

# KANSAS FARMER

FOR THE IMPROVEMENT

OF THE FARM AND HOME

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## Boys and Girls the Best Kansas Crop

Kansas crops are known far and wide. Her wheat goes to the big mills of the north and adds flavor to the home product. Her corn feeds the beef and pork for the choicest of export trade. Her alfalfa is shipped to balance the rations of the dairy cows of the east and of the old world and her live stock proudly wear the prizes of international shows. All these things and more have contributed to her wealth and renown. All these have helped to win for her a high place in the esteem of her sister states and of the nations. All these have made Kansas the wonderland of agricultural America and yet, the boys and girls are her best crop.

In the cultivation and care of our other crops we use our every resource and as we work so do we profit. In the cultivation and care of this best crop do we do as well? The cares and labors of the farm are many. The study of weather and soil conditions, the selection and planting of seeds, the cultivation and harvesting of crops and the manufacture and marketing of the year's produce serve to occupy the time, the energy and the thought of the farmer so that too often he neglects the attention demanded by the girl who is his pride and his joy or the boy who is a second and better edition of himself. He sends them to school a few months in the winter and, when the proper time comes, starts them off to college and too often feels that his whole duty is done when he pays the bills. He would not treat a Percheron so. He would not trust the training and development of the colt to the hired man and feel that his duty was done when he paid the bill for feed and curry combs.

As he gives personal attention to his live stock and farm crops so he should give, in a higher degree, his personal attention to his children. It is not all of duty to attend the annual school meeting, elect a board who will hire the cheapest teacher because he is cheap and then depend upon this teacher to map out a course of study, learn the peculiarities of the several pupils and relieve the entire district of all further responsibility.

Ever since Kansas was, education has been held in high esteem by her citizens, but in her short history the changes in educational methods have been many and great. As Kansas was a leader educationally, in her pioneer days, so has she kept well to the front in her maturity. Her splendid state schools, her magnificent private institutions, her county high schools and her consolidated rural schools are monuments of an enviable record of accomplishment but in the building of these has there not been incurred the danger of neglect of the old cross lanes school?

Kansas' pride of accomplishment in the building of these great public and private institutions is justified and her experience teaches that this work is only just begun. Possibly we do not need more of such institutions now, but we certainly need to give them better support, and this support means more than money. It means the redevelopment of the country school. It means the employment of the best of teachers. It

### Other Products Affect World Markets But Boys and Girls Influence the World

means the proper equipment of these schools with suitable apparatus and it means the loyal support and counsel and advice of the patrons. In these country schools is laid the foundation for all future education and whether the boy or girl goes to the state school, a private college, a military institution or a business college his success there as well as in future life will depend, to a very large extent, upon the initial training received at the cross lanes.

Our State Superintendent of Public Instruction, our State University, our Agricultural College and our State Normal Schools are all working for the improvement of the country school as they have never worked before and their efforts are magnificent but they still need the help and cooperation of the patrons in order to win more rapid and complete success.

Being an agricultural state and dependent upon the farm for a very

large share of her prosperity it is but natural that Kansas should expect her sons and daughters to retain their interest in and sympathy with her dominant industry whether they ever plow or sow or reap. A training in any one of our universities or colleges can only be of help to them in whatever field of usefulness they may employ their energies, but it will be especially valuable on the farm. No man can know too much to be a farmer. The lawyer deals with the interpretations of man made laws and his training may be, in a measure, restricted to these and yet bring him success. The merchant has to do with the laws of commerce and his field is limited. The banker is ruled by the laws of finance where he finds his work, but the farmer works under the laws of nature and these only prescribe his boundaries.

We have done much for our great

state institutions but not nearly enough. Each of them is crowded to the limit today and thousands more should have the opportunities which they afford. We have not done nearly enough for our private colleges and schools though they too are filled. We have done least for our country schools yet their importance is such that the higher schools could not exist without them and instead of being second of the states in literacy Kansas would soon become a howling wilderness.

For the majority of our people the country school is the most important if not the only one and any efforts to improve it and make it more effective should receive the hearty support of all citizens.

