of the working parts, particularly those subject to wear, the manner of oiling, and everything which enters into the design and construction of a separator as a simple durable machine, you will still further see the difference.

Then if you go a step farther and turn the cranks of the two machines side by side for fifteen minutes, running milk or water through the bowl, you will see still more difference.

And if you will run the two machines side by side in practical use, as any De Laval agent will be glad to have you do, the De Laval one day and the other machine the next, for a couple of weeks, you will see still greater difference in the work of the two machines.

Every De Laval agent considers it a privilege to show the difference between the De Laval and other separators and to afford every prospective buyer the opportunity to try out and prove the difference to his own satisfaction, if on first examination he feels the slightest doubt about it. If you don't know the nearest De Laval agent write to the nearest office as below.

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The Empire that father used was an infinitely better separator than the one grandfather used. And the one you'll buy will be just as much better than the one father bought.

Here's the point: we have been improving Empires ever since the first Empire was made, and the Empire of today is as far ahead of other separators as the first Empire was ahead of no separator at all. It is the cleanest skimmer—easy to run, silent and vibrationless—easy to clean and care for.

Empire Disc Separators and Empire Link Blade Separators are guaranteed to give perfect service for twenty years or more.

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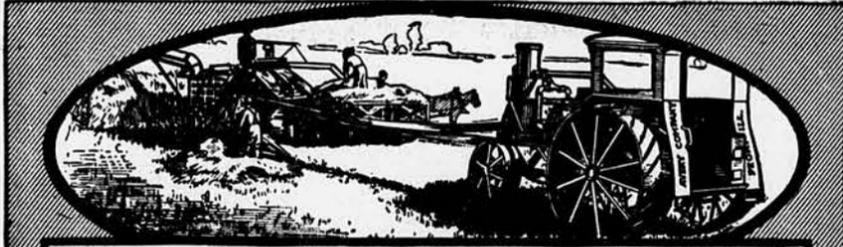
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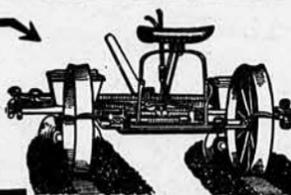
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**Keeping Up With Lizzie**

By Irving Bacheller

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**HOW IT BEGAN.**

Socrates Potter is telling of the astounding and extremely human-interest events that followed in a Connecticut village as the result of vain striving to imitate or surpass the social activities of Lizzie Henshaw, just home from college. In last week's installment Lizzie and her mother had just returned from Europe. Lizzie objects to the odor of hum and mustard which seems to cling to her father, a grocer. Socrates Potter visits the Henshaws to hear Lizzie describe her visit abroad. He discovers the tragedy that seems imminent through the family's straining to "keep up." Lizzie visits Potter's office a few days later and hears the lecture of her life on common sense. She is engaged to Alexander Rolanoff, a foreigner. Rolanoff gets \$10,000 from Lizzie's father as a marriage settlement. He starts away with Lizzie and her father in a motor car, and Dan Pettigrew, who has loved her since childhood, starts after the couple with Socrates Potter. It's a wild chase. The money is recovered. Lizzie realizes how foolish she has been. The work of regeneration begins. One of the first to succumb to the Spirit of Things as They Ought to Be is Mrs. William Warburton, society woman, childless, wife of a wealthy man. She adopts a flock of homeless children, and promptly gets back to earth where she belonged. The country-side turns to Lizzie now for advice and common sense.

**THE PURSUIT OF LIZZIE.**

AN had been out of town, an' immediately on his return he came to my office. "How's business?" I asked.

"Well, the ham war was a little hard on us, but we're picking up," says he. "They're still selling hams way below a decent price over at Henshaw's. I don't see how they can do it."

"I do," I says. "Please explain," says Dan. "Don't you know that Lizzie was buyin' most o' those hams that you sold way below the wholesale price, an' that she's now makin' a good profit on 'em?" I says.

"Great Scott!" Dan exclaimed, as he sank in a chair.

"The fact is, Dan, the only way to keep up with that girl is to marry her," says I. "Get busy. If you don't somebody else will. Put a mortgage on her an' foreclose it as soon as possible. As a floatin' asset Lizzie is dangerous."

"Dan picked up his hat an' started for the door."

"Tell her she must do business or you'll cut the price of Pettigrews," I suggested.

"Good idea!" he answered, as he went away.

"Meanwhile Mr. an' Mrs. Bill Warburton were hot on the trail of Lizzie."

"Bill came to me one day an' said: 'Those babies have solved the problem; my wife is happy and in excellent health. She sleeps an' eats as well as ever, an' her face has a new look—you have observed it?'"

"Certainly, Bill, an'

you're goin' to hear some rather chesty an' superior talk. I saw what was the matter long ago—she was motor-sick, an' tiara-sick, an' dog-sick, an' horse-sick. She was sick of idleness an' rich food an' adulation. She has discovered that there are only three real luxuries—work, children, motherhood—that to shirk responsibility is to forfeit happiness. I have been a little disappointed in you, Bill. Your father was a minister; he had the love of men in his soul. You seem to have taken to dogs an' horses with an affection almost brotherly. I don't blame you so much. When men get rich they naturally achieve a passion for the things that money will buy. They think they've got to improve the breed o' dogs an' horses, an' they're apt to forget the breed o' men. You've been pursuin' Happiness with dogs, horses, an' motor-cars. You never can catch her in that way—never. Don't you remember, Bill, that in the old days we didn't pursue Happiness? Why, Happiness pursued us an' generally caught us. Some days she didn't succeed until we were all tired out, an' then she led us away into the wonderful land 'o' dreams, an' it was like heaven. You never get Happiness by pursuin' her—that's one dead sure thing. Happiness is never captured. She comes unbidden

or not at all. She travels only in one path, an' you haven't found it. Bill, we've strayed a little. Let's try to locate the trail o' Happiness. I believe we're gettin' near it.

"Last year a colt o' yours won a classic event of the turf. How much finer it would be if you had some boys in training for the sublime contests of life, an' it wouldn't cost half so much. You know, there are plenty of homeless boys who need your help. Wouldn't it pay better to develop a Henry M. Stanley—once a homeless orphan—than a Salvador or an Ormonde or a Rayon d'Or?"

"Pound away," said Bill. "Nail an' rivet me to the cross. I haven't a word to say, except this: What in the devil do you want me to do?"

"Well, ye might help to redeem New England," I said. "The Yankee blood is runnin' out, an' it's a pity. Today the Yankees are almost a childless race. Do ye know the reason?"

"He shook his head.

"It costs so much to live," I says. "We can't afford children. To begin with, the boys an' girls don't marry so young. They can't stand the expense. They're all keepin' up with Lizzie, but on the wrong road. The girls are worse than the boys. They go out o' the private school an' beat the bush for a husband. At first they hope to drive out a duke or an earl; by-an'-by they're willin' to take a common millionaire; at last they conclude that if they can't get a stag they'll take a rabbit. Then we learn that they're engaged to a young man, an' are goin' to marry as soon as he can afford it. He wears himself out in the struggle, an' is apt to be a nervous wreck before the day arrives. They are nearin' or past thirty when he decides that with economy an' no children they can afford to maintain



Their Eyes Were Wide With Wonder.

a home. The bells ring, the lovely strains from "Lohengrin" fill the grand, new house o' God, an' overflow into the quiet streets o' the village, an' we hear in them what Wagner never thought of—the joyful death-march of a race. Think of it, Bill, this old earth is growin' too costly for the use o' man. We prefer autos an' diamonds an' knick-knacks! Life has become a kind of circus where only the favored can pay the price of admission, an' here in America, where about all the great men we have had were bred in cabins, an' everything worth a fish-hook came out o' poverty! You have it in your power to hasten the end o' this wickedness," I said. "For one thing, you can make the middleman let go of our throats in this community. Near here are hundreds of acres o' land goin' to waste. Buy it an' make it produce—wool, meat, flax, grains an' vegetables. Start a market an' a small factory here, an' satisfy yourself as to what is a just price for the necessities of life. If the tradesmen are overchargin' us, they'll have to reduce prices. Put your brain an' money into it; make it a business. At least, you'll demonstrate what it ought to cost to live here in New England. If it's so much that the average Yankee can't afford it by honest work—if we must

all be lawyers or bankers or brokers or graspin' middlemen in order to live—let's start a big Asylum for the Upright, an' give 'em a chance to die comfortably. But it isn't so. I can raise potatoes right here for thirty cents a bushel, as good as those you pay forty cents a peck for at Sam Henshaw's. You'll set an example of inestimable value in this republic of ours. Dan has begun the good work, an' demonstrated that it will pay."

"It's a good idea—I'm with you," he said. "If we can get the boys an' girls to marry while the bloom is on the rye, it's worth while, an' I wouldn't wonder if indirectly we'd increase the crop of Yankees an' the yield of happiness to the acre."

"Bill, you're a good fellow," I said. "You only need to be reminded of your duty—you're like many another man." "An' I'll think you the best fellow in the world if you'll let us keep those kids. We enjoy them. We've been having a lot of fun lately."

"I can't do that," I said, "but I'll keep 'em here until we can get some more. There are thousands of them as beautiful, as friendless, as promising as these were."

"I wish you could let us have these," he urged. "We wouldn't adopt them, probably, but we'd do our best for them—our very best."

"I can't," I answered. "Why?" "Because they've got hold of my old heart—that's why. I hadn't looked for that, Bill, but the little cusses have conquered me."

"Great God!" he exclaimed. "I hadn't thought of that. And my wife told me this morning that she loves that three-year-old boy as dearly as she loves me. They've all won her heart. What shall I do?"

"Let me think it over," I said, an' shook his hand an' left, an' I knew that I was likely to indulge in the makin' of history right away.

"I went home an' sat down an' wrote the best brief of my career—an appeal to the Supreme Court o' this planet—a woman's heart. It was a letter to one whose name I honored although I had not written it in years."

"Next mornin' I plunged into a lawsuit an' was workin' night an' day, until the jury came in with a verdict an' court adjourned for the Christmas holidays."

"An' that day a decision was handed down in my appeal to the court of last resort. It was a cablegram from an Italian city, an' a verdict in my favor. I am to get in that case the best fee on record—a wife and the love of a dear and beautiful woman. We went to school together, and I am ashamed that I didn't ask her to marry me years ago. So much for me had Lizzie an' the kids accomplished."

"I was to dine with the Warburtons Christmas Eve, and be Santa Claus for the children. I bought a set o' whiskers an' put on my big fur coat and two sets o' bells on the mare, an' drove to the villa with a full pack in the buggy an' a fuller heart in my breast."

"Bill an' Mrs. Bill an' I went over to the farm-house together with our arms full. The children were in a room upstairs with Mrs. Hammond waiting for Santa Claus. Below we helped the two maids, who were trimming the Christmas tree—and a wonderful tree it was when we were done with it—Why, sir, you'd have thought a rainbow was falling into thicket on the edge of a lake. My friend, it was the tree of all fruits."

We filled the little stockings hanging on the mantel. Then they helped me to put on my beard an' the great-coat an' cap an' the pack over all, an' Mrs. Bill an' I went out-of-doors. We stood still an' listened for a moment. Two baby voices were calling out of an upper window: 'Santa Claus, please come, Santa Claus!' Then we heard the window close an' the chatter above stairs, but we stood still. Mrs. Bill seemed to be laughing, but I observed that her handkerchief had the center of the stage in this little comedy."

"In half a minute I stole down the road an' picked up the bells that lay beside it, an' came prancin' to the door with a great jingle, an' in I went an' took my stand by the Christmas tree. We could hear the hurry of small feet, an' eager, half-hushed voices in the hall overhead. Then down the stairway came my slender battalion in the last scene of the siege. Their eyes were wide with wonder, their feet slow with fear. The little captain of three years ran straight to Mrs. Bill an' lay hold of her gown, an' partly hid himself in its folds, an' stood peekin' out at me. It was a masterful bit of strategy. I wonder how he could have done it so well. She raised him in her arms an' held him close. A great music-box in a corner began to play: O Tannenbaum! O Tannenbaum! wie grunnd deine blaetter!"

"Then with laughter an' merry jests we emptied the pack, an' gathered from the tree whose fruit has fed the starving human heart for more than a thousand years, an' how it filled those friends o' mine!"

"Well, it was the night o' my life, an' when I turned to go, its climax fell upon me. Mrs. Bill kneeled at my feet, an' said with tears in her eyes, an' her lips an' voice trembling: "O Santa Claus! you have given me many things, but I beg for more—five more."

"The city had fallen. Its queen was on her knees. The victorious army was swarming into the open gate of her arms. The hosts of doubt an' fear were fleeing."

"I refuse to tell you all that happened in the next minute or two. A witness has some rights when testifyin' against his own manhood."

"I helped the woman to her feet, an' said:

"They are yours. I shall be happy enough, and, anyhow, I do not think I shall need them now."

"An' so I left them as happy as human beings have any right to be. At last they had caught up with Lizzie, an' I, too, was in a fair way to overtake her."

"An' how fared Dan in his pursuit of that remarkable maiden? Why, that very night Lizzie an' Dan had been shakin' the tree o' love, an' I guess the fruit on it was fairly ripe an' meller. Next day they came up to my house together."

"Dan couldn't hold his happiness, an' slopped over as soon as he was inside the door."

"Mr. Potter," says he, with more than Christmas merriment, 'we're going to be married next month.'

"Before I could say a word he had gathered Lizzie up in his arms an' kissed her, an' she kissed back as prompt as if it had been a slap in a game o' tag."

"You silly man," she says, 'you could have had me long ago.'

"If I'd only 'a' known it,' he says."

"Oh, the ignorance o' some men!" she says, lookin' into his eyes."

"It exceeds the penetration o' some women," I says."

"They came together ag'in quite spiteful, I separated 'em."

"Quit," I says. "Stop pickin' on each other. It provokes you an' me too. You're like a pair o' kids turned loose in a candy store. Behave yerselves an' listen to reason."

"Lizzie turned upon me as if she thought it was none o' my business. Then she smiled an' hid her face on the manly breast o' Dan."

"Now, Lizzie," I says, 'get yer mind in workin' order as soon as ye can. Dan, you go over an' stand by the window. I want you to keep at least ten paces apart, an' please don't fire 'til ye get the signal. I'm goin' to give a prize for the simplest weddin' that ever took place in Pointview,' I says. 'It will be five hundred dollars in gold for the bride. Don't miss it.'

"The marriage will occur at noon," says Lizzie. 'There'll be nothing but simple morning frocks. The girls can wear calico if they wish. No jewels, no laces, no elaborate breakfast.'

"An' no presents but mine, that cost over five dollars each," I says."

"An' that's the way it was—like old times. No hard work wasted in gettin' ready, no vanity fair, no heart-burnin', no bitter envy, no cussin' about the expense. There was nothing but love an' happiness an' good-will at that wedding. It was just as God would have a wedding, I fancy, if He were the master o' ceremonies, as He ought to be."

"They are now settled on a thousand acres o' land here in New England. Dan has eight gangs o' human oxen from Italy at work for him getting in his fertilizers. He rides a horse all day an' is as cordy as a Roman gladiator. Do you know what it means? Ten thousand like him are going into the same work, the greed o' the middleman will be checked, an' one o' these days the old earth 'll be lopsided with the fruitfulness of America."

**SOCRATES POTTER CATCHES UP WITH LIZZIE.**

Early in June I was invited to the wedding of Miss Betsey Smead and the Honorable Socrates Potter. Miss Betsey had inherited a large estate, and lived handsomely in the Smead homestead, built by her grandfather. She was a woman of taste and refinement, but, in deference to Socrates, no doubt, the invitations had been printed in the office of the local newspaper. There could have been no better example of honest simplicity. The good news sent me in quest of my friend the lawyer. I found him in Miss Betsey's library. He was in high spirits and surrounded by treasures of art."

"Yes, I'm in luck," he began. "Miss Betsey is a dear soul. We're bound to be happy in spite of all this polished brass an' plate an' mahogany. There's nothin' here that I can put my feet on, except the rugs or the slippery floor or the fender. Everything has the appearance o' bein' more valuable than I am. If it was mine I'd take an axe an' bring things down to my level. I'm kind o' scairt for fear I'll sp'ile suthin' er other. Sometimes I

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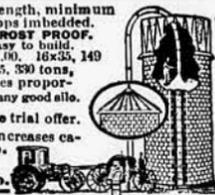
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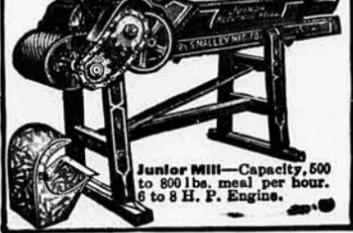
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feel as if I'd like to crawl under the grand piano an' git out o' danger. Now look at old gran'pa Smead in his gold frame on the wall. He's got me buffaloed. Watches every move I make. Betsey laughs an' tells me I can sp'ile anything I want to, but gran'pa is ever remindin' me o' the ancient law o' the Smeads an' the Persians."

"Mr. Potter, I owe so much to you," I said. "I want to make you a present—something that you and your wife will value. I've thought about it for weeks. Can you—"

He interrupted me with a smile and these gently spoken words:

"Friends who wish to express their good-will in gifts are requested to consider the large an' elegant stock o' goods in the local ninety-nine-cent store. Everything from socks to sun-burns may be found there. Necklaces an' tiaras are not prohibited if guaranteed to be real ninety-nine-centers. These days nobody has cheap things. That makes 'em rare an' desirable. All diamonds should weigh at least half a pound. Smaller stones are too common. Everybody has them, you know. Why, the wife of the butcher's clerk is payin' fifty cents a week on a solitaire. Gold, silver, an' automobiles will be politely but firmly refused—too common, far too common. Nothin' is desired likely to increase envy or bank loans or other forms of contemporaneous crime in Pointview. We would especially avoid increasin' the risk an' toll of overworked an' industrious burglars. They have enough to do as it is—poor fellows—they hardly get a night's rest. Miss Betsey's home has already given 'em a lot o' trouble."

His humor had relieved its pressure in the deep, good-natured chuckle of the Yankee, as he strode up an' down the floor with both hands in his trousers pockets.

"Look at that ol' duffer," he went on, as he pointed to the stern features of grandpa Smead. "Wouldn't ye think he'd smile now an' then? Maybe he'll cheer up after I've lived here awhile."

He moved a couple of chairs to give him more room, an' went on: "Now, there's Bill Warburton. I supposed he was a friend o' mine, but we had a fight in school, years ago, an' I guess he's never got over it. Anyhow, I caught him tryin' to slip an automobile on me—just caught him in time. There he was tryin' to rob me o' the use o' my legs an' about fifteen hundred a year for expenses an' build me up into a fat man with indigestion an' liver-complaint. I served an injunction on him."

"Another man has tried to make me the lifelong slave of a silver service. He'd gone down to Fifth Avenue an' ordered it, an' I suppose it would 'a' cost thousands. Tried to sneak it on me. Can ye think o' anything meaner? It would 'a' cost me a pretty penny for insurance an' storage the rest o' my life, an' then think of our—ahem—our poor children! Why, it would be as bad as a mortgage debt. Every time I left home I would have worried about that silver service; every time the dog barked at night I would have trembled in my bed for the safety o' the silver service; every time we had company I would have been afraid that somebody was goin' to scratch the silver service; an' when I saw a stranger in town, I would have said to myself: 'Ah, ha! it may be that he has heard of our silver service an' has come to steal it.' I would have begun to regard my servants an' many other people with dread an' suspicion. Why, once I knew a man who had a silver service, an' they carried it up three flights to the attic every night for fifty years. They figured that they'd walked eleven hundred miles up an' down stairs with the silver service in their hands. The thought that they couldn't take it with 'em hastened an' embittered their last days. Then the heirs learned that it wasn't genuine after all."

"Of course, I put another injunction upon that man. 'If we've ever done anything to you, forgive us,' I said, 'but please do not cripple us with gold or silver.'"

He stopped and put his hand upon my shoulder and continued:

"My young friend, if you would make us a gift, I wish it might be something that will give us pleasure an' not trouble, something that money cannot buy an' thieves cannot steal—your love an' good wishes to be ours as long as you live an' we live—at least. We shall need no token o' that but your word an' conduct."

I assured him of all he asked for with a full heart.

"Should I come dressed?" was my query.

"Dressed, yes, but not dressed up," he answered. "Neither white neckties nor rubber boots will be required."

"How are Mr. and Mrs. Bill?"

"Happier than ever," said he. "Incidentally they've learned that life isn't all a joke, for one of those little brownies led them to the gate of the great mystery an' they've begun to

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Has a hundred and one uses about the farm and home. Keeps chickens free from lice, mites and vermin. GET A CAN TODAY. Most Drug and Hardware stores carry CAR-SUL. If yours don't, just order direct. \$1.25 a Gal. or \$5.00 for 5 Gals.

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The Crocodile Wrench requires no adjustment; simple; always ready for use; never slips. Works in closer quarters than any other wrench. It is light, strong, compact. Easily carried in the pocket. Successfully used as a Pipe Wrench, Nut Wrench and Screw Driver.

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or cleaning threads in bolts used on farm machinery. It is drop-forged from the best steel, scientifically tempered, nothing to get out of order. Look at the actual reproduction of a bolt cut from blank with a Crocodile Wrench—this feature alone will be worth a lot to you.

**Our Special Free Offer**  
We will send the handy Crocodile Wrench free and postpaid to all who send \$2.00 for a 3-year subscription to Mail and Breeze. The Handy Tool is guaranteed to please you in every way or your money will be refunded. The dies on this wrench alone would be worth more than the subscription price in time saved in going to town for repairs.

**FARMERS MAIL AND BREEZE**  
Dept. C. R. Topeka, Kan.

look through 'em an' are wiser folks. Two other women are building earthen lodges on their grounds, an' there's no tellin' where the good work will end."

We were interrupted by the entrance of Miss Betsey Smead. She was a comely, bustling, cheerful little woman of about forty-five, with a playful spirit like that of Socrates himself.

"This is my fiancee," said Socrates. "She has waited for me twenty-five years."

"And he kept me waiting—the wretch!—just because my grandfather left me his money," said Miss Betsey.

"I shall never forgive that man," said Socrates, as he shook his fist at the portrait. "An' she was his only grandchild, too."

"And think how comfortable he might have been here, and how I've worried about him," Miss Betsey went on: "Here, Soc., put your feet on this piano seat. Now you look at home."

"When I achieve the reformation of Betsey I shall have a kitchen table to put my feet on!" said Soc., as I left them.

Then I decided that I would send him a kitchen table.

THE END.

Clean Serum

(Continued from Page 3.)

um to which we have become accustomed is used.

Dr. Reichel used rather a striking simile in illustrating the difference between the ordinary serum and the refined serum. He said: "Let defibrinated blood—the ordinary commercial serum—be represented by a mass containing diamonds, marbles and cinders. The diamonds represent the protective property in the serum; marbles representing the blood-cells, and cinders representing the bacteria. The problem is to remove the marbles and cinders without affecting the brilliancy of the 'diamonds.' The problem was solved; the marbles and cinders were removed, leaving only the protective, clear, sterile liquid, the 'diamonds.'"

It would be interesting to tell how the process of serum production is conducted in this big establishment. The utmost care is used in every process. I was impressed by the sanitary care used on the serum, virus, and test animals. Sanitation seems to be an obsession about the entire plant. Every detail of each step in the process of preparing this serum becomes a matter of permanent record and every precaution is observed in order to insure the purity and potency of the finished product. In the potency tests, instead of using eight pigs, as prescribed by the regulations, 12 pigs are used instead—and the three "check-pigs" which receive virus alone must all promptly die of cholera.

The plant is now producing 100,000 c. c's of refined and sterile serum daily. Extensive additions to the hog cholera serum laboratories are now under construction which will enable them to meet any demand which may come.

The discovery of a process of sterilizing hog cholera serum marks an era in profitable swine production. The new refined and sterile serum possesses all the potency of the blood-serum as drawn from the serum producing hogs; and all of the inert material including all the germs is moved. It is absolutely safe.

Making Roads Better

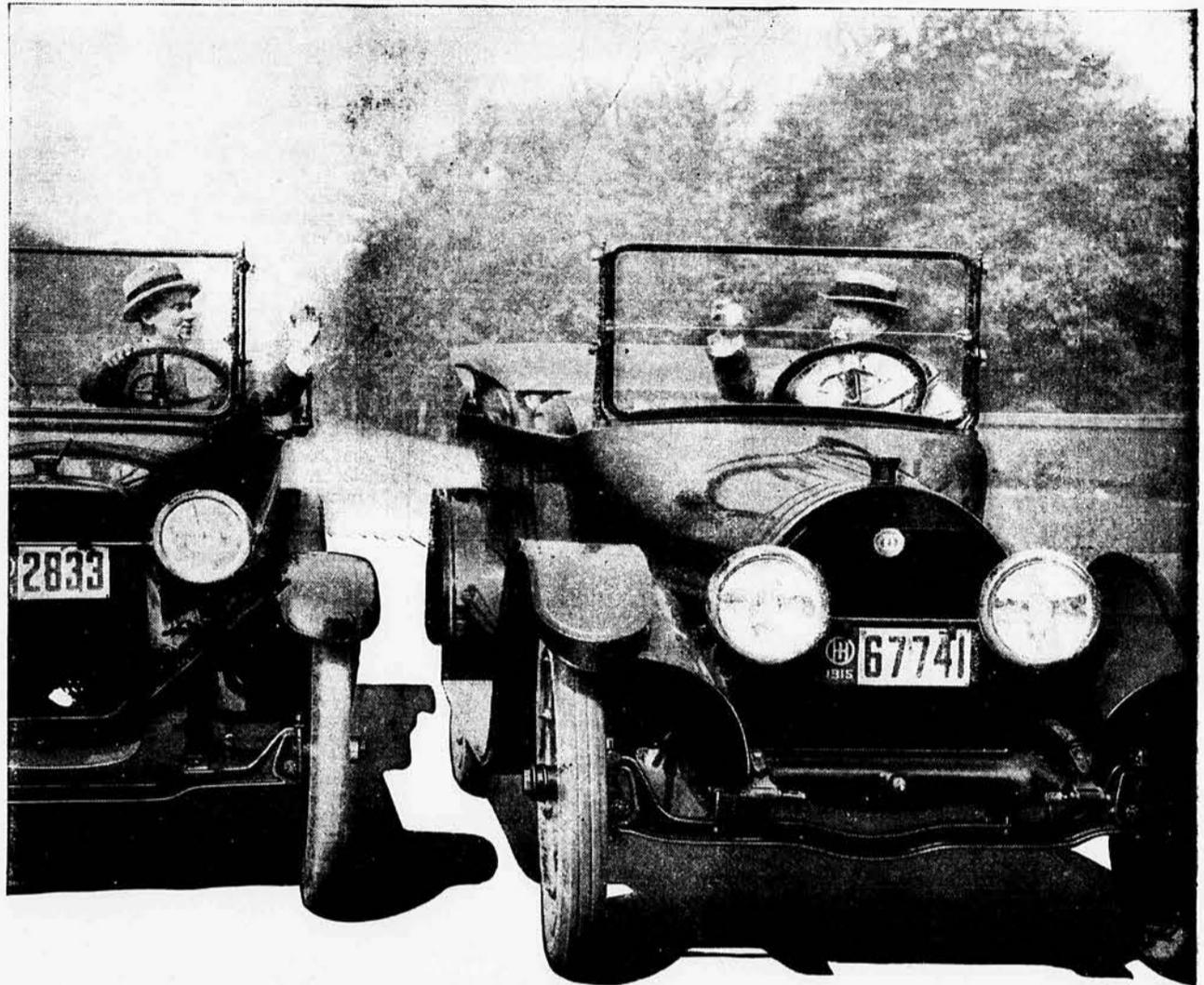
Only 10 per cent of the estimated 2,300,000 miles of roadway in the United States can be classed as "improved" according to the American Highway association. But road improvement is going forward in 1916 faster than at any previous time in the history of the country.—Goodrich Magazine.

Cards for Readers—Free

If you will send us the names of 10 farmers and stockmen living on rural routes, who are not now subscribers to The Farmers Mail and Breeze, we will send you a packet of beautifully gold embossed initial correspondence cards free for your trouble. Address The Farmers Mail and Breeze, Dept. R. C., Topeka, Kan.

Dairymen Meet at Abilene

The Kansas State Dairy association will hold an auxiliary meeting at Abilene, May 20. H. J. Waters, T. A. Borman, and W. B. Barney, an Iowa breeder of Holstein cattle, will be the principal speakers.



Both Boosters

Timken puts highest quality and engineering skill, plus Timken experience, into every axle, regardless of size or price

Both these men know that when it comes to human safety there should be but one standard for big car or little.

And they both know that though Timken Axles may differ in size, they all have the same substantial Timken quality—which never has been, and never will be, limited by pocket book considerations.

Motor cars will, of course, differ in price—and justly—according to their power, size and capacity, the number of their conveniences and the luxury of their appointments.

But both the buyer and the builder of any car, big or little, want—and know that Timken gives them—the utmost safety and long-service value in their car's foundations, the axles, and bearings.

Whether a Timken front axle supports a light or heavy, medium priced or high priced car, it embodies the same precautions against any possibility of breaking at any point.

Whether a Timken rear axle is big or little, whether it is fixed hub type or full floating, whether it has helical bevel or worm drive, you can absolutely depend on it—for it has back of it all the engineering skill and manufacturing ability of a great organization of axle building specialists.

Every part and piece of every Timken-Detroit front or rear axle, large or small, is made of a steel selected with the same care, proved to be the best possible for its purpose, heat-treated by the same processes, machined to size, ground, gauged to the same limits, and assembled under the same system of continuous testing and inspection—followed by every member of the Timken organization with the same sense of responsibility.

Furthermore—in motor car axles certain broad principles of design have become established through Timken experience with motor cars of every size and type. Among these are the proper size and weight of front axle I-beams and steering knuckles for cars of various types, the taper-

ing shank of the steering ball, the pressed steel housing of the rear axle, the splined ends of the axle shafts, and the curved teeth of the helical gear. These are but a few of many cases where Timken assures the car owner of the very best up-to-the-minute engineering practice in axle building.

Finally—and this is worth noting—the Timken Axles in your car, no matter what its size or price, were selected and installed only after many conferences between Timken engineers and the engineers of the car builder. Every detail that could add to your security and satisfaction has been foreseen and provided for.

Any motor car owner should ignore the part played by axles in good motor car values. The facts make mighty interesting reading and are yours for the asking. Write for the Timken Primer F-41, "On Axles," sent free, postpaid, with a list of Timken equipped cars, on request to either address below.



THE TIMKEN-DETROIT AXLE COMPANY, DETROIT, MICH.  
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Yes, it's a fact. You can get the agency for the superb 26 h.p. 5-passenger Birch Motor Car with electric lights and starter, and have the opportunity to get a car free. Make \$3,000 to \$10,000 a year in the automobile business. I will show you how. Special offer now. Write quick—before too late. Address Ralph Birchard, Pres., BIRCH MOTOR COLLEGE, Inc., Dept. 532, Tower Bldg., Chicago

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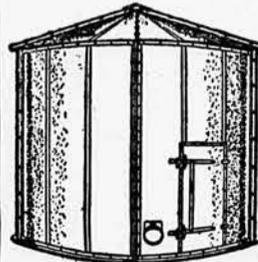
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"O, glorious flag! red, white and blue,  
Bright emblem of the pure and true;  
O, glorious group of clustering stars!  
Ye lines of light, ye crimson bars,  
Unfading scarf of liberty,  
The ensign of the brave and free!"  
—Edward J. Preston.



**"Old Glory" —**

**Our National Emblem**

**Show Your Colors—Let Everyone Know  
That You are a True American—That  
You Love Our Beautiful Flag. Have It  
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Proclaim your loyalty and patriotism to our dear old flag. Every American home should have a flag to unfurl on National holidays and anniversaries as a silent tribute to our nation's heroes whose noble deeds will live forever.

Nothing brightens up the landscape more than the glorious old Stars and Stripes flying in the breeze. We offer a flag any reader will be proud to own, and by buying in large quantities we have made possible the most liberal offer imaginable. The best of material is employed in the manufacture of these flags and the superiority of the workmanship manifests itself in every detail.

The flag is 3 ft. x 5 ft., is hand sewed, warranted fast colors, absolutely rain proof and guaranteed not to fade.

If you will accept the subscription offer explained below, we will be glad to send you this flag. It is the Stars and Stripes and therefore the most beautiful, most glorious flag in the universe.

**You May Have One of  
These Flags Free**

We have purchased a large supply of these flags and while the supply lasts we are going to distribute them among our readers on a most liberal offer. We will send one of these beautiful flags to all who send us \$1.10 to pay for a year's subscription to the Farmers Mail and Breeze. New or renewal subscriptions accepted on this offer.

Kindly use the coupon below when sending in your subscription order. Do not delay but send in your subscription order at once before you forget about it. When our present supply of flags is exhausted this offer will be withdrawn.

**Farmers Mail and Breeze  
Department F. Topeka, Kansas**

**Farmers Mail and Breeze, Dept. F, Topeka, Kansas**

Dear Sir:—Enclosed please find \$1.10 for a one year subscription to Farmers Mail and Breeze and the flag which I am to receive as a gift with my subscription.

Name.....

Town.....

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

**What Shall I Do, Doctor?**

BY DR. CHARLES LERRIGO

**Health Preparedness.**

I find that the editor of your paper is a strong believer in the value of telling you how to keep from getting ill, and how to attend to your little troubles while yet little. So here is a continuation of the preparedness hints begun in the issue of May 6.

Peroxide of hydrogen is a useful preparation for family use. It decomposes rapidly so should be bought in packages not larger than quarter-pound size, for ordinary use. It should be kept in a cool, dark place as deterioration is accelerated by exposure to heat and light. The best known quality of peroxide, aside from its bleaching property, is its work in cleaning up the pus in infected wounds. It may be used in full strength for treatment of wounds, but bear in mind that its use can be overdone. There comes a time when the wound is healing well, as is shown by the little red granulations. You may retard healing at this time by allowing the peroxide to wash away this granulation tissue. This remedy should never be dropped into the ear by an unskilled user as the liberation of the gas in the circumscribed space of the ear may do much damage. For that matter an unskilled person should never drop anything into the ear. Peroxide is a good wash for the teeth and mouth and should be followed by a thorough rinsing with clear water. Used in half strength it makes an efficient throat gargle; if accidentally swallowed it is not harmful. One of the most useful turns peroxide does is to soak up and release an old dressing that has stuck into a wound, and thus make its removal painless.

For a more powerful antiseptic and germicide I recommend iodine which is the antiseptic now most commonly used by surgeons in preparing the skin for operation or in giving first aid treatment to wounds.

You will find that a small bottle of this remedy at hand for immediate application is a very valuable aid in treating wounds of any kind.

There are few things more helpful in rendering "first aid" than adhesive plaster. The best way to buy it for home use is in a roll 5 yards in length and 2 inches wide. The kind known as Z. O. plaster, so called because it is prepared with zinc oxide is the least irritating to the skin. This plaster may be used in innumerable ways, for support, for protection, for drawing wounds together, and for giving rest to inflamed parts. The adhesive plaster dressing for sprained ankle is unsurpassed. It is the very best support for fractured ribs. It may be used to draw gaping wounds together, and by applying the plaster on each side of a wound and then sewing the strips together, results as good as putting the stitches right thru the wound are sometimes obtained. It is invaluable in relieving the stinging pain of cracked and chapped hands. The pain is due to the exposure of the sensitive nerve ends to the air. The plaster relieves the pain at once and allows healing to go on under its protection. Adhesive plaster should not be applied direct to a raw or ulcerated surface of any extent. In such cases apply sterile linen or gauze and use the plaster above it to retain the dressing. Do not apply to a hairy surface without first shaving the skin. One experience will convince you that a mistake has been made, but experiment is superfluous.