Able efforts have been put forth by the State Superintendent of Public Instruction to introduce agriculture into the public schools, and this is a crying need in this as in most other states. But, with the short terms, poorly qualified teachers and crowded curricula, where shall agriculture find a place? This question has already been partly solved by the introduction of elementary agriculture as a study into our schools but more is needed. Teachers must be trained who can give instruction along this line and other studies and text books should be modified to suit modern conditions and this new requirement. Instead of having the problems in our arithmetics deal with commercial life and thus lead away from the farm others should be written which deal with the everyday affairs of agricultural life. Instead of having our histories made up of records of kings, princes and generals, they should be of the people and for the people.

Great advances have been made in the last three or four years, and still greater will be made if present plans are carried out, but it is a difficult task and the help of all is needed.

Children form their impressions early in life and with these impressions come the formation of character. While the character is in this formative stage the child has a right to the best that can be afforded him. His life while in the public school is of the greatest importance as it is during this period that the future citizen is made.

If his work is well done in the district school his chances of success in the high school, the business college, the military academy, the college or the university are multiplied many fold while if he does not attend any of these it is his only educational capital. In either or all cases the public school is the foundation upon which the future of Kansas, educationally, financially, politically, and morally, shall stand.

#### Improvement of Our Country Schools. Our Most Democratic Institution Is the Best Insurance Against Crime.

The object of free schools is better citizenship. Only upon the theory that all are benefited can all be taxed. Fifty per cent of the boys and girls of Kansas are in the rural districts. Fifty per cent of our future citizens are being trained in the country schools. It has passed into a truism that out of the virile strength and sturdy qualities of our country youth

(CONTINUED ON PAGE FOUR.)



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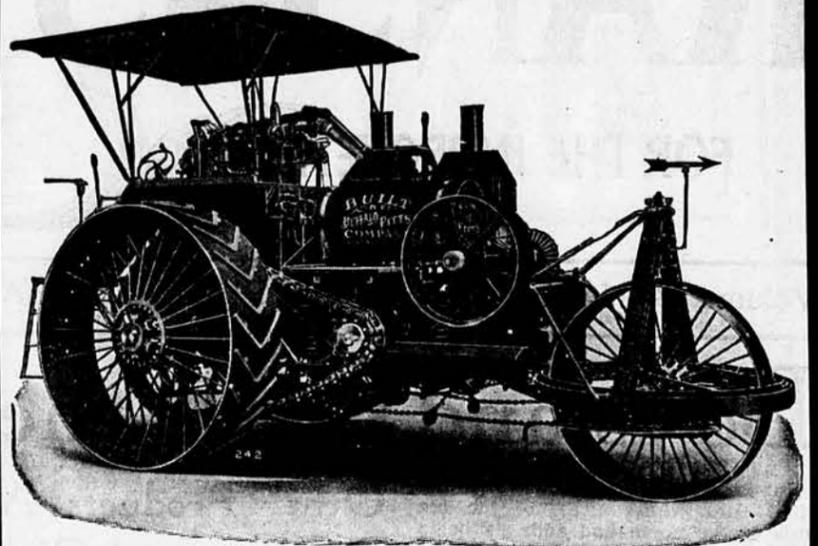
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# KANSAS FARMER

## EDITORIAL



### POTASH FOR WHEAT.

The way to test out the artificial fertilizer proposition is to apply it on a limited area at first and watch results. The Experiment Station is always ready to help with information and suggestions if you do not know just what your soil needs but one thing is sure. Any of the reputable fertilizers on the markets today will produce results. Take for example the application of potash. The growing of legumes such as alfalfa, clover, peanuts, cow-peas, will increase the amount of nitrogen and seem to increase both the potash and phosphorus in the soil. These are all vitally important but the nitrogen comes from the air and the potash and phosphorus come from the subsoil. There is not, then, more of the two last named in the soil than before. They are simply nearer the surface. Grain growing robs the soil of these elements and that rapidly. The heavier the yield of grain the more rapidly is the soil depleted of its fertility. Continuous grain growing without manure of some kind is mining and not farming.