Carron oil, a preparation composed of equal parts of limewater and linseed oil is a good preparation to have at hand for the treatment of burns. This may be made sterile and kept so if reasonable care is used. The shock of a severe burn is greatly relieved by its prompt application.

Recently you gave "Anxious Mother" some advice about the time to begin treating "crooked teeth." What is understood by "crooked teeth," and what kinds may be treated?  
MRS. M. L. O.

The term "crooked" may be applied to any teeth that are improperly developed in the jaw. Quite generally they cause protrusion and disfigurement, but aside from the question of looks the really important matter is whether they are so lined up as to give a good masticating surface, and whether they reach such development as to give proper room for the growth of neighboring parts.

If you will observe the alignment of your teeth you will see that they do not meet equally—upper teeth to lower teeth—but with one or two exceptions each tooth is opposed to two in the process of mastication. A tooth that is inefficient therefore impairs the service of two opposing teeth. Worse than that, any lack of development in the jaw cramps the development of the whole bony surface lying above it. The crooked condition may be due to thumbsucking in babyhood; it may be due to the failure of certain teeth to erupt; it may be because a temporary tooth has been lost before its permanent successor was ready to replace it; or it may even be an inherited tendency. In the old days it was accepted as a dispensation of Providence and the victim went thru life with protruding or contracted jaws as the case might be. Now we know that if given charge at a reasonable age the dentist can correct the error in alignment and make the crooked straight. Many a boy and, worse yet, many a girl is suffering the mortification of an ugly face and the discomfort of a poor digestion for lack of the early ministrations of a skilled dentist.

I have just moved to a new place. The previous tenant moved away because his wife died of typhoid fever. How can I determine if the water is safe? RENTER.

The general condition of your well will be some guide. Make sure that it is so located that nothing can drain into it from the closet, outbuildings, barns or yards. It should be on high ground; its casing should be cemented, and should come up 18 inches above the ground so as to exclude surface water. The cover should extend a foot beyond its wall and fit down tightly and snugly. The best material for a well cover is cement, but a cover of tongue-and-groove hardwood flooring laid over and at right angles to a platform of rough sheeting gives good protection. To make sure that the well is not already infected have your county health officer send a specimen of the water to the state board of health for examination; meantime boil all your water before drinking. If you fell heir to the dairy equipment of your predecessor carefully sterilize everything. Scrub all the woodwork in the house with strong soapsuds and let the sunshine get to it, and then apply a fresh coat of paint. Screen all of your doors and windows. Clean up every pile of old trash there is anywhere about the place. With these precautions you may feel reasonably safe.

I have been taking a mineral oil to relieve constipation. It seems to help me but there is an annoying oozing of oil from the rectum. What can I do to prevent this?

A small enema of cool water following stool will help to remove the surplus oil and relieve the trouble to some degree. It is one of the penalties that attach to the remedy, however.

My mother always used to give us a special remedy for fevers—I think it was aconite. Please tell me if this is good for fevers.

Small doses of aconite or aconitine taken in the early stages of a fever which is marked by a dry, hot skin, thirst, uneasiness of mind and body, and quick pulse, usually are very helpful. The time of its usefulness is in the early stages of a fever such as ushers in a common cold. It is a mistake to class it as a "fever remedy" and take it in any and every feverish condition.

**From An Old Friend**

I suppose I am one of the oldest if not the oldest subscriber to the Farmers Mail and Breeze which your records show. I have been a subscriber since the first number of the North Topeka Mail, by Collier and Coutant, and have continued without a break up to this date. Your present publication is surely an exhibit of progress in journalism, composition and press work when considered in comparison to the early issues of the Mail, and its weekly coming is like a letter from home.  
C. F. Bolmar.  
R. 2, Topeka, Kan.

There surely is lots of help in the Farmers Mail and Breeze for the farmer. I have learned a good many things that have helped me in farming.—W. F. Rice, Lebo, Kan.

The water in which potatoes have been boiled is excellent for removing stains from silver articles. Wash the silver in it, rinse, then wipe the pieces dry and polish them with a piece of velvet.

# Here Is One of the \$5,000 CASH

Pictures In Capper's Home Picturegame —

It Was Drawn to Fit the Title of a Book —

Now if you had a list of book titles before you, it wouldn't take very long for you to find the BEST title to it, would it?

We Want Every One of Our Readers to Play This Game

32 pictures comprise the game, each one fitting the name of a book. You get these pictures, then go through the Catalog of Book Titles and pick out the BEST Titles to the pictures. That's all there is to the game picking out titles to pictures. We want you in our game. Accept our offer below today, and win your share of the \$5,000 Cash.

## The Two Sample Pictures Below—

together with the list of titles (taken from the Catalog of Titles) show you exactly how you find the BEST titles to the pictures.

**FIRST—You look at the pictures.**

**SECOND—You go through the list of titles and pick out the BEST titles to the two pictures.**

Sample No. 1



Sample No. 2



The titles, taken from the Catalog. Now find the BEST title to each of the above pictures—

- |                |                 |                 |
|----------------|-----------------|-----------------|
| Great Fortunes | Happy Family    | Christmas Eve   |
| Last Frontier  | Treasure Island | My Father       |
| Boy Scout      | Raffles         | Tramp Abroad, A |

Sample No. 1 plainly shows it means the Island is full of gold and the treasure will make the men rich. "Treasure Island" is undoubtedly the BEST title for the picture. We'll let you find the BEST title to No. 2. It's easy.

Now you can just as easily find the BEST titles to the 32 pictures in this game. You can secure all the 32 pictures, the Catalog of Titles and Reply Book in which to submit your answers, by accepting our wonderful offer—see the coupon at the right hand corner of this page. You should be in this game, and you should win. Don't fail to get into this game and start quickly.

## We Will Send You Free the Rules

showing how everyone can compete without expense, see paragraphs 2, 3 and 11, also full information about the game, object lesson pictures, date to send in answers, etc., if you will ask us for same. But you now know what the game is and how to play it, and you should accept our special offer to you and do it today.

**PICTUREGAME EDITOR,**  
Capper Publications, Topeka, Kansas

PICTURE No. 5



## \$5,000 In Cash Will Positively Be Awarded to Those Who Play This Game Best

And Some of This Cash Should Be Yours—

First Prize .....	\$1,500 Cash
Second Prize .....	\$750 Cash
Third Prize .....	\$500 Cash
Fourth Prize .....	\$250 Cash
Fifth Prize .....	\$125 Cash
Sixth Prize .....	\$100 Cash
Seventh Prize .....	\$75 Cash
Eighth Prize .....	\$50 Cash

and 495 other big cash prizes—and should there be any ties, each tying contestant will receive full prize tied for.

## OUR SPECIAL OFFER TO YOU ACCEPT IT TODAY

We will give you FREE the Complete Picturegame Outfit, Consisting of—

Picture Pamphlet, containing the 32 pictures, Catalog of Book Titles, alphabetically arranged Reply Book, which permits you to make five answers to each picture, and which you send in as your set of answers,

If you will send us in \$1.00 to pay for a one year's subscription to THE FARMERS MAIL AND BREEZE. If you are at present a subscriber your subscription will be extended, or you can send the subscription to a relative or friend.

The 32 Pictures, Catalog of Titles and Reply Book are all you need to play this game, and you should easily win some part of the \$5,000 in cash. Let every member of your family enter and play this game.

**Accept Our Big Offer—Send In the Coupon Below Today—And Get Into This Great \$5,000 Cash Game**

### SPECIAL OFFER ORDER FORM

PICTUREGAME EDITOR, Capper Publications, Topeka, Kansas.

I enclose you \$1.00 for which send me Mail and Breeze for 1 year, and as a gift you are to send me FREE the Complete Picturegame Outfit, consisting of the 32 pictures, Catalog of Titles and Reply Book in which to enter my answers. This Outfit is all I need to enter the game. M.B.

Name .....

Street and No. ....

R. F. D. No. ....Box.....

City .....State .....

Don't fail to send in your order today. Start to play this game at once. Try to win the \$1,500 cash, first prize.

# FARMERS CLASSIFIED ADVERTISEMENTS

Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified advertising because it gives the best results. The rate is low: 5 cents a word; four or more consecutive insertions 4 1/2 cents a word. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery stock, for renting a farm, or securing help or a situation. Write us for proof that it pays. Everybody reads these little ads. Try a classified advertisement now.

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CHOICE PUREBRED ANCONAS AND Fawn Indian Runners exclusively. \$1.00 per setting. \$5.00 per 100. Lucie House, Haven, Kansas.

ANCONAS, STRONG, VIGOROUS, FARM raised stock. Eggs \$1.00 per setting. \$5.00 per 100. Write for printed matter. C. K. Whitney, R. No. 9, Wichita, Kan.

### BRAHMAS.

MAMMOTH LIGHT BRAHMAS, EGGS \$1.00 per 15. A. M. Richardson, Altoona, Kansas.

PRIZE WINNERS, LIGHT BRAHMAS. Eggs 16-\$1.00. Mrs. Ellen Rogers, Sharon, Kan.

### LIGHT BRAHMAS.

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ROSE COMB BROWN LEGHORN EGGS 3C. Mrs. Ida Standiferd, Reading, Kan.

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S. C. BROWN LEGHORN EGGS, HUNDRED \$3. Mrs. A. Anderson, Greenleaf, Kan.

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SWEET CLOVER SEED, (WHITE BLOOM) Scarified. High germination. Sample and prices on application. W. E. Doud, Eureka, Kan.

FOR SALE—SWEET POTATO PLANTS, Yellow Jersey, Red Jersey, Black Spanish, Red Bermuda and Southern Queen at \$1.25 per 1000, ready May 1st. Jno. R. Blevins, R. 6, Box 16, Lawrence, Kan.

SWEET POTATO PLANTS, YELLOW JERSEY \$1 thousand. All other kinds \$1.25 thousand. Tomato plants \$2.50 thousand. 50c hundred prepaid. Give railroad. D. Childs, R. F. D. 27, Topeka, Kan. Phone 3751K2.

THE CELEBRATED HENSLOR YAM sweet potato slips for sale. \$3.00 per 1000 prepaid. Pure stock. A. A. Henslor, Comanche, Texas.

HOMEGROWN ALFALFA AND WHITE blossom Sweet clover, fancy and choice. Write for samples and prices. Asher Adams, Osage City, Kansas.

SWEET POTATO PLANTS, RED BERMUDA, Yellow Jersey. \$1.25 thousand by express. 25c hundred prepaid. T. F. Pine, Lawrence, Kan., R. No. 3.

SUDAN, KANSAS GROWN, FREE FROM Johnson grass, fancy quality, and recleaned. Send for samples and prices. Gould Grain Co., Dodge City, Kansas.

MILLET SEED, I HAVE A QUANTITY of choice German millet seed for sale. Recleaned and fine. Ask for samples and price. E. A. Fulcomer, Belleville, Kan.

POTATO PLANTS—SOUTHERN QUEEN, Yellow Yam, Pink Yam, Nancy Hall, Mississippi Yam, Georgia Yam, prepaid by parcel post. 200-50c. 500-\$1.15. 1000-\$2.25. Safe delivery guaranteed, large quantities, low prices, according to variety. Ozark Nursery, Tahlequah, Okla.

SWEET POTATO PLANTS, LEADING VARIETIES; over 10 million Pumpkin and Dooley; 1000 \$1.75, 5000 and over \$1.60. We guarantee plants. Avoid worthless plants. Buy from us. We had years of experience and ship the best. Satisfied customers. Sinton Plant Co., Box 154, Sinton, Tex.

PLANTS—EARLY, SUCCESSION AND Late cabbage 25 per 100, \$2.00 per 1000. Tomato—Early Tree, Dwarf Champion, Kansas Standard, Stone and Matchless. 30 per 100. \$2.50 per 1000. Sweet potato—Yellow Jersey and Nansemond 17 1/2 per 100, \$1.25 per 1000. Red Jersey, Red Bermuda, Southern Queen. 20 per 100, \$1.50 per 1000. Pride of Kansas and Nancy Hall. 25 per 100. .05 per 100 extra by parcel post. F. P. Rude, North Topeka, Kansas.

NANCY HALL SWEET POTATO PLANTS and Newatons, Redrock, Junepink, Earliana tomato plants \$2.00 thousand. Wakefield, Flatdutch, Allhead, Drumhead cabbage plants \$1.25 thousand. All 5,000 lots prepaid. Any kind postpaid 40c hundred; \$1.00 three hundred; \$1.40 five hundred. Capacity million weekly. Quantity orders solicited. Quick shipment. Catalog free. Acme Plant Company, "Largest Southwest," Bentonville, Arkansas.

CANE SEED 70 CENTS, IN 20 BU. LOTS or more. Smaller lots 75c. Red Top (sumach) cane seed has more leaves, does not sour so badly, stands up good, sows farther, and best for feed. Orange and Red Amber same price. Large German millet \$1.30. Red Kafir 80c. White Kafir black chaff 80c. Whippoorwill cow peas \$2.40. All per bushel, recleaned, our track. Jute bags 15c, seamless grain bags 25c each. Enclose money order or bank draft with your order. The L. C. Adam Mercantile Company, Cedar Vale, Kan.

PLANTS, TOMATOES—EARLY KANSAS Standard, Early Tree, Early Dwarf Stone, Early Dwarf Champion, Beauty, New Stone, Matchless, Sparka Earliana, 25c-100, \$2.00-1000. Cabbage—Early Jersey Wakefield, Early Winningstadt, Charlstons Wakefield, Early Summer, St. Louis Market, Succession, Early Flat Dutch, Late Flat Dutch, 25c-100, \$1.50-1000. Peppers—Hot King, Chinese Giant, Cayenne Long Hot 40c-100, \$3.00-1000. Sweet potatoes—Dooley Yams, Southern Queen, Pride of Kansas, Nancy Hall, Red Bermuda, Yellow Jersey, Yellow Nansemond, Triumph, 25c-100, \$1.50-1000. Black Spanish and Vineless \$2.00-1000. Not prepaid. John Patzel, 501 Paramore St., N. Topeka, Kan.

LIVESTOCK REMEDIES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

NEVER FAIL WART PASTE:—ONE APPLICATION completely removes all Blood Warts, Proud Flesh Growths following wire cuts, Jack Sores, and all such growths. Money refunded if it fails. Easily applied. Full directions. Price \$1.00. Queen City Chemical Co., Winfield, Kan.

FARMS WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

WANTED—FARMS; HAVE 3,357 BUYERS; describe your unsold property. 647 Farmers' Exchange, Denver, Colo.

IF YOU WANT TO SELL OR EXCHANGE property write us. Black's Business Agency, Desk 9, Chippewa Falls, Wisconsin.

I HAVE SOME CASH BUYERS FOR SALABLE farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

LANDS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

CHEAP LAND FOR SALE. F. M. Hindman, Richfield, Kan.

FOR SALE BY OWNER, 120 A. FINE smooth tillable land in Southwest Mo. R. L. Steele, Optima, Okla.

BEAUTIFUL HOMES, BEST SCHOOL town. Improved tracts, irrigated and cheap lands. King & Thompson, Greeley, Colo.

FOR SALE—160 ACRES, ALL UNDER cult. except ten acres. 8 in alfalfa. 6 mi. Wilmore. \$5,000. Clarence Eaton, Wilmore, Kan.

STOCK OF GENERAL MERCHANDISE and farm implements. Invoice about \$12,000. Will trade for land or income property. Address B, care Mail and Breeze.

WANTED—FARMS AND RANCHES! OWNERS send descriptions. We have cash buyers on hand. Don't pay commission. Write Up-to-Date Realty Exchange, La Salle, Illinois.

10 ACRES WELL IMPROVED 4 BLOCKS from school in county seat of Labette County. Fine educational advantages and all public improvements. Only \$3,000. Write or see Mr. H. N. Robinson, Owner, Oswego, Kan.

FOR SALE—MY 80 ACRE BOTTOM FARM 5 mi. from Jamestown, 1/2 mi. from station, also 52 a. Solomon valley land 4 1/2 mi. S. E. of Delphos, 1 1/2 mi. north of Summer-ville. Owner, S. Collins, Jamestown, Kan., R. F. D. 4.

ON MAY 23RD I WILL SELL AT PUBLIC auction all personal property and offer my farm of 160 southwest Minneapolis, 80 acres blue stem, 70 acres corn, 10 acres alfalfa. Never failing water. C. E. Canfield, Minneapolis, Kan.

HASKELL COUNTY FARM FOR SALE, twenty two fifty per acre, good smooth half section, one hundred acres in wheat, one-fourth goes. Three inch tubular. Well three miles of Copeland, Kansas. C. M. Johnson, Minneola, Kan.

FOR SALE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

FOR SALE—THOROUGHbred SCOTCH colts pups. A. A. Artz, Larned, Kan.

FOR SALE—ELI BELT POWER HAY press, good as new. Price \$100.00. George Heydemelch, Medicine Lodge, Kan.

FOR SALE—CARPET LOOM, RUG LOOM, raveler, cutting table, etc., cheap. W. J. Davis, Route 3, Burlingame, Kan.

14 H. P. N. S. STEAM ENGINE 32x52. Red River special separator for sale or trade for auto, must be good. Geo. Rogge, Paxico, Kan.

GOOD RESIDENCE PROPERTY IN HUTCHINSON to trade for 320 relinquishment or deeded land in Colo. J. H. Bryan, Hutchinson, Kan.

FOR SALE—UP-TO-DATE STOCK OF hardware, furniture, harness and implements. Well located Co. seat town. Address M, care Mail and Breeze.

FOR SALE OR TRADE, 1 DOUBLE 18 horse power Nichols & Shepherd steam engine, and 1 32 in Red River special separator. Will consider trade on live stock. The Stephen & Isern Mer. Co., Alden, Kan.

FINE TOPEKA HOME FOR SALE—I WILL sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shade, park like surroundings, lot 61 1/2 by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates, of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 6 per cent instead of the usual 7 per cent. No trade. Address R. W. E., care Mail and Breeze.

FARM MACHINERY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

A BARGAIN—ONE 13 HORSE POWER Garr-Stett traction engine and water wagon. One Ann-Arbor hay press. W. M. Dice, Tecumseh, Kan.

FOR SALE—JOHN DEERE TEN BOTTOM engine plow. Steel water tower 80 ft. high. 4 Davenport roller bearing wagons with 150 bushel bed, ten thousand pounds capacity. Forsha Ranch, Hutchinson, Kan.

CANNERS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

HOME CANNERS—ALL SIZES, USED BY U. S. government schools, girls' clubs, collaborators and farmers everywhere. Headquarters for cans and labels. For catalog and special offer, write Royal Home Canner Co., Dept. 200, Albion, Ill.

BEEES AND HONEY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

ITALIAN BEES FOR SALE. A. H. DUFF, Larned, Kan.

CREAM WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

CREAM WANTED—THE INDEPENDENT Creamery Company of Council Grove, Kansas, buys direct from the farmer. Write for particulars.

PATENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

PATENTS THAT PAY. \$600,812 CLIENTS made. Searches. Advice and two books free. E. E. Vrooman & Co., 885 F, Washington, D. C.

MEN OF IDEAS AND INVENTIVE ABILITY should write for new "List of Needed Inventions," Patent Buyers, and "How to Get Your Patent and Your Money," Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

WRITE FOR LIST OF PATENT BUYERS who wish to purchase patents and what to invent with list of inventions wanted. \$1,000,000 in prizes offered for inventors. Send sketch for free opinion as to patentability. Write for our Four Guide Books sent free upon request. Patents advertised free. We assist inventors to sell their inventions. Victor J. Evans & Co., 825 Ninth, Washington, D. C.

TANNING

Advertisements under this heading will be inserted at 6 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

LUMBER

Advertisements under this heading will be inserted at 6 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

HELP WANTED

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AGENTS

Advertisements under this heading will be inserted at 6 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

MALE HELP WANTED

Advertisements under this heading will be inserted at 6 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

MISCELLANEOUS

Advertisements under this heading will be inserted at 6 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

MAY I GET YOUR MONEY FOR YOU? I have been very successful in settling up estates, and cancelling shares in estates.

Fool The Batter, Boys!

Boys, you can simply make monkeys of the other boys with this curver. You can be as big a hero in your town as any big league pitcher.

Kansas Receives a Wetting

While Not Heavy, the Weekend Rain was Timely

BY OUR COUNTY CORRESPONDENTS

WEEK END rains helped the wheat materially all over Kansas last week. The fruit crop appears to be in good shape with the exception of peaches, which are scarce.

KANSAS.

Morton County—Barley is up and doing well. We are in need of a good rain. Listing is in progress. A great lot of corn is being planted this season.

Greeley County—We are getting a little dry here. Most of the corn planting is done and it is coming good.

Brown County—A two inch rain fell last night. Oats look fine. Wheat looks better. Corn is nearly all planted and some of it is up.

Wabaunsee County—The weather has been warmer the last week. Corn is nearly all planted. Quite a number of fields are up.

Linn County—We have had a week of good farm weather. Corn planting is about over. Wheat and oats are looking fine.

Sheridan County—Wheat is needing rain. Corn planting is well under way. An epidemic of cutworms is doing much damage.

Wichita County—Farmers are listing corn. Barley looks good. Wheat will be light owing to the high winds.

Jackson County—Good, soaking rain on the 12th. Corn planting about finished and it seems to be coming good.

Nemaha County—Corn planting is nearly finished and is coming up. There is a good stand. A two inch rain on the 12th was a great benefit.

Stafford County—Weather cool at present. A good rain is needed. Wheat is doing fairly well but some is being listed up on account of Hessian fly.

Jefferson County—Corn planting is about completed. Has been an ideal spring for planting with just rain enough to make the ground work nicely.

Lyon County—Light shower May 12 is good for the wheat, potatoes and gardens. Wheat looks good.

Marion County—Have had two or three windy days which made the leaves on trees grow fast, and pastures are improving very much.

Smith County—The dry weather and cool nights have been adverse to crop conditions, but a good rain May 12 and another the 13th has put the soil in excellent condition.

Norton County—About 1 1/2 inch rain in last few days, badly needed by wheat and all spring grains.

McPherson County—Corn planting will be finished about the middle of May. A large acreage will be planted.

Allen County—Dry and windy weather the last 10 days has dried the ground out. There is a fair stand of corn but it needs

Cherries, apples and small fruits promise a fair yield. Peaches are reported O. K. in South part of the county but very few in North part.

Chautauqua County—We have had high winds the last two weeks and the growing crops need moisture.

Sedgwick County—Having mean, windy weather. A good rain is needed badly. However, everything is looking good.

Geary County—Weather cool, a three inch rain May 11 and 12. It is too wet to plant corn.

Osage County—A fine rain has fallen. There is a good stand of corn and it is looking well.

Barton County—The weather has been somewhat windy and dry the last week, and a rain would be of benefit to all kinds of crops.

Phillips County—The first good rain of the season fell last night, and a mist drizzle drizzle has fallen all afternoon.

Rooks County—Everything is coming along fine. Wheat is looking about its best. Corn is coming fine as could be expected.

Ottawa County—Windy week, but did no damage to crops as it was followed by the best rain of the season on the 12th.

Kingman County—Rain is needed badly for everything—not a big rain but about an inch.

Norton County—About 1 1/2 inch rain in last few days, badly needed by wheat and all spring grains.

McPherson County—Corn planting will be finished about the middle of May. A large acreage will be planted.

Allen County—Dry and windy weather the last 10 days has dried the ground out. There is a fair stand of corn but it needs

rain badly. Flax and oats are fairly good. Pastures are fairly good. Most corn is planted, also some kafir.

OKLAHOMA.

Harmon County—Farmers are busy listing and planting some cotton. Milo is planted. Corn looks very well, some has been plowed.

McIntosh County—Nice weather for two weeks. Work is going ahead with a rush. Corn is very small but is being worked out now.

Pittsburg County—We are having some fine weather. Crops look better. Wheat and oats are doing nicely.

Pawnee County—Wheat is heading and looks good. Oats are not doing much good. We need a little rain.

Blaine County—Warm and windy weather. Some green bugs on the wheat. Oats doing no good.

Cotton County—Cotton planting is the order of the day in Cotton County. Wheat looks fine.

Pottawatomie County—Very windy last six or eight days, drying the ground rapidly. A large cotton crop will be planted this season.

Many questions are being asked, and I am getting my share of them. There is a somewhat vague understanding of the provisions of the high school law in Kansas.

The New Rural High School

Many questions are being asked, and I am getting my share of them. There is a somewhat vague understanding of the provisions of the high school law in Kansas.

This is the best single piece of educational legislation passed in the last 20 years. It will give high school opportunity to hundreds of thousands of Kansas boys and girls hitherto denied it.

To organize one: first, map out the district desired. Be sure that you get communities that are largely in favor of it. If a group of families upon one side or corner of the district proposed are opposed, they can be left out in making the district.



The Home of M. Burnside of Oakwood, Okla. The Farmers Mail and Breeze is Printing the Pictures of Homes of Crop Reporters.

Manhattan, Kan. Alfred Docking.

# BIG BARGAINS IN REAL ESTATE

Dealers whose advertisements appear in this paper are thoroughly reliable and the many bargains are worthy of your consideration

**Special Notice** All advertising copy discontinuance or change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

**OIL AND GAS LEASES.** Farms and ranches. C. W. Harvey, El Dorado, Kan.

**SNAPS.** 80 and 160, 3 ml. out; fine imp. Possession. Decker & Booth, Valley Falls, Kan.

**PROSPEROUS** Meade County. Land, \$12 and up. No trades. Write J. A. Denslow, Meade, Kan.

**CHASE CO. RANCHES** and grass land for sale only. No trades. Webb & Park, Clement, Kan.

**FOR SALE.** 640 a. unimp. Kan. wheat land, N. E. corner Logan Co., near railroad. \$20 per a. J. E. Tannehill, Garden City, Mo.

**BIO GRANDE** Valley irrigated alfalfa land, half price. Kan. and Colo. wheat lands, \$5 up. Morris Land Co., Owner, Lawrence, Kan.

**FOR SALE,** 160 acres Finney County, Kan., shallow water 15 feet. Wheat, oats, alfalfa and sugar beet land. Mile to station. Price only \$20 per acre. H. H. Hyde, Owner, Gloyd Building, Kansas City, Mo.

**FOR SALE:** 80 acres, joins the city of Wichita; all level and every foot alfalfa land. Nothing as good around it at \$200 per acre. Price for a short time only \$125 per acre. There is a mortgage company loan on this; \$5000 long time 6%. Wright & Edminster, 416 Fourth National Bank Bldg., Wichita, Kan.

**320 A.** Scott County Cream, right close to town with 3 elevators, all good. Will offer for 30 days at \$17.50 per a., terms on \$3,000 at 6%.

**160 a.** every a. fine. 120 a. in cultivation and in crop. Good small improvements. If sold by June 10th, share of crop to purchaser. Price \$3500.

Don't write; come and look; if not satisfied we will refund your money.

The King Realty Co., Scott City, Kan.

**160 A.** Eastern Kansas; 6 room house; barn. All smooth; 50 a. cult. bal. grass. \$45 a. Landrith & Bradley, Buffalo, Kan.

**IMPROVED FARMS** for sale in German Catholic and Lutheran settlement. Write Jake Brown, Olpe, Kansas.

**160 A., 2 MI. OUT,** \$30 a. 80 acres 4 ml. out, \$50 a. Other bargains. Terms. McCarty, La Cygne, Kansas.

**320 A.** fine stock and grain farm, well located. Well impr. Price \$55 per acre; terms. Canterbury & Canterbury, Butler, Mo.

**160 A. WELL IMP.,** 100 cult.; 15 alfalfa, bal. pasture. Creek bottom. No overflow. \$160 income, gas rental. \$45 a. J. W. Showalter, Altoona, Kan.

**70 ACRES** one mile of pavement, Ottawa, Kansas, 7 room house, extra fine, large barn, other splendid improvements, everything up in splendid condition. Owner wishes to sell on account of business opportunity. Write for full description and view of improvements. Mansfield Land Company, Ottawa, Kansas.

## GOOD KANSAS LAND CHEAP

Those who located in Central Kansas 20 years ago are farmers today. Their land has made them independent.

Your chance now is in the five Southwestern Kansas counties adjacent to the Santa Fe's new line, where good land is still cheap.

With railroad facilities this country is developing fast. Farmers are making good profits on small investments. It is the place today for the man with little money.

Wheat, oats, barley, speltz, kafir and broom corn, milo and feterita grow abundantly in the Southwest counties referred to. Chickens, hogs and dairy cattle increase your profits.

Write for our illustrated folder and particulars of easy-purchase contract by which you get 160 acres for \$200 to \$300 down, and no further payment on principal for two years, then balance one-eighth of purchase price annually, interest only 6 per cent—price \$10 to \$15 an acre. Address

E. T. Carltidge, Santa Fe Land Improvement Co., 1869 Santa Fe Bldg., Topeka, Kas.

**160 A.** Bourbon County, 2 miles to town, dark limestone soil, no stone; 80 acres cultivated, 40 meadow, 40 bluegrass; well improved, good water. \$60 an acre. Chenault Bros., Fort Scott, Kan.

**VERY FINE** 800 acre wheat and stock ranch, 6 ml. out; highly improved. If sold by June 1st, 1/2 of wheat goes with sale. Snappy price for 30 days. Send for list of 60 fine farms. Buxton & Rutherford, Utica, Ness Co., Kan.

**960 ACRES STOCK AND GRAIN RANCH.** Improved, fenced and cross fenced. Two good wells and handles 200 head of stock without the range. Perfectly smooth, no rock or gravel, all good wheat land. Only 3 1/2 miles to Ry. point and 5 1/2 miles to Leoti, Co. Seat of Wichita County, Kansas. Price \$10.00 per acre, 1/2 cash. D. F. Carter, Leoti, Kan.

**FOR SALE:** 640 acres, a square section, all tillable, smooth land in Lane county, Kan. All the best quality of black loam soil, free from defects. 440 acres in cultivation, 200 acres of it sod, just broken, 100 acres now in wheat; no improvements, best bargain in Kansas, at \$15 per a. Terms on part. A. J. Bellport, Jr., Wichita, Kan.

**160 A.,** 8 ml. town, good blue stem grass, \$20 per a. Good 1/2 sec. 7 ml. town, 120 in cultivation, bal. pasture. Some improvements; \$9500. Good terms. 320 a. fine level land, 11 ml. town, \$22 per a. 320 a. 14 ml. town, \$15 per acre. 1/2 sec. 5 ml. town, 2 sets improvements, half in cult. 3 fine 1/2 sec., all could be cultivated, \$22 per a. Easy terms; could be sold separately. Fine bottom land, 1/4 ml. town, \$65 per a. 160 a. 7 miles Brownell, \$15 per a. 320 a. 9 miles Ogallah, \$15 per a. We have many other farm lands and ranches for sale. Write us what you want and we will find it for you. Western Real Estate Co., Ellis, Kan.

**A RUSH COUNTY, KANSAS, SNAP.** 160 acres, 150 acres in wheat, share with place, good location, no improvements, only \$5,000. Terms. Write Jas. H. Little, La Crosse, Kansas.

**SELL LAND AND LOTS AT AUCTION.** It is the surest, quickest, most successful method, proven by hundreds of auction sales this season. For terms, etc., write LAFE BURGER, LAND AUCTIONEER, Wellington, Kan.

**WHEAT LANDS FOR SALE.** A few choice wheat farms in Rush Co., Kan., can be bought with a small cash payment; bal. on wheat plan. Write for particulars. Schutte & Newman, Kansas.

**A REAL BARGAIN.** 273 a. good smooth land, 100 a. bottom, 2 sets improvements; good 8 room house, big barn, 10 a. bearing orchard; 4 1/2 miles to good R. R. town. Part cash, bal time; easy terms. Worth \$60, price \$45. Salter Realty Co., Wichita, Kan.

**CHASE COUNTY FARM.** 280 acres 6 miles Elmdale, main Santa Fe. 120 acres cultivated, 1/2 bottom, 1/2 second. 160 acres fine grazing, good improvements, daily mail, telephone, fine location, some timber. 40 acres alfalfa. \$13,000. Terms on half. J. E. Bocock & Son, Cottonwood Falls, Kan.

## 320 Acres Santa Fe R.R. Lands

1 1/2 miles of Marienthal, Wichita Co., Kansas. Good house and barn; well and windmill in sheet water district with enough water to irrigate whole tract. Will sell for \$25 an acre and will carry \$3200.00 back on place. Write and tell me your wants. C. A. FREELAND, Leoti, Kan.

## FOR SALE OR EXCHANGE

**E. KANSAS** farms in Catholic settlements. Exc. Frank Kratzberg, Jr., Greeley, Kan.

**TRADES EVERYWHERE.** Exchange book free. Bersie Agency, El Dorado, Kan.

**206 ACRES** Anderson Co., Kan. Improved; to exchange for clear land or income property. J. F. Ressel, Colony, Kansas.

**TO TRADE**—Good 160 a. in Hamilton Co., Kan. Submit proposition, giving price, etc. Haines & Conner, Hutchinson.

**240 A., 160 A. CULT;** good buildings, fine water. 10 ml. county seat. Clear. \$6,000. Want mdse. Box 84, Springdale, Ark.

**ARK-OKLA. INV. CO.,** Siloam Spgs., Ark., sell and exch. real estate, mdse., and other property. Describe what you have and want.

**160 A.** in Marshall Co.; 130 cult., bal. grass. Good imp. 100 a. Inc. \$4400. Long time at 6%; want cheaper land or city property. A. A. Murray, Westmoreland, Kan.

**160 ACRES** near Artesia, Pecos Valley, New Mexico. Clear of encumbrance; unimproved; artesian well district; all alfalfa and orchard land. Want Kansas or Missouri land, or Merchandise. Casida & Clark, Ottawa, Kansas.

**320 NEAR HUGOTON, WILL TAKE AUTO.** Fine, smooth half section. 11 miles south County seat. Buffalo and Red Top grass. No cultivation. No improvements. Price \$15 per acre. Will take good car in part pay, carry \$800 on land long time, and balance cash. Land-Thayer Land Co., Liberal, Kansas.

**MODERN BOTTOM FARM, CLOSE IN.** 30 acres, 2 1/2 ml. from Washburn college. Buildings new; 5 r. house, large barn, 2 silos, Fairbanks scales, gasoline engine. Everything in first-class condition. Easy terms. Possession any time. Price \$8,000. Stephenson & Webb, Topeka, Kan.

**640 Acres—\$6.25 per Acre** Well grassed pasture land, 15 miles from Liberal. No improvements. Bargain at price. Terms, too. Do you want our list of Choice farms? Griffith & Baughman, Liberal, Kan.

## DIRT CHEAP

160 a. in German settlement, smooth, level, raw land. Price \$17.50 per a., \$1,300 cash, bal. 3 yrs. 6%. Best bargain in country; good soil—fine crops. Don't write, but come at once. Coons & Jacobs, Plains, Kan.

## TREGO COUNTY GUARANTEED LAND.

Wheat, corn, hogs and cattle leading products. Some real snaps. \$16 to \$40. Write for particulars. E. D. Wheeler, Wakeeney, Kansas.

## 80 ACRES ONLY \$500

Wilson Co., Kan., 60 a. cult., 20 a. past., good bldgs.; 100 hens, cow, 2 sows, share crop goes; only \$5200; terms; \$500 holds it; no interest. R. M. Mills, Schweiter Bldg., Wichita, Kan.

## SCOTT COUNTY

160 a. level, near Modoc; close to school. 70 acres wheat; \$15.00, terms. Improved farms, ranches, alfalfa land. R. H. CRABTREE, Kansas

**Stevens Co., Kansas Special** 160 acres 4 miles S. of Moscow; nice smooth land. Sandy loam. The farm across the road made 40 bushels of wheat per acre in 1915. A snap. \$2000.00. Moscow Land Co., Moscow, Kansas.