In Kansas the nitrogen can be returned to the soil by the growing of alfalfa but the other elements must be supplied. Potash comes in three commercial forms. Kainit is a crude product of some German mines and contains about 12 1/2 per cent of potash. Muriate of Potash is a manufactured product containing about 50 per cent of potash and this in a most available form. Sulphate of Potash is another purified product equally rich.

Potash is especially valuable for wheat, cotton, tobacco, Irish potatoes and the grasses. The older farmers will remember when they used wood ashes and especially hard wood ashes as a fertilizer. They did not know why but they knew it produced results. In these ashes they got not only the potash but lime as well, both of which are valuable and both of which were readily available because readily soluble in water. Wood ashes are no longer available as a fertilizer but potash is now obtained about as cheaply and just as effectively in the commercial article. The results obtained from its use are surprising in many cases. In fact, it is doubtful if there is any soil in the state that would not produce larger crops by its application. Attempts have been made by farmers to buy the component elements and compound their own fertilizers. This generally results in failure for the reason that the average man does not know the proper proportions and because such home made fertilizers will always harden and cease to be available. For instance, a wheat fertilizer should have from 6 to 10 per cent of potash and if the farmer should use muriate of potash at full strength he would kill his crop while if he tries to compound it he is at once confused. The commercial article as made by a reliable manufacturer, not only contains the proper combination of fertilizers but it will not solidify and its elements are in the most available form and are cheaper.

Potash should be applied in the fall for wheat and now is an excellent time to consider it.

A good agricultural paper should be a leader in its field of usefulness. It must be to a small extent a prophet in whose utterances its readers will have confidence and belief. To observe the signs of the times, to know thoroughly the climatic and soil conditions included in its territory, and to divine what will be brought forth by the future lies within its province. It should be at once conservative and progressive, capable of safe advice and the bold advocacy of what it knows to be right. It should try to foresee what will be needed by the farmer and present this matter to him for his consideration. From the experience of others it should draw lessons which will be of value to those who have not had a like experience or who have not thought of similar methods. With the mere details of farm operations farmers are familiar, but in advanced thought, discoveries, and improved methods the need is greater and in these the usefulness of the real farm paper is fixed.

With which is combined FARMER'S ADVOCATE, established 1877.  
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**CONTRIBUTIONS**—KANSAS FARMER is always glad to have correspondence on farm, live stock, or household subjects. Your name should be signed to all communications and they should always be addressed to  
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### HELPING THE AUGUST PASTURE.

The dry weather of mid-summer always serves to cut short the pastures both in quantity and quality. Unless some steps are taken to supplement these pastures the live stock will suffer and in this suffering will receive a setback from which it will be difficult to recover. This setback is perhaps most quickly noticeable in milch cows, though it applies to any kind of stock, and especially young stock.

Of course, the man who has a silo can laugh at the weather conditions at any time of year so far as the feed problem is concerned, but even he should take some steps to protect his animals against the ravages of flies and other insects which are particularly annoying now.

A good fly repellent is easily and cheaply secured from the manufacturers, or a home-made substitute may be used. But use something, as this is the first step towards supplementing burned out pastures. Green corn may be used to advantage if judiciously fed and its use in this way brings good value. Alfalfa cannot be excelled as a soiling crop and even alfalfa hay made this season will be of great value. A neighbor is now maintaining his milk cows on full flow by soiling them with alfalfa. Of course this takes a little more work, but what does one care for work if it pays?

Sheaf oats is a big help and may be profitably used, though there is perhaps nothing that will excel alfalfa or corn.

The main thing is not so much to maintain a great gain in weight, an increase in growth or a copious flow of milk as to prevent a checking up of either. It is much easier and more profitable to maintain growth or development in a young animal or the flow of milk from a cow than it is to regain them after the animals have received a setback through the failure of summer pasture or from any other cause. The problem is to keep the animals at their work and at the same time to provide for their continued usefulness in the future.

The tax question occupies the attention of the politicians just now and it holds a place in the mind of the farmer every year. While no one wants excessive taxation through the efforts of the law makers, there is a way by which the individual can largely control this matter in his own favor. The man who owns 80 acres of land thinks he could do things if he only had a quarter section and yet he would have more work to do and more taxes to pay. Now if he makes his 80 acres produce double what it has been yielding, and this is easily possible in very many cases, he will have the income of the average quarter section and only the taxes of his 80 acres. This is no iridescent dream. Men are doing it and others can.