## These Good Rains

mean big crops, and advanced land prices. Buy while you can secure good wheat farms, every foot smooth and tillable at from \$9 to \$17.50 per acre. Write for list and literature. Satanta Land Co., Satanta, Kan.

## RANSOM

Is located on the famous Dutch Flatts in the center of a fine agricultural district in Ness County, Kansas. The country is developing rapidly, but I can still sell land at from \$10 to \$35 per acre. V. E. West, Real Estate Dealer, Ransom, Ks.

## Rooks County Land

160 acres, 150 acres in cultivation, all in wheat; 1/4 delivered at market goes with land. Price \$5250. A. L. Graham, Stockton, Kan. Real Estate and Farm Loans.

## Santa Fe Land Co.

We have good propositions for the man with \$100, as well as the man with \$100,000. Large and small tracts, improved and unimproved. Terms, cash or easy payments. Low interest rates. Hugoton, Kansas.

## TO EXCHANGE QUICK

for mdse. General stock preferred. 560 a. of all smooth, unimproved land located in Lane Co., Kan. No better soil in the state. Approximate value \$21 per a. I have all kinds of wheat and alfalfa land for sale. Address C. F. Edwards, Ness City, Kansas.

## GOOD 1000 acre ranch;

200 a. second bottom, all in cultivation; bal. pasture, somewhat rolling; good improvements. \$20 per a. Can take improved half section with some alfalfa in Greenwood county on this. 320 acres, will take small residence as first payment, sell bal. on wheat crop plan. Western Real Estate Co., Ellis, Kan.

## Ranches For Trade

42,000 acres improved ranch Southwest Texas \$210,000. 14,000 acres improved ranch Southwest Texas \$8 per acre. 6000 acres Southwest Texas \$10 per acre. 26,000 acres stocked and improved New Mexico \$330,000; and many other large and small tracts. H. H. HYDE & COMPANY, Gloyd Bldg., Kansas City, Mo.

## 200 ACRES

On the Bay of Galveston, well improved, all under irrigation, rice and fruit land. \$65 per a. Will exchange for Kan. land, 80 a. well improved, 40 a. apple orchard, 4 a. peaches, some small fruit. 2 miles from Gentry, Benton Co., Ark., \$9,000. will exchange for west Kan. land. Some fine clear homes in Wichita to exchange for land. 237 acres in Cass Co., Texas, improved, 175 acres cult., bal. timber, \$25 per a. will exchange for Kan. land. Live Wire Realty Co., Wichita, Kansas.

## ATTENTION HOMESEEEKERS!

100 farms for sale. Land that has averaged production of from ten to thirty per cent of its value per year for ten years. If interested address The Benton & Hopkins Investment Co. Oberlin, Kansas

## Lyon County Farm

About one section, near Emporia, seventy acres in alfalfa, fine grass, good water and good buildings; combination farm. Will take smaller farm or good rental property as part pay. Write Owner, Box 24, Olpe, Kansas.

## FARM BARGAIN

280 acres, 3 miles good town, 80 miles Kansas City, all tillable, 180 a. in cultivation, 40 a. native meadow, 60 a. pasture, 7-room house, frame barn 30x40, and out bldgs., near school and church, 2 good wells, living spring, the best bargain in East. Kan. Price \$47.50 per a. Earl E. Sewell, Garnett, Kan.

## Ness County Lands

Good wheat and alfalfa lands at \$15 to \$25 per acre. Fine crops of all kinds in 1914 and better crops in 1915. No better soil in Kansas. Land in adjoining counties on the east \$40 to \$75 per acre. Buy here while land is cheap. Write for price list, county map and literature. No trades. Floyd & Floyd, Ness City, Kansas.

## LANE CO.

If you want to buy a farm or ranch, in the coming wheat, corn and stock county of the West, write me as we have bargains from \$8.00 to \$25 per acre. Both improved and unimproved. Let me know what size farm you want and how much you want to pay on the same. W. V. Young, Dighton, Kansas.

## Free Map

Send today for colored lithographed map of Ness County and list of land bargains. MINER BROS. (Established 1885) Ness City, Kan.

## COLORADO

## 320 HOMESTEADS

Government land is all taken. I have now four 320 acre homestead relinquishments. Good. \$550 to \$1900 each. Cash. Improved. Write now. R. T. Cline, Brandon, Colo.

**640 ACRES,** gently rolling, all plow land, splendid soil, one and one-half miles Cheyenne Wells, County Seat, exceptional bargain \$10 per acre; half cash, balance to suit. Cheyenne County Land Company, Cheyenne Wells, Colorado.

**MR. FARMER AND RENTER:** Why delay buying a good ranch when we can sell you improved land in the rain belt in Elbert County, Colorado, which will produce as much as Central Kan. \$450 down, balance 5 years six per cent. Write for literature; better still COME AT ONCE. H. P. Vorles, Pueblo, Colo.

## Farms and Ranches

I have a few of the best and cheapest farms and ranches in the BEST of Colorado—four counties—160 to 1920 acres. We have the climate, soil, crops, rainfall, schools, people and we will not and cannot be undersold. Get the facts and references NOW. R. T. Cline, Brandon, Colo.

## NEBRASKA

**180 A.** best Nebraska wheat land \$25 acre. Yields 35 bushels to acre. Buy direct from owner. Write J. M. Swenson, Sidney, Neb.

**808,812 BUSHELS OF WHEAT 1915.** Free booklet of Cheyenne County, Neb. Greatest wheat section. Land \$10 acre, up. D. R. Jones, Sidney, Neb.

**FOR SALE.** Improved 1400 acre ranch located 1 mile from good town on main line U. P. R. R. in Cheyenne Co., Neb. Price \$17.50 per a. Write for our illustrated booklet. H. C. Casselman, Sidney, Neb.

**FINE LITTLE RANCH—480 a.,** 200 fine cult., bal. fine pasture, well fenced; ample bldgs., good condition. Station 6 ml. McCook, Neb. (Pop. 4,000). 11 ml. good roads. School 1 1/2 ml.; phone and R.F.D. Best small ranch in county. \$25 per a., 1/4 cash, bal. any time desired. 5%. No trades. Write R. A. Simpson, Owner, Blue Hill, Neb.

## WISCONSIN

**30,000 ACRES** cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhineland, Wis.

**OKLAHOMA**

**OKLA LANDS.** 40 to 500 a. tracts. Write for list. Roberts Realty Co., Nowata, Okla.

**FARMING.** pasture, oil and gas land, \$3 to \$15 a. J. E. Cavanagh, McAlester, Okla.

**FINE CORN,** wheat, alfalfa and wild grass land in fine prairie country. Fine climate, \$15 to \$75 per a. Illustrated folder free. E. G. Eby, Wagoner, Okla.

**FARM HOMES** in the corn, fruit and alfalfa belt of Oklahoma, \$10 to \$30 per acre. Pure water. Good terms. Free list and map. Perry DeFord, Oakwood, Okla.

**WHY PAY** \$150 an acre for Missouri, Iowa and Kansas land, when you can buy just as good farm lands for 1/2 or less? Big oil and gas field. J. W. Davis, Ada, Okla.

**160 ACRE DAIRY FARM,** 8 room house, inexhaustible supply soft cool water. Windmill, 2 silos, good land, good market butter and milk. Stock, machinery, etc., if desired. 1/2 cash, balance 6%. Charles Whitaker, Eufaula, Okla.

**20 ACRES,** 1/2 ml. McAlester city 15,000, 15 a. in cult., 12 of which is dry bottom. Fair improvements. Price \$40 acre. Terms. Southern Realty Co., McAlester, Kan.

**400 ACRES,** 5 1/2 miles Oakwood. Second bottom and pasture land, 75 cultivated. Small house, well and windmill. All under fence. A good stock and grain farm. Price \$5,000. L. Pennington, Oakwood, Okla.

**Oklahoma Land For Sale**

Good land in Northeastern Oklahoma; price from \$20.00 to \$35.00 per acre. Write for price list and literature. W. C. Wood, Nowata, Okla.

**A RARE CHANCE**

You can buy 3 extra good farms, 3 miles east of Vinita, Okla. (643 acres, or this can be sold as one farm.) Extra strong, level corn land, no overflow. Two good new houses; two other houses, good barns, etc. Very small cash payment; balance may run as purchaser desires. A quick sale is very desirable. Address: W. M. MERCER, Owner, AURORA, ILL.

**Dewey, Washington Co., Okla.**

Located in a splendid oil, gas and agricultural country. Has two steam railroads, one electric interurban, water works, sewer system, electric lights, natural gas, paved streets, free mail delivery, manufacturing plants, two National banks, splendid schools, the best county fair in the state and three thousand live energetic citizens. Want more folks like those already here. For information, write: Joe A. Bartles, Dewey, Okla.

**MISSOURI**

**SPECIAL BARGAINS.** Ozark farms and ranches—sale or trade. J. H. Engelking, Digging, Mo.

**SMALL farms** in S. E. Mo. and Central Ark. near R. R. and good market. Price and terms to suit. G. A. Long, Williamsville, Mo.

**HAVE** some fine dairy and poultry farms on easy terms with small payments down. Write for booklet on this country and exchanges. J. A. Wheeler, Mountain Grove, Mo.

**WEST MO.** fine well imp. farms \$15 to \$40 per a. Large list. Osborn Realty Co., Osceola, Mo.

**POOR MAN'S CHANCE**—\$5 down, \$5 monthly, buys 40 acres good land, near R. R. town; some timber; price \$200. \$10 monthly buys 80 a. Write for list Box 425-O, Carthage, Mo.

**TEXAS**

**A SNAP.** 480 a., imp. 200 in wheat. Land and location choice. \$15 a. \$1300 cash, bal. easy. J. N. Johnson Land Co., Dalhart, Tex.

**BARGAINS IN FARMS AND RANCHES.** Improved and unimproved. Midland, Upton and Glasscock counties; 70,000 acres for sale right. Henry M. Halff, Owner, Midland, Tex.

**RANCH BARGAINS**

10,000 acres Culberson County, Texas, grass knee high, \$2.00 bonus; 45,000 acres Reeves County, \$2.50 bonus; 6000 acres Webb County \$3 per acre. 33,000 acres Terrell County \$1.25 per acre and many other large and small tracts. H. H. HYDE & COMPANY, Gloyd Building, Kansas City, Mo.

**NEW YORK**

**88 ACRES;** belongs to widow; nice laying land, 7 room house; barn with 6 cow stalls, 3 horse stalls. Well watered; 30 acres tillable. For \$700; \$400 cash, balance time to suit. Hall's Farm Agency, Owego, Tioga Co., N. Y.

**ARKANSAS**

**ARKANSAS LANDS.** All kinds for hogs and cows. H. Hall, Waldron, Arkansas.

**FOR SALE.** 39 a., 1 1/2 miles out, well imp. 7 a. orchard. Bargain, \$3500. 10 a. tract for auto. Foster & Austin, Gravette, Ark.

**ARIZONA**

**COME TO CASA GRANDE,** Ariz., and take a new lease on life. Climate unsurpassed—best and cheapest place to raise alfalfa, fruit, olives, hogs and cattle. Bountiful water supply. Good land cheap. Geo. W. Burgess, Casa Grande, Ariz.

**The Highest Hogs This Year**

**Pork Prices Go Booming up to 22 1/2 Cents Above the Previous May Record—Conditions Forecast Less Wheat**



**HOG PRICES** last week were the highest this year and about 22 1/2 cents above the previous May record. The top price was \$9.90 and closing prices were 10 to 15 cents above the previous week. In the four and one-half months this year prices have advanced about \$3.25 and the market at the high point is showing large demand. Receipts last week diminished moderately, compared with the preceding week, tho they were about 20,000 more than a year ago. The decrease is attributed to seasonable weather for corn planting, tho country shippers contend that fat hogs are becoming scarce and that the rush of farm work has not been much of a factor in the decrease. Local prices held within 5 to 10 cents of Chicago until today, when an advance there with little chance to test values here put the lake market in the lead by 20 to 25 cents. Light weight hogs there are selling as high as heavy grades, tho here heavy weight hogs com. and a slight premium. The spread in prices was comparatively small.

Last week's trade in cattle started with a decline of 10 cents Monday. Tuesday advance car reports indicated small supplies the rest of the week and the market turned up. The net gain for the week for fat steers was 15 to 25 cents. Yearling steers were irregular. Medium grades declined 10 to 15 cents and prime and plain grades were steady.

Some high record prices were paid. Idaho steers sold up to \$9.25. West Texas steers brought \$8.85 and prime 687-pound yearling steers sold up to \$9.75, as high as any previous price in the last month. The bulk of the fed steers brought \$8.75 to \$9.40. Colorado, Utah and Idaho are supplying an unusually large per cent of the offerings, but commission men say the bulk of those cattle have been marketed.

Prices of cows and heifers declined 15 to 25 cents last week. Grass fills were an important factor, and from now on killers say butcher cattle will be "sappy" enough to make considerable difference in killing per cents. Veal calves and bulls were quoted steady.

Stockers and feeders were lower on Monday, but the decline was regained later. Stock cows and heifers declined 20 to 25 cents. Few stock calves were offered.

Sheep prices advanced 25 to 40 cents, making new high record levels. Fed lambs sold up to \$12, clipped lambs \$10, Arizona spring lambs \$11.50, and clipped Texas ewes \$8. Receipts were fairly liberal here, tho light elsewhere. Few winter fed lambs are available, and because of a backward season Texas will not supply many grass fat sheep early. Arizona is the only state that is marketing spring lambs. The bulk of the Western lamb crop is said to be under contract for fall delivery to feeders.

Receipts of livestock, with comparisons, are here shown:

	Last week.	Preceding week.	Year ago.
Cattle—			
Kansas City	25,500	28,225	22,200
Chicago	39,500	40,200	37,600
Five markets	101,900	100,975	94,225
Hogs—			
Kansas City	47,575	53,800	43,725
Chicago	110,000	133,000	98,000
Five markets	271,075	348,400	252,025
Sheep—			
Kansas City	45,630	35,950	30,600
Chicago	55,500	53,900	48,000
Five markets	131,030	135,950	107,500

Serious impairment of the crop prospects, recently so promising in Kansas, following the great winter losses of area and condition in the Central States, imparted a new element of strength to the wheat market last week, tho the effect of this factor was modified by good rains in portions of Kansas and Nebraska, where moisture was needed. Closing prices were a little more than a cent higher than a week ago.

Impairment of the Kansas crop was attributed to Hessian flies, dry weather, green bugs, poor seed and unfavorable planting conditions last fall. In some instances loss was estimated to be as much as 50 per cent.

While damage from Hessian flies is always more or less local, the infestation this year in Kansas appears to extend over a greater area than ever before known owing partly to the wet weather last year following harvest, which caused more than the usual amount of shattered grain and produced a larger percentage of vol-

unteer wheat, offering a place for the insects to breed.

Damage to winter wheat extends over such a wide area and results from so many different causes that a short crop this year now seems inevitable.

The government crop report issued Monday showed 4,236,000 acres of winter wheat abandoned this year, the third largest on record.

Generally favorable weather permitted the completion of nearly all spring wheat seeding and the crop was put in the ground under better conditions than expected, in view of the delay. Some authorities are inclined to modify their estimate of reduction in area, making it about 10 per cent less than last year's big area. On this basis the area this year is about 17 1/2 million acres. In the five years prior to 1915 average yield of spring wheat was about 12 1/2 bushels an acre, which, if duplicated this year, would make the crop about 218 million bushels.

Unless conditions are extraordinarily favorable between now and harvest the aggregate winter and spring wheat crop seems unlikely to exceed 725 million bushels, or about 100 million bushels in excess of home needs. This is cutting the surplus down to proportions that make any additional deterioration a serious matter.

In addition to the indicated shortage in the United States smaller wheat areas are reported in Canada and other important wheat producing countries, and the outlook is the basis for widespread belief in ultimately higher wheat prices.

Buying is restrained by the prospects of a large carry-over from the last crop, which may be sufficient to make up the prospective shortage in the coming crop.

Foreign markets maintained a fair degree of strength, and export business in Canadian wheat continued on a fairly large scale, but reported sales of United States wheat were small. Arrivals abroad continue large and shipments keep liberal, inducing complacent attitude over immediate supplies.

Exports of wheat and flour from the United States and Canada last week, according to Bradstreet's were 10,205,000 bushels, compared with 9,302,000 bushels in the preceding week and 6,687,000 bushels a year ago.

Exports of wheat from Argentina last week were 2,096,000 bushels, compared with 3,616,000 bushels a year ago. Australia shipped 2,124,000 bushels, but scarcity of tonnage continues to restrict movement from India.

World's shipments of wheat last week, as will be reported by Broomhall tomorrow, will probably aggregate about 14 1/2 million bushels, compared with 12,195,000 bushels a year ago.

With the completion of spring seeding movement of wheat in the Northwest increased moderately, but winter wheat marketing decreased somewhat. Receipts at the five important primary centers were 3,518 cars, compared with 3,355 cars in the preceding week, and 2,817 cars a year ago.

Movement of Canadian wheat continues very large. Winnipeg last week received 5,411 cars, compared with 4,884 cars in the previous week and only 938 cars a year ago. The July price there closed yesterday 1 1/2 cents higher than a week ago. Stocks of corn in Kansas City decreased about 275,000 bushels last week.

Exports from the United States were 847,000 bushels.

Previous to Friday, when rain fell in the Southwest, rapid progress had been made in planting the new crop, with probability of an enlarged acreage reported nearly everywhere.

Hard Wheat—No. 2, nominally \$1.09 @ 1.17; No. 3, nominally \$1.07 1/2 @ 1.16  
Soft Wheat—No. 2, nominally \$1.08 @ 1.15; No. 3, nominally \$1.04 @ 1.12  
Corn—No. 2 white, nominally 71 @ 71 1/2 c; No. 3, nominally 70 1/2 @ 71 c; No. 2 yellow, nominally 72 @ 72 1/2 c; 1 car 72 c; No. 3, nominally 71 @ 71 1/2 c;  
Oats—No. 2 white, nominally 46 @ 47 c; No. 3, nominally 43 @ 46 c; No. 2 mixed, nominally 40 @ 42 c; No. 3, nominally 36 @ 41 c.  
Rye—No. 2, nominally 89 @ 90 c.  
Shorts—Nominally \$1.05 @ 1.10.  
Corn Chop (city mills)—New bags, nominally \$1.38.  
Seed—Per cwt., alfalfa, \$16.50 @ 18.50; clover, \$12.00 @ 15.00; cane seed, 85 @ 97 c; 1 car black amber 95 c; millet, German, \$1.65 @ 2.00, 1 car \$1.90; common, \$1.30 @ 1.45; Siberian, \$1.25 @ 1.40.

**MONTANA**

**OUR BOOKLET FREE.** 80 to 320 a. tracts. Fine stock ranches. Western States Land & Development Co., Helena, Mont.

**FARM LOANS**

**FARM AND CITY MORTGAGES** a specialty. Write us if you wish to borrow. Perkins & Co., Lawrence, Kan.

**Money to Loan on Cattle**



We make a specialty of buying stockers and feeders on the market. Write for information. This paper or any market paper sent Free to Customers.

**Lee Live Stock Commission Co.**  
KANSAS CITY AND ALL MARKETS

**Ship Us Your Stock That You Want to Market**

Our twenty years' experience on this market will save you money. Each department is looked after by competent men. Our weekly market letter will be sent free upon request. See that your stock is billed to us.

**Ryan-Robinson Commission Co.**  
421-5 Live Stock Ex., Kansas City, Mo.

**Bigger Hog Profits.**



Keep your swine free from disease, strong and healthy, by using CAR-SUL as a dip or spray.

**CAR-SUL**

"The Universal Dip and Disinfectant"  
Kills all lice—keeps pens, hog houses and lot free from vermin and disease spreading flies. Most Drug and Hardware stores sell CAR-SUL. If yours don't, ORDER A CAN TODAY—direct from us. 1 Gal. \$1.25; 5 Gals. \$5.00—charges prepaid.

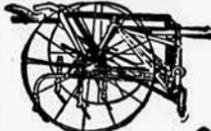
**MOORE CHEMICAL CO., Kansas City, Mo.**

**Auto-Fedan Hay Press**

2-Horse 3-Stroke Self-Feed. Guaranteed. Two men can run it. Saves 1/2 the labor. Takes feed with division board. Absolutely safe.  
Send us your orders and consignments of Hay.  
Auto-Fedan Hay Press Co., 1814 Wyoming, Kansas City, Mo.

**THE TWENTIETH CENTURY CULTIVATOR**

Four Shovel Pin Break \$22.65  
Six Shovel Pin Break \$24.15



Four-Shovel Spring-Trip, \$24.15  
No levers, always in balance, simple construction. Can be balanced from a weight of a boy 65 lbs. to a man weighing 300 lbs., in a moment without a wrench. The only cultivator equipped with eccentric balancing adjustment. Equipped with hinge seat which enables the operator to ride or walk. Wheels are made with concave tires. Write for our big Farm Implement Catalog.  
**SWANSON-ST. JOSEPH PLOW CO.**  
St. Joseph, Mo.



For hot summer days you can have nothing that will afford more pleasure than a quiet hour in a hammock in some shady nook.

**The Leno Hammock**

We have arranged to give a hammock free to everybody as a gift for a small club of subscriptions. The Leno Hammock is open weave, heavy 5-ply yarn, two-tone red, yellow and green alternating in bars, very attractive and the best in the market this season. We will send this \$4.80 Hammock with pillow postpaid for two yearly subscriptions to Mail and Breeze at \$1.00 each or one 2-year subscription at \$2.00.  
**MAIL AND BREEZE, Dept. H, Topeka, Kan.**



### Jas. T. McCulloch

Below is a list of 95 satisfied customers for whom I conducted public auctions during the past seven months. More than fifty per cent of all the pure bred stock sales of northern Kansas during these months are included in this list. I respectfully refer all interested parties to any of these gentlemen.

- F. W. Miller.....Leonardville, Kan
- Chas. Harbour.....Green, Kan
- John Maher.....Blaine, Kan
- Chas. Morris Estate.....Westmoreland
- John F. Harper.....Keats, Kan
- S. Thompson.....Leonardville, Kan
- R. W. Jones.....Clay Center, Kan
- R. R. Miller.....Clay Center, Kan
- John E. Keene.....Clay Center, Kan
- Mike Klein.....Clay Center, Kan
- C. Clauson.....Leonardville, Kan
- Ed. Nickelson.....Leonardville, Kan
- R. Butzenhart.....Blaine, Kan
- W. F. Fulton.....Waverly, Kan
- L. L. Crumm.....Miltonvale, Kan
- L. C. Taylor.....Stockdale, Kan
- Peter Luft.....Almena, Kan
- J. F. Foley.....Oronoke, Kan
- Alfred Carlson.....Cleburne, Kan
- J. L. Griffiths.....Riley, Kan
- J. W. Anderson.....Leonardville, Kan
- W. C. Dubois.....Agra, Kan
- W. F. Challis.....Westmoreland, Kan
- E. R. Morgan.....Blue Rapids, Kan
- Herman Kasener.....Flush, Kan
- J. M. Downs.....Clay Center, Kan
- Edward Welter.....Flush, Kan
- O. Sweedeburg.....Leonardville, Kan
- Johnson Bros.....Leonardville, Kan
- Mott & Seaborn.....Herington, 2 Days
- G. B. Area.....Flush, Kan
- M. Vilander sale at Manhattan, Kan
- M. Vilander sale at Cleburne, Kan
- Ben W. Wells.....Irving, Kan
- John J. Johnson.....Riley, Kan
- Frank Heines.....Riley, Kan
- C. Vincent Jones.....Clay Center, Kan
- D. W. McNair.....Zeandale, Kan
- O. R. Strauss.....Milford, Kan
- L. D. Hansen.....Clifton, Kan
- M. H. Wagenradt.....Riley, Kan
- Glen Keesecker.....Washington, Kan
- H. L. Shaw.....Riley, Kan
- Carl P. Anderson.....Olsburg, Kan
- M. A. Walsh.....Blaine, Kan
- John V. Smith.....Irving, Kan
- Elmer Modine.....Olsburg, Kan
- Leo Zeller.....St. George, Kan
- Chas. F. Sutterlin.....Westmoreland, 2 Days
- Redington & Rasmussen.....Irving, Kan
- John O. Hunt.....Marysville, Kan
- R. Roenick.....Morganville, Kan
- Carl Skow.....Leonardville, Kan
- A. J. Swingle.....Leonardville, Kan
- E. S. Engle & Son.....Abilene, Kan
- Ind. Creamery Co.....Council Grove
- Samuel Myers.....Green, Kan
- G. Johnson.....Leonardville, Kan
- Dr. R. H. Graham.....Clay Center, Kan
- C. J. Huggins.....Wamego, Kan
- Alex. Kaine.....Wamego, Kan
- C. A. Grove.....Bigelow, Kan
- W. A. Hinsdale.....Irving, Kan
- Guy Carlson.....Olsburg, Kan
- E. P. Flannigan.....Chapman, Kan
- E. N. Stetes.....Dillon, Kan
- Thomas Thornton Est. Clay Center
- John Fredricks.....Green, Kan
- Thompson Bros.....Garrison, Kan
- John Annell.....Randolph, Kan
- J. H. Harter.....Westmoreland
- .....Sale at Valley Falls, Kan
- J. H. Harter.....Westmoreland, Kan
- L. A. Oberhelman.....Winkler, Kan
- Alfred Rasmussen.....Cleburne, Kan
- O. Vandoll.....Cleburne, Kan
- Geo. C. Tyler.....Frankfort, Kan
- D. S. Engle.....Abilene, Kan
- Chas. Klein.....Clay Center, Kan
- J. B. Swank & Sons.....Blue Rapids
- A. J. Lund.....Bala, Kan
- Oscar Burgrum.....Bala, Kan
- Jas. B. Healy.....Hope, Kan
- N. V. Johnson.....Levant, Kan
- Carl Behrent.....Oronoke, Kan
- F. W. Stadel.....Wakefield, Kan
- Samuelson Bros.....Blaine, Kan
- Ben Hughes.....Clay Center, Kan
- Roy Walker.....Clay Center, Kan
- B. M. Lyne.....Oak Hill, Kan
- R. M. Johnson.....Wamego, Kan
- A. J. Anderson.....Green, Kan
- J. H. Johnson.....Randolph, Kan
- F. S. Long.....Westmoreland, Kan
- E. G. Munsell.....Herington, Kan

For Open dates, address, Jas. T. McCulloch, Clay Center, Kan.

## WHAT BREEDERS ARE DOING

**FRANK HOWARD.**  
Manager Livestock Department.

### FIELDMEN.

A. B. Hunter, S. W. Kansas and Okla., 123 Grace St., Wichita, Kan.  
 John W. Johnson, N. Kansas, S. Neb. and Ia. 820 Lincoln St., Topeka, Kan.  
 Jesse R. Johnson, Nebraska and Iowa. 1937 South 16th St., Lincoln, Neb.  
 C. H. Hay, S. E. Kan. and Missouri. 4204 Windsor Ave., Kansas City, Mo.

### PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

### Shorthorn Cattle.

June 16—S. S. Spangler, Milan, Mo.

### Poland China Hogs.

Oct. 18—Fred G. Laptad, Lawrence, Kan.  
 Oct. 20—Peter Luft, Almena, Kan.  
 Oct. 21—J. F. Foley, Oronoke, Kan.  
 Oct. 31—A. J. Swingle, Leonardville, Kan.  
 Nov. 1—J. L. Griffiths, Riley, Kan.  
 Feb. 24—C. F. Behrent, Norton, Kan.

### Duroc-Jersey Hogs.

Oct. 18—Fred G. Laptad, Lawrence, Kan.  
 Oct. 17—F. J. Moser, Goffs, Kan.  
 Nov. 2—Lant Bros., Dennis, Kan.  
 Feb. 2—J. H. Proett & Son, Alexandria, Neb.  
 Feb. 8—W. T. McBride, Parker, Kan.  
 Feb. 10—W. W. Jones, Clay Center, Kan.

### Hampshire Hogs.

Feb. 27—Carl Schroeder, Avoca, Neb.

### S. W. Kansas and Oklahoma

BY A. B. HUNTER.

H. W. Estes of Sitka, Clark county, Kansas, has a card announcement in this issue of Farmers Mail and Breeze in which he is offering nine registered Shorthorn bulls. Five of these bulls are roan and four are reds. He is including in this offering his herd bull that weighs a ton. These bulls range in age from 10 to 22 months, and they are all good ones. Look up the ad in this issue and write Mr. Estes if interested. When writing please mention Farmers Mail and Breeze.—Advertisement.

### Registered Holstein Cattle.

George C. Tredick, owner of Tredico Farm of Kingman, Kan., has a card announcement in this issue of Farmers Mail and Breeze. Mr. Tredick is offering registered Holsteins. He is a breeder of high class cattle and in no sense a trader. He has his herd tested every year by the state. Parties wanting strictly high class, high producing registered Holsteins should correspond at once with Tredico Farms. Please mention Farmers Mail and Breeze when writing.—Advertisement.

### N. Kansas, S. Nebr. and Ia.

BY JOHN W. JOHNSON.

W. E. Monasmith, Formoso, Kan., who practically dispersed his great herd two years ago, still loves the red hog well enough to raise a few litters each year. This spring he has about 30 pigs and they are certainly good. He will have some boars to sell this fall.—Advertisement.

N. D. Simpson, Esbon, Kan., has bred Duroc-Jerseys for 25 years. The writer visited Mr. Simpson at his farm near Esbon last Monday and found him with a nice lot of spring pigs by Long Special and a Wonder by Belle's Prince Wonder. Also 25 choice November and December gilts that will be grown out for the fall trade. Mr. Simpson has an ideal stock farm and is a strong advocate of the Duroc-Jersey hog. He will immunize everything.—Advertisement.

E. A. Trump, Formoso, Kan., is one of the pioneer Duroc-Jersey breeders of Northern Kansas. He has stayed with the game and while he has not raised as many as in former years he has kept up his herd and this spring has a nice lot of March and April pigs and some good September and October gilts for sale later on after he has bred them to farrow about October. Defiance 2d, by old Defiance, is still in service in the herd. Mr. Trump will not hold a public sale but the top boars from this spring crop will be sold at private sale. Watch for his announcement soon.—Advertisement.

### Kansas Herd Chester Whites.

Arthur Mosse, Rural Route 5, Leavenworth, Kan., owner of the Kansas Herd O. I. C. and Improved Chester White swine, is changing his regular card announcement in this issue of Farmers Mail and Breeze. By reference to the advertisement you will see that he is specializing in pairs and trios not related. He ships his pigs in light crates, furnishes a pedigree with every pig, guarantees satisfaction and prices his stuff worth the money. What more can a breeder offer? His hogs are of a popular breed and he produces them in such a way that they give a good account of themselves in the purchaser's hands. Note his ad and if interested write him at once, mentioning Farmers Mail and Breeze.—Advertisement.

### Baldwin's Duroc-Jerseys.

R. W. Baldwin, the big Duroc-Jersey breeder of Conway, Kan., starts a card ad in this issue of Farmers Mail and Breeze. Mr. Baldwin is well known to the readers of this paper as he has carried his advertising with us for three years past. He has sold hundreds of Duroc-Jerseys to Farmers Mail and Breeze readers and we have never had a complaint from one of his customers. The only complaint we have

ever had in connection with his advertising was from a man who sent a check and had it returned for the reason that Mr. Baldwin had sold out his hogs before receipt of the check. At the head of the Baldwin herd are two state fair prize winning boars. The offering at this time is made by these two boars and out of high priced, richly bred sows. Mr. Baldwin allows anyone who is not satisfied with a pig bought from him to return the pig by paying the express one way. Note the ad in this issue and if interested write today, describing what you want. Kindly mention Farmers Mail and Breeze when writing.—Advertisement.

### Immunized Duroc-Jerseys.

D. O. Bancroft, Osborne, Kan., breeds Duroc-Jerseys and has advertised in the Farmers Mail and Breeze for 10 years without missing an issue. He renewed his contract again last week for another year. He sells everything he can raise that is good enough for breeding purposes at private sale and has built up a big business. He has 100 pigs farrowed and is raising 77 good ones out of that number. About half are by Max Golden Ruler and the rest by D. O.'s Critic, a great yearling bred by E. C. Crocker of Filley, Neb. Everything on the farm is properly immunized. Mr. Bancroft offers some good fall gilts open or bred and spring pigs of either sex.—Advertisement.

### Poland Pairs or Trios.

R. J. Bazant, Narka, Kan., breeds Spotted Poland Chinas and has 100 pigs of March and April farrow for sale at 10 weeks old. They are sired by big, massive boars and out of brood sows that are certainly good to look at. The foundation of the herd came from several different eastern herds and were bought at good long prices. Mr. Bazant has decided to try out the selling plan of offering his pigs at 10 weeks old at prices that will be found very low. He will ship them in light crates and the express will be much lighter than on older stock. He will mail the pedigree with each pig and he can furnish pairs and trios not related. Look up his advertisement in this issue of the Farmers Mail and Breeze and write him for prices.—Advertisement.

### Kemmerer's Poland Chinas.

John Kemmerer, Mankato, Kan., breeds registered Poland Chinas and has 70 pigs of March and April farrow. They are mostly by Long King's Best Son, a 3-year-old herd sire that has been of great service in this herd. The rest of them are by Big Bobby Wonder, a great yearling, sired by Big Bob Wonder and out of O. K.'s Maid, a famous brood sow in the H. B. Walter herd at Effingham, Kan. Big Bobby Wonder is truly an outstanding yearling with smoothness and quality with great size and is the best yearling boar the writer has seen in some time. Sixteen barrows, farrowed in September and now in the fattening lot and all sired by Long King's Best Son and out of the good sows in the herd should convince any farmer that the best is the money making kind.—Advertisement.

### Norton County Breeders Organize.

Last Thursday night the Norton commercial club entertained the breeders and stockmen of Norton county at a big successful banquet which was served at Garrity's hall. The spread was prepared by the ladies of the Baptist church and the young business men of Norton waited upon the guests. Over 200 were present and enjoyed the banquet and program arranged by the commercial club. Prof. C. W. McCampbell of the Agricultural college was the principal speaker. Prof. McCampbell is not only a good speaker but is thoroughly familiar with livestock conditions in Kansas and his talk to Norton county breeders and farmers on this occasion was very entertaining and instructive and well received by his hearers. Other short talks were made by H. T. Nelson of Norton, L. P. Rothchild of Kansas City, Carl Behrent, J. F. Foley, George Goodman, Samuel Teaford, Peter Luft, Arthur Saum and others, all prominent breeders and stockmen of Norton county. For some time the Norton county breeders have been considering the

**Farmers Mail and Breeze Pays Advertisers**

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Have received lots of inquiries and good results. Yours very truly,—D. L. H. Mills, Breeder of Jerseys, Waterville, Kan., April 10, 1916.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—You may continue our ad for two weeks as we have not sold all the fall pigs yet. Have had many inquiries from four different states—the Farmers Mail and Breeze surely reaches the buyers. Think we will sell six head to a Ft. Scott man. This will make six weeks altogether and when the time is up send statement and we will send check. Yours very truly,—Lant Bros., Breeders of Duroc-Jerseys, Dennis, Kan., May 12, 1916.

**This Beautiful FREE SET RING**

Warranted genuine gold filled—will wear for years. Most valuable ring ever offered on such easy terms. Set with two Rubies and two Brillants, latest style and most substantial mounting. A Ring that is sure to please, who send 30 cents to pay for a two year subscription to our big home and story magazine "The Household". Be sure to say what size you want. Address HOUSEHOLD, Dept. 53-R, Topeka, Kansas.

**LIVESTOCK AUCTIONEERS.**

**Rule Bros., H. T. & R. D., Ottawa, Kan.**  
Livestock sales a specialty. Write for dates.

**Jas. T. McCulloch, Clay Center, Kan.** Reference: The breeder. I am selling for every year. Write for open dates.

**R. L. Harriman, Bunceton, Mo.**  
Selling all kinds of pure bred livestock. Address as above.

**Spencer Young, Osborne, Kan.**  
Livestock Auctioneer. Write for dates.

**WILL MYERS, BELOIT, KAN. LIVESTOCK AUCTIONEER**  
Reference, breeders of North Central Kan. Address as above.

**FLOYD YOCUM LIVESTOCK AND REAL ESTATE AUCTIONEER**  
ST. JOHN, KAN.

**Col. E. Walters Skedee Oklahoma**  
**W.B. Carpenter 818 Walnut St. Kansas City, Mo.**

Sell your farms and city property at auction, as well as your pedigreed livestock. Write either for dates. Also instructors in

**Missouri Auction School**

**HORSES.**

**Combination Stock Sale**  
At 10 A. M. at farm 4 mi. S. W. of St. John, Kan., Tuesday, May 23

One Mammoth Jack, 11 mammoth Jennets, good ones, 31 horses and mules, all good ages and weight. Cattle: 1 good milk cow, 3 good Holstein cows. Farm implements. SUSIE NEILL, ST. JOHN, KANSAS.

**Best 1550 lb. Percheron**

Who owns best 1400 to 1700 registered Percheron stallion in your section? Also several best 1100 to 1400 mares. (No ancestry requirements for mares.) It is quality we want. We want you to start a new breed of horses. Write for information.

**WAGON HORSE ASSOCIATION**  
W. B. Carpenter, Pres.,  
818 Walnut St., Kansas City, Mo.

**FARMERS MAIL & BREEZE**  
ENGRAVING DEPARTMENT  
—TOPEKA, KANSAS—  
CUTS OF YOUR LIVESTOCK FOR LETTERHEADS & SALE CATALOGS

**54 extra heavy, 3, 4 and 5-yr.-old registered Percheron stallions ready for heavy stand; 38 growthy 2-year-olds ready for some service and develop on. 19 Belgian stallions. It is a good idea to come right to the farm where they are grown and buy at first cost. Just above Kansas City, 47 trams daily. Fred Chandler Percheron Ranch, R. 7, Chariton, Iowa**

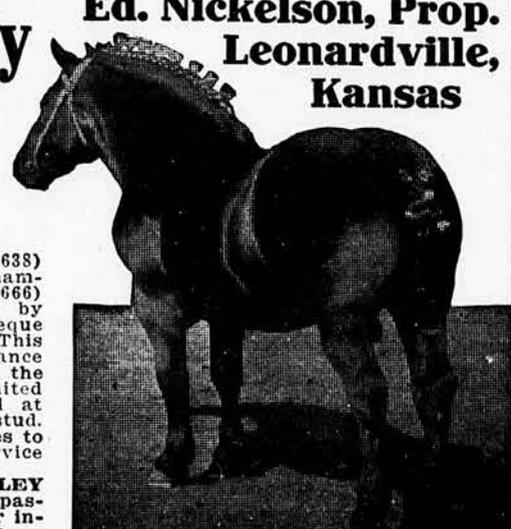
Pure-Bred License No. 4664

**Riley County Breeding Farm**

**Ed. Nickelson, Prop. Leonardville, Kansas**

I have bought Jeun (84638) 8359, the undefeated grand champion sired by Carnot (66666) 66666 and out Tulipe 58429 by Lachere (48474) he by Besique (19692) by Brilliant 3rd. This great stallion was bred in France and has been referred to as the second best stallion in the United States and will be retained at the head of my Percheron stud. I can breed a few good mares to him for other breeders. Service fee, \$100 for a live colt.

Shipments received at RILEY and LEONARDVILLE. Mares pastured free. Write for further information. Address as above.



**BERKSHIRE HOGS.**  
 Berkshire \$12.50 and \$15 each. Pairs and trios not related. Pedigree with each pig.  
**W. LINSOTT, Holton, Kan.**

**HAZLEWOOD'S BERKSHIRES**  
 Bred gilts all sired. Booking orders for spring pigs. Prices reasonable. Write for circular.  
**HAZLEWOOD, WICHITA, KANSAS**

**Meadow Brook Berkshires**  
 500 to 1000 Head  
 always on hand. Our sows are the best we can get of all the leading families. We keep 6 to 8 of the best herd sows we can produce or buy. All immune and nothing except good breeding animals shipped. Write your wants today.  
**E. D. King, Burlington, Kansas**

**CHESTER WHITE HOGS.**  
**IMMUNED O. I. C'S.** Booking orders for March and April pigs; pairs and trios not akin. A. G. COOK, LURAY, KANSAS

**O. I. C. FALL BOARS** for sale. Also booking orders for spring pigs, both sexes. Everything immune. Registered free. F. C. GOOKIN, RUSSELL, KANSAS

**Silver Leaf Herd O. I. C's.**  
 A fine two-year-old sow, sired by International Boy, bred for last of August farrow. Price \$40. January, February and March pigs, both sex, not related. Bred right and prices right. Satisfactory. C. A. CAREY, VALLEY, KANSAS

**Fehner's Herd of O. I. C. Swine**  
 Anything shipped anywhere on approval. Write today for prices. Herd immune. Member of either O. I. C. or C. W. Ass'n. HENRY F. FEHNER, Higginville, Mo.

**Smooth Heavy Boned O. I. C's**  
 100 choice spring pigs, priced right. Descendants from blue ribbon winners, champions and grand champions. All ages for sale at all times. Write for circular, photographs and prices. F. J. GREINER, BILLINGS, MO.

**Kansas Herd of Chester White Or O. I. C. Swine**  
 Pairs and trios not related. Shipped in light crates and satisfaction guaranteed. Pedigrees with each pig. Priced for quick sale. Arthur Mosse, Route 5, Leavenworth, Kan.

**POLAND CHINA HOGS.**  
**Poland China** fall boars, good big stretchy fellows, priced to sell. Ed Beavers, Junction City, Kan.

**Enos Immuned Polands**  
 Three choice late spring boars now ready for service. Also 30 choice late summer boars and gilts. They are all sired by Orphan Chief and Mastodon King. A. R. ENOS, RAMONA, KAN.

**FAIRVIEW POLAND CHINAS**  
 FOR SALE: Yearling herd boar, a proven breeder. Young boars, heavy-boned fellows, ready for immediate use. Also choice fall pigs. Bargain prices. Write your wants. F. L. WARE & SON, Paola, Kansas.

**Poland China Gilts**  
 bred to your order. Also two good fall boars for sale. Write today. Andrew Kosar, Delphos, Kan.

**Spotted POLAND CHINAS**  
 Four extra good September boars at \$20 each to move them quick. Worth double this amount if you need a good one. Pigs for sale at 10 weeks old. Papers with every pig. Carl F. Smith, Cleburne, Kan.

**Original Big Spotted Polands !!**  
 Private Sale—91 pigs for sale at 10 weeks old. Papers with every pig. Farmers prices. Shipped in light crates. Out of mature sows and half ton sires. Alfred Carlson, Cleburne, Kansas

**I Ship On Approval**  
 90 choice Poland China pigs ready to ship—can furnish boars and gilts not related. A few serviceable boars and some fall gilts bred or open. The best of big type breeding. All at farmers prices. Ed. Sheehy, Hume, Missouri

**BRED GILTS—PRIVATE SALE**  
 20 extra choice Aug. and Sept. Poland China Gilts, sired by Kansas Chief, and out of my choice herd sows, immunized last fall. Pedigree with each gilt. Have just started breeding them. 60 pigs, both sexes, for sale. Farmer's prices.  
**F. M. HAMMON, SMITH CENTER, KAN.**

**Big Spotted Polands**  
 100 pigs at private sale at 10 weeks old. Both sexes. Pairs and trios not related. I sell these pigs at farmers prices and guarantee satisfaction. Pedigrees with every pig. Write to day.  
**R. J. BAZANT**  
 Narka, Kan., Republic Co.

**Big Type Polands!**  
 Herd headed by the 1020 pound Big Hadley Jr., grand champion at Hutchinson, 1915. Fall boars by Big Hadley Jr. and Young Orphan, by Orphan Big Gun that was 1st in Oklahoma Futurity, 1915. We are booking orders for spring pigs out of our best herd and show sows.  
**A. J. ERHAET & SONS, Ness City, Kan.**

**DUROC-JERSEY HOGS.**  
**IMMUNE DUROCS:** Choices fall boars. Best of blood lines, one and two years old. Every animal guaranteed. E. L. HIRSCHLER, HALSTEAD, KAN.

**12 SEPTEMBER BOARS** Several of them herd prospects. Prices right. Write for breeding and prices. F. J. MOSEL, GOFFS, Nemaha Co., KANSAS

organization of a Norton county breeders' association and it was to give them an opportunity to get together and form such an organization that the Norton Commercial club tendered this banquet. George S. Scott, the toastmaster, explained the object of the meeting after the program was completed and turned the meeting over to the breeders' organization. Samuel Teaford was elected president, Carl Behrant, secretary and treasurer, Peter Luft, Arthur Conkey and Arthur Saun were elected directors. It is felt that great good will result from the organizing of this association. Robert Mousel of Cambridge, Neb., was expected to attend and make an address. He was unable to attend but sent a paper which was read. He commended Norton county for their showing of the community spirit in forming this association and predicted that it would be of much benefit to the livestock industry in Norton county. Seventy-four members joined the association and the next regular meeting will be held May 20. While the association is a Norton county affair it was voted to take in members from adjoining counties who were interested in better stock. In fact anyone that is interested in good stock is eligible. The membership fee is \$1.00. The association will get behind the Norton county fair which is already one of the best county fairs in the state and make it without question a bigger and better fair. There is much good work that can be done by an association of this kind and the Norton county "bunch" are not timid about getting behind anything that is for the good of their county.

**Prolific Duroc-Jerseys.**  
 Ralph P. Wells, Formoso, Kan., is well known as a breeder of Duroc-Jerseys and has been a good buyer at leading Duroc-Jersey bred sow sales in the past. He has a nice crop of spring pigs but will not hold a public sale either this fall or next winter but will sell all of his top boars this fall at private sale, also some good last September gilts that will be conditioned and bred for October farrow. The fall gilts are mostly by Crimson Defender, by I Am A Crimson Wonder 2d. A noted sow in this herd is Golden Promise, 4 years old and by a grandson of old Tatarax. Ten pigs is the smallest litter she ever farrowed and has farrowed 80 pigs in six litters. She is raising seven pigs this spring out of a litter of 10, sired by Crimson Defender.—Advertisement.

**Jones Offers Duroc Pigs.**  
 W. W. Jones, Clay Center, Kan., a Duroc-Jersey breeder, bought sows bred to noted boars last winter. He has 74 pigs of March farrow. Among them is a litter of four boars and one gilt, out of a fine sow that he bought of Ira Jackson, bred to Orion Cherry King, the Royal grand champion over all breeds in a class of 800 boars. He has others by Illustrator 2d, Geo. Briggs & Sons' great breeding boar. In service at the head of the herd is Jones' Model Pal, by Pal's Model, by Model Pal. He is 3 years old and one of the best individuals in the West. He is a big, massive fellow that will weigh around 750 pounds all the time. Another boar that is in service is J's Good E. Nuff, by the champion Good E. Nuff Again King. He is 1 year old and a splendid individual. Look up Mr. Jones' advertisement in this issue in which he is offering pigs at 10 weeks old.—Advertisement.

**Very Choice Poland Gilts.**  
 F. M. Hammon, Smith Center, Kan., is a well known breeder of Poland Chinas in Smith county. He is starting his advertisement in the Farmers Mail and Breeze this week and is offering 20 August, September and October gilts for private sale that are simply great. They are by his herd boar, Kansas Chief. He is a big 2-year-old and one of the best around 700 pounds and his sire, Phillips County Long King by old Long King weighed over 1000 pounds and was a remarkable sire. These 20 gilts are out of choice sows on the Hommon farm and are excellent in every respect. Mr. Hommon has just started breeding them to a great yearling boar sired by John Foley's Panama Giant. This yearling Mr. Hommon bought in Foley's last fall sale at Norton and he was a popular favorite in that sale. These 20 gilts will be sold at very reasonable prices and sold bred or open to suit the purchaser. They are very choice and the best of breeding.—Advertisement.

**S. E. Kan. and Missouri**  
 BY C. H. HAY.  
 Any one in the market for good Holsteins should not overlook the ad of the Montgomery County Holstein Friesian association. The members of the association have a fine lot of young stock for sale. Mr. Ewing, the secretary, will furnish you with complete and accurate description and price list. Mr. Ewing is an established Holstein breeder and knows the good ones. Write him if interested in good Holsteins.—Advertisement.

**Duroc-Jersey Boars and Gilts.**  
 Lant Brothers, of Dennis, Kan., have a few choice fall Duroc-Jersey boars and gilts for sale. They are sired by Golden Model Again and Crimson Surprise and out of choice sows of excellent breeding. In their breeding operations Lant Brothers look carefully to size with quality. They guarantee their stock to please. If interested write them, mentioning Farmers Mail and Breeze.—Advertisement.

**Publisher's News Notes**  
 Keep Animals Free from Parasites.  
 Lice may truly be reckoned among the "little things" which, as is so generally the case, are often a big source of annoyance and loss. Horses, cattle, sheep and hogs are all subject to some parasitic diseases which affect, to a varying degree, their health, productiveness or appearance, as the case may be. For such conditions a good dip and disinfectant is essential and, as it is often necessary to apply it locally, uniform strength is a highly desired attribute. What a farmer needs is a preparation that he can depend on for absolute uniformity, no matter where or when he buys it. A good example of this is Dr. Hess' Dip and Disinfectant, judging from its wide usage and favorable repute. At all events it is known that Dr. Hess, the compounder, is a skilled and experienced veterinarian, regarded by many as an authority on stock and poultry ailments, and what might be

**DUROC-JERSEY HOGS.**  
**Durocs of Size and Quality**  
 Fall herd boars and gilts of large smooth, easy feeding type. From the champions Defender, Superba, Golden Model, and Gano Breeding. Prices reasonable.  
**JOHN A. REED, LYONS, KAN.**

**Big Type Herd Boars**  
 20 big, husky yearling and fall boars, by G. M.'s, Crimson Wonder and Good Knout Chief Col. A choice yearling by Illustrator II and a Golden Model dam at \$30. Herd header prospects. Order. G. M. SHEPHERD, LYONS, KAN.

**DUROCS—RED POLLS—PERCHERONS**  
 20 immune boars, \$30 each. 2 bulls \$125 each. Young ton stallions—bed rock prices. 1 good registered jack  
**GEO. W. SCHWAB, Clay Center, Nebraska**

**TRUMBO'S DUROCS**  
 Herd Boars: Golden Model 56th 146175, Crimson McWonder 160983, Constructor 187651. Write your wants.  
**WESLEY W. TRUMBO, PEABODY, KAN.**

**BONNIE VIEW STOCK FARM**  
 Duroc-Jerseys  
 Fall boars and gilts by A Critic out of sows by Grand Champion Tet-A-Walla.  
**SEARLE & COTTE, BERRYTON, KANSAS**

**30 Duroc Boars 100 to 180 lbs. \$15 to \$25**  
 4 herd prospects, \$30 to \$35. 50 gilts to farrow in August. A few tried sows bred for June farrow, \$25 to \$50. Write me. I price them worth the money.  
**J. E. WELLER, FAUCETT, MISSOURI**

**Jones Sells on Approval**  
 80 March pigs at weaning time. Don't fail to write me for breeding and prices. Sows to farrow in August for sale. W. W. Jones, Clay Center, Kansas

**DUROCS \$20**

**NORTON COUNTY BREEDERS ASSOCIATION**  
**HEREFORDS—POLANDS** Grover Mischief, a grandson of Beau Mischief heads herd. 85 spring pigs. A annual cattle and hog sale in February. C. F. Behrant, Oronoque, Kan.  
**POLAND CHINAS** 12 top Sept. boars by Panama Giant. 5 out of a big Orange dam. 100 Spring pigs. Annual boar and gilt sale Oct. 21 at Norton. J. F. FOLEY, Oronoque, Kansas.  
**Poland Chinas** 10 Sept. gilts by Luft's Orange. Will sell them open or bred them to your order. Boar and gilt sale Oct. 20. PETER LUFT, ALMENA, KANSAS.  
**SHORTHORNS** 4 yearling bulls, by Pilot, by the \$700 grandson of Avondale and Whitehall Sultan heads our herd. N. S. LEUSZLER & SON, Almena, Kansas.

**DUROC-JERSEY HOGS.**  
**DUROC-JERSEY BOARS AND GILTS** Gilts bred to order to a good son of the champion Critic B. 200 pound fall boars, priced right.  
**R. T. & W. J. GARRETT, Steele City, Neb.**

**Wooddell's Durocs**  
 One summer boar and a few bred gilts sired by Cowley Wonder; also some fall gilts and boars. Priced to move. G. B. Wooddell, Winfield, Ks.

**DUROC-JERSEYS**  
 Buy the kid a registered pig Express prepaid to any Kansas point. Boars and sows not related. \$12.50  
**Johnson Workman, Russell, Kan.**

**BANCROFT'S DUROCS**  
 Everything properly immuned. No public sales. For private sale, gilts open or bred to order for September farrow. Spring pigs either sex. Pairs or trios not related. Weaned May 1st.  
**D. O. BANCROFT, OSBORNE, KANSAS**  
 Shipping Point, Downs, Kansas

**Duroc Boars and Gilts**  
 With Breeding, Quality and Size  
 A few, choice, fall boars and gilts, sired by GOLDEN MODEL AGAIN and CRIMSON SURPRISE, out of our best sows. Guaranteed to please. Good prospects for useful breeders and show purposes. Correspondence fully answered.  
**Lant Bros., Dennis, Kan.**

Duroc boars \$20, sired by Belle The Boy, first prize winner at several state fairs. Duroc gilts bred to farrow this fall, \$25. Baby boars, \$10, sired by Model Top Again, winner at the Hutchinson and Topeka State fairs. Baby gilts, \$20. Any hog not satisfactory can be returned by paying express. R. W. BALDWIN, GONWAY, KAN.

**Percherons--Shorthorns--Polands**  
 October gilts, bred or open, for sale, Barmpton Bruce, by Lord Bruce heads my Shorthorn herd. C. E. FOLAND, Almena, Kan.  
**Percherons--Shorthorns--Polands**  
 18 Sept. and Oct. gilts, by Jumbo Prospect, by Luft's Orange for sale open or bred to your order. C. E. Whitney, Almena, Kansas.  
**Shorthorns--Poland Chinas** For sale, a 90 herd bull, Matchless Prince, got by His Highness. I am keeping his get. Write J. W. LIGGETT & SONS, Almena, Kan.  
**COL. W. M. PATTON, Livestock Auctioneer**  
 ALMENA, KANSAS  
 Devoting my time to the business. Address as above.  
**COL. C. H. PAYTON** Purchased stock sales and big farm sales solicited. Write or phone. Address as above.  
**NORTON, KANSAS**

**Marshall Co. Pure Bred Stock Breeders**  
 Nothing but first class animals offered for sale for breeding purposes. It is economy to visit herds located in one locality. For the best in purebred livestock write these breeders or visit their herds.

**HEREFORD CATTLE.**  
**Pleasant Valley Herefords.** Two splendid bull calves and some good heifer calves coming 1 yr. old.  
**GEO. E. MILLER, Blue Rapids, Kansas**

**Hereford Cattle** All sold out of service-able bulls at present. Will have some for spring shipment. B. E. & A. W. GIBSON, Blue Rapids, Kan.

**Willow Brook Herefords**  
 Five yearling registered bulls for sale.  
**B. M. WINTER, IRVING, KANSAS**

**WALLACE HEREFORDS** Nothing for sale at present. A nice lot of young bulls coming on for next fall and winter trade. Thos. Wallace, Barnes, Kan.

**Wm. Acker's Herefords!**  
 FOR SALE: 10 bulls, from 5 to 9 months old. Address WM. ACKER, Vermillion, Kansas

**Clear Creek Herd of Herefords—**  
 Nothing for sale at present. A fine lot of bulls coming on for fall trade.  
**J. A. SHAUGHNESSY, Axtell, Kansas.**

**HEREFORDS** Big and rugged. Farm 2 miles out. W. B. Hunt & Son, Blue Rapids, Kan.

**Herefords** 18 months old farm bull ready for hard service. Good disposition.  
**J. F. SEDLACEK, BLUE RAPIDS, KANSAS**

**SHORTHORN CATTLE.**  
**PURE SCOTCH BULL** that is pure white, for sale. A few heifers tracing to Choice Goods. DR. P. C. McCALL, Irving, Kas.  
**SHORTHORNS--POLANDS** Bargain in Herd bull. 10 picked fall boars.  
**A. B. GARRISON, SUMMERFIELD, KAN.**

**AUCTIONEERS.**  
**S. B. CLARK, SUMMERFIELD, KANS.**  
 AUCTIONEER. Write or phone for dates, address as above.  
**Jesse Howell, Herkimer, Kan.** of Howell Bros., breeders of Durocs and Herefords can make you money on your next sale. Write for dates

**POLAND CHINA HOGS.**  
**Albright's Polands** For Sale, Jan. 12 last fall gilts. 84 March and April boars and gilts.  
**A. L. ALBRIGHT, WATERVILLE, KAN.**

**45 FALL PIGS** both sexes. Aug. - Sept. farrow. By Sunflower King, by King of Kansas.  
**N. E. COPELAND, Waterville, Kansas.**

**DUROC-JERSEY HOGS.**  
**Red Polls, Duroc Jerseys, O. I. C. Hogs** Young stock for sale. Write for prices. J. M. LANTON, IRVING, KAN.

**ILLUSTRATOR** We offer choice gilts bred to a splendid son of Illustrator. Also spring boars. Address A. B. Skadden & Son, Frankfort, Kansas

**Spring Boars** by five different sires. A royal lot of big stretchy fellows and only the tops offered. **HOWELL BROS., HERKIMER, KAN.**

**FANCY POULTRY.**  
**Plymouth Rocks** Bred (Thompson strain) and white. Stock for sale. Eggs in season. Address JOHN BYRNE, Axtell, Kansas

**S. C. White Leghorn Eggs**  
 \$1 for 15 or \$4 per 100, from a strain that was bred to lay and does it. W. J. HARRISON, Axtell, Kansas

**DAIRY CATTLE.**  
**MILLS' JERSEYS** One six months and 2 ten months old bulls, from Agnes's Lost Time 194813. Prices reasonable. C. H. MILLS, WATERVILLE, KAN.

**WILLOW SPRINGS JERSEY FARM**  
 Golden Fern's Lad's Lost Time 25562 at head of herd. Offers a few young bull calves. Joseph Krasny, Waterville, Ks.

**Jerseys and Duroc Jerseys**  
 Nothing for sale at this time. **B. N. Welch, Waterville, Kansas**

**HOLSTEINS** Cows and heifers for sale. Registered and grade. Address **LACKLAND BROS., AXTELL, KANSAS**

**SHETLAND PONIES** At low prices to reduce herd. Big descriptive catalog 10c. Jno. Dunlap, Williamsport, Pa.

**HAMPSHIRE HOGS.**

**REGISTERED HAMPSHIRE** 300 lbs and beam, all ages. Choice-immuned. Satisfaction guaranteed. C. E. LOWMY, Oxford, Kan.

**HAMPSHIRE** A few choice fall born sex, not related. E. A. Wempe, Frankfort, Kansas

**Shaw's Hampshires** 300 registered Hampshires, nicely spotted, all immune, double breasted. Special prices on spring pigs. Satisfaction guaranteed. **SHAW BROS., R. 2, Wichita, Kan.**

**BERKSHIRE CATTLE.**

Registered horned and double standard polled **Hereford Bulls For Sale** Also a few horned heifers. **JOHN W. LEWIS, Lansing, Kans.**

**Two Registered Hereford Bulls** for sale. One 4 years old (wt 1850) and one 2 years old. Also some good Hereford stud cows. **Mora E. Gilman, Emporia, Kansas**

**The Polled Hereford Farm**

Has a car of coming Three-year old Bulls, Polled and Horned Herefords, splendid condition. Good ones. Write

**HANDLEY & HOPPER** Ness City, Kansas

**BERKELEY ANGUS CATTLE.**

**Aberdeen Angus Cattle**

Headed by Louis of Viewpoint, 1892, half brother to the Champion cow of America. **Johnson Workman, Russell, Kan.**

**Edgewood Farm**

**Aberdeen-Angus Cattle**

I have twenty registered Angus bulls—yearlings and two year olds, and one ten year old for sale. **E. J. WHITE, CLEMENTS, KANSAS** Main line of Santa Fe, 145 mi. west of K. C.

**ANGUS BULLS**

24 from yearlings to 3-year-olds. Bred from best strains. Call or address **J. W. McREYNOLDS & SON, Montezuma, Kans., or Dodge City, Kans.**

**POLED DURHAM CATTLE.**

**Double Standard Polled Durhams** Young bulls and females for sale. **C. M. HOWARD, Hammond, Kansas**

**75 POLED DURHAMS**

(Hornless Shorthorns) Double registered. Roan Orange, 2000, in herd. 15 bulls, reds and roans, low and blocky; halter broke. Will meet trains. Write **J. C. Sanbury & Sons, Pratt, Kansas**

**RED POLED CATTLE.**

**Registered Red Polled Bulls** ready for service. P. J. SANTA, CURA, WYO.

**FOSTER'S RED POLED CATTLE** Write for prices on breeding cattle. **C. E. FOSTER, R. R. 4, Eldorado, Kansas.**

**Pleasant View Stock Farm** Red Polled cattle. Choice young bulls and heifers. Prices reasonable. **HALLGREN & GIBBS, Ottawa, Kansas**

**SHORTHORN CATTLE.**

**Shorthorn Bulls For Sale!** Six heifers, two-year-olds. Reds and roans. **L. M. NOFFSINGER, OSBORNE, KANSAS**

**PURE BRED DAIRY SHORTHORNS** Double Marys (Fleischek Strain) and Rose of Sharon families. A nice lot of young bulls for fall and winter trade. **R. M. ANDERSON, BELOIT, KANSAS**

**GUERNSEY CATTLE.**

**GUERNSEYS FOR SALE**

Several choice males for sale.

**Overland Guernsey Farm**

C. F. Holmes, Owner Overland Park, Kansas 8 miles south of K. C. on the "Strang Line"

**JERSEY CATTLE.**

**LINSCOTT JERSEYS**

Kansas First Register of Merit Herd. Established in 1878. A surplus of young bulls (nothing better) at bargain prices. **R. J. LINSCOTT, HOLTON, KANSAS**

**HOLSTEIN CATTLE.**

**Montgomery County Holstein Friesian Association**

**T. H. BONE, Sec., Independence, Kan.**

**Raising Registered Holsteins**

no trading, herd tested every year and recorded by the State of Kansas. **Tredico Farm, R. 2, Kingman, Kan.**

called the malaria miasma of the farmer's setting. All his preparations are covered by a broad guarantee whereby dealers are instructed to refund the customer's money if they do not fulfill all that is claimed for them.—Advertisement.

**A Larger Pig Crop**

BY FRANK HOWARD.

Four hundred and sixteen breeders of purebred swine in Illinois, Iowa, Nebraska, Missouri, Kansas and Oklahoma report 4,020 litters of pigs farrowed, from which 24,202 pigs were saved, an average of a little better than 6 pigs to the litter. These breeders also report 1,002 sows yet to farrow. This gives 5,082 brood sows in the 416 herds, or an average of 12.2 sows to the herd. The average number of sows in the herds as shown by our survey of 1915 was 11.8, and in 1914, 12.1. The average number of pigs saved to the litter last year was 5.8; the average of 6 pigs to the litter saved this year is due, no doubt, to the better weather conditions during the farrowing months.

Almost twice as many breeders reported on their herds this year as compared with those reporting last year, showing that the breeders are interested in this survey. A number of the breeders reporting say that the pig crop in farmers' herds in their locality is less than in previous years. One breeder

General Gorgas, who made plague-ridden Panama with its miasma of deadly fevers, habitable, declares if congested city populations could be quartered on our unimproved lands, our disease problem would largely solve itself. The chief cause of disease, says this famous sanitarian, is poverty, and disease cannot be eliminated as long as people are forced to live poorly and closely together. And neither can poverty, it might be said. In other words our best bet is not city building. Instead of drawing the best brains and brawn of the country cityward, where human stock runs down and out, we should keep it where it will thrive. More and more we are learning that the city has nothing to offer comparable to the wholesome, provident, independent life of the American farm.

from Nebraska said the pig crop in the farmers' herds in Nebraska was only about 50 per cent of a normal crop.

The reports from these breeders show almost a total absence of cholera. Only one breeder in the entire list reported this disease.

Two hundred and twenty Poland China breeders reported 2,108 litters farrowed, and 12,610 pigs saved, an average of 5.9 pigs to the litter. One hundred and forty-one Duroc-Jersey breeders reported 1,386 litters farrowed, and 7,883 pigs saved, an average of 5.7 pigs to the litter. Thirty Chester White breeders reported 262 litters farrowed, and 1,721 pigs saved, an average of 6.5 pigs to the litter. Eleven Hampshire breeders reported 143 litters farrowed, and 960 pigs saved, an average of 6.8 pigs to the litter. Ten Berkshire breeders reported 99 litters farrowed, and 751 pigs saved, an average of 7.6 pigs to the litter. Two Tamworth breeders reported four litters farrowed, and 36 pigs saved, an average of 9 pigs to the litter. Two Mule Foot breeders reported 18 litters farrowed, and 122 pigs saved, an average of 7 pigs to the litter.

With sows farrowing better than 9 pigs to the litter, 8 pigs to the litter saved would be a reasonable number to take for a normal crop. On this basis the present crop is 75 per cent of a normal crop. With prevailing prices for market hogs breeders should receive good prices for their surplus stock this season.

**Why Not Do It Now?**

We don't realize how many things have happened since 1895 until we consider that in that year there was a New York City ordinance requiring that a man on horseback should ride 100 feet ahead of a mechanical car and with a red flag warn the people of its approach.—Goodrich Magazine.

Use whitewash generously in the cellar. Also have a heap of lime in some out-of-way corner, and hang netting bags of charcoal from the rafters.

**HOLSTEIN CATTLE.**

**Segrist & Stephenson, Holton, Kansas** Fine winning registered Holsteins. Bulls from three months to yearlings for sale. Address as above.

**BRAEBURN HOLSTEINS** A.R.O. bull calves. H. B. Cowles, Topeka, Kan.

**Selected HOLSTEIN AND GUERNSEY** heifer and bull calves, \$18.00 each, two for \$35.00. All expenses paid to your station. Meadow Glen, Whitewater, Wis.

**Holstein Heifers to Freshen Soon** One yearling bull, one eight months and one three. All registered. **BEN SCHNEIDER, Manhattan, Kan.**

**Reg. Holstein Bulls**

Two that are eight months old and one four months. Correspondence and inspection of herd invited. **David Coleman & Sons, DeSoto, Jackson Co., Kansas**

**HOLSTEIN CATTLE.**

**HOLSTEIN CALVES**

High grade Holstein calves either sex 3 to 4 weeks old from good milking strain of grade Holstein cows \$20 each. We pay the express. **Barr Oak Farm, Whitewater, Wis.**

**A SON OF KING WALKER** heads our Herd. He has 30 lb. sisters on his dam's side as well as some that run as high as \$2.30 on his sire's side. We are offering for sale, some high bred registered cows and heifers bred to this bull; also several good bull calves, at attractive prices. **HIGGINBOTHAM BROTHERS, Roseville, Kan.**

**CANARY BUTTER BOY KING**

Conceded the best Holstein Bull in Kansas. Two extra choice young bulls, sired by him and out of A. R. O. cows. Write for prices. **MOTT & SEABORN, NEBBINGTON, KANSAS**



**HOLSTEIN Cows and Heifers**

I have for sale a nice collection of HOLSTEIN cows and heifers, a few registered bulls to go with them. All good big ones, nicely marked, and out of the best milking strains. If you want cows or heifers I can supply you, and that at the right kind of prices. **J. C. ROBISON, TOWANDA, KANSAS**

**200—Holstein Cows—200**

You are invited to look over our herd of Holsteins before you buy. We have 100 high-grade cows and heifers and a lot of registered bulls to go with them. **Three Cows and a Registered Bull \$325**

25 cows in milk and 50 to freshen in 30 days. Come and see our cattle. Bring your dairy expert along. The quality of the cows and our prices will make it easy for us to trade. Come soon and get choice. Well marked heifer and bull calves, \$25.50 each, delivered to any express office in Kansas. Send bank draft, or post office money order. **LEE BROS. & COOK, HARVEYVILLE, KANSAS**



**TORREY'S HOLSTEINS**

Cows and heifers, young springing cows well marked and exceptionally fine; also springing and bred heifers and registered bulls. See this herd before you buy. Wire, phone or write. **O. E. TORREY, Towanda, Kan.**

Clyde Girod, At the Farm.

F. W. Robison, Cashier Towanda State Bank.

**Holstein Friesian Farm, Towanda, Kan.**



Pure bred and high grade HOLSTEINS, all ages. Largest pure bred herd in the Southwest headed by Oak De Kol Bessie Ormsby 156789, a show bull with royal breeding. Pure bred bulls, serviceable age, from A. R. O. dams and sires. A grand lot of pure bred heifers, some with official records. Choice, extra high grade cows and heifers, well marked, heavy springers, in calf to pure bred bulls, constantly on hand. **High grade heifer calves 6 to 10 weeks old, \$25. Bargains.** Send draft for number wanted. All prices F. O. B. cars here. Inspect our herd before purchasing. Wire, write or phone us. **GIROD & ROBISON, Towanda, Kansas**

**SHORTHORN BULLS**

9 registered Shorthorn bulls for sale. 5 roans, 4 reds. The herd bull is included. His weight is 2,000 pounds; ages from 10 to 22 months. Good ones. **H. W. Estes, Sitka, Kan.**

**Lookabaugh's Shorthorns**

Herd Headed by **Fair Acres Sultan**

assisted by Avondale's Choice, Watonga Searchlight and other great breeding sires mated to the best producing cows from the best families the herd books show.



THE FARMERS' COW.

**SPECIAL NOW** Herd bulls including sons of Fair Acres Sultan, \$200 to \$500; some higher. Cows with calf at foot and rebred to Scotch bulls, \$400. 20 heifers, Scotch topped milking strain bred to Scotch bull, 2 for \$300. Two Scotch heifers from best producing families, 2 for \$600. Farmer's bulls, Scotch top milking strain, from \$125 to \$200. Write for prices on car lots.

**The Farmer Cow** is the Shorthorn cow; for generations she has furnished milk for her calf with plenty to spare to make butter for the family, with milk for the table and some for the pigs. Her calf is a rustler and eats the rough feeds of the farm and the sum total, in milk, butter and beef, the Shorthorn makes more money for the farmer than any other cow.

**The Scotch Cow** not only produces this milk and butter, but the best producing families are used. Our success rests on the success of our customers. Special attention is given the beginner. You are always welcome at Pleasant Valley Stock Farm. Write or come.

**H. C. Lookabaugh, Watonga, Okla.**

# United States Tread Chain Tires



## Added Mileage in These Two Rugged Chains

By the time the two rugged anti-skid chains of rubber running 'round the tread are finally worn down, you have had your mileage in full and liberal measure.

Then you have the equivalent of a good, plain tread tire still to wear out—for your added mileage.

That is why 'Chain' Treads give the low mileage cost for which they are famous.

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The 'Chain' is one of the five United States 'Balanced' Tires which meet every motoring condition of price and use.

Ask the nearest United States Tire Dealer for your copy of the booklet, "Judging Tires," which tells how to choose the particular tire to suit your needs.

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