### HYDROPHOBIA.

In circular No. 9, of the Kansas Experiment Station, Dr. L. W. Goss discusses rabies or hydrophobia. In this he states that the season of year has little to do with the development of this dread disease, that inoculated animals are not afraid of water as is popularly supposed but that they do not drink because of paralysis of the muscles of the throat and that the disease is nearly always transmitted through the bite of a rabid animal. Dogs, by reason of the liberty accorded them, are by far the most prolific source of inoculation and the spread of the disease. Cats, hogs, horses and even cattle may transmit the disease though they are much less dangerous than dogs.

The symptoms rarely develop in less than 14 days after the animal is bitten though they may not show within a year. Not all animals that are bitten will develop the disease and this depends, in part, on the location of the bite. A bite on the head or face is much more dangerous than elsewhere, while a bite through the clothing may not result in rabies, as the virus may be absorbed by the cloth.

The only positive evidence of the disease is the presence of small round or oval particles in the brain which are known as Negri bodies and the only remedy is the Pasteur treatment, to be given before the symptoms develop. The "mad stone" is of no use as a prevention of rabies.

The dog that has rabies may show a decided fondness for his master's company at first or he may hide in dark places. His lower jaw hangs down and the tongue protrudes, swells and becomes dark in color. He becomes restless and frequently wanders far from home. He will make sudden starts at objects, show nervousness and then paralysis. His voice changes from a bark to a prolonged howl. He may have furious rabies or dumb rabies and one of these many change to the other in the same animal. This bulletin may be had by addressing Director Ed H. Webster, Manhattan, Kan.

Secretary Wilson's meat inspectors will continue to inspect lard substitute, and not a pound of that article can go into interstate or foreign commerce unless it bears the mark "U. S. Inspected and Passed." This is the gist of an opinion rendered today by Judge Fowler, who is acting as Attorney General during the absence in Alaska of Mr. Wickersham. Judge Fowler in his opinion holds that lard substitute, which is a cooking compound made up of one-fifth animal fat and four-fifths cotton seed oil, is fairly within the definition of a meat food product and must be inspected under the meat inspection law.

Alfalfa is not a lazy man's crop. It is a hustler and it makes the man hustle. These two hustles make the mighty dollar.

### COUNTRY SCHOOL AND CHURCH.

Dean Mumford of the University of Missouri calls regretful attention to certain phases in rural social, educational and religious life which have had much to do with bringing about present conditions of scarcity of farm help, the trend of the farmers and their sons cityward and, indirectly, the increased cost of living. Dean Mumford says:

"The rural school does not furnish to the children of country people the same opportunity to secure a good education as is presented even by the smaller towns. The fact is that the children of the poor in towns and cities have a far better opportunity of securing a modern education than the children of the rich who live in the open country. The result of this disparity of school opportunity has led many farmers' families, who are financially able, to move to the town to secure better educational opportunities for their children. This not only drains the country of the most progressive part of its people, but it removes the chief incentive for building up the local school. The well-to-do man is able to send his children to town, even if he does not himself change his habitation. He is not, therefore, impressed with the necessity of building up the country school. To the poor boy or girl in the country this is a great misfortune.

"The country church has declined in every agricultural section of the United States. The country church was the cradle of our modern religious institutions. No one of our social institutions can point to greater service to country people than the country church of our pioneer days. It must be admitted by any fair-minded student of rural social conditions that the country church of today does not occupy the same important space in our developing civilization as formerly.

"A great many of our most thoughtful statesmen and industrial leaders have expressed publicly their belief that the ideal life of the future will be in the open country. How can these things be when the two most important social institutions of the country, the school and the church, are failing so signally to fulfill the important mission which they must fulfill if the future life of the country people is to occupy so important a place in our political, intellectual and social economy?"

### DENATURED FLOUR.

The court decision against bleached flour is apparently being taken advantage of in certain quarters to attempt to reduce the selling price of Kansas wheat. There is no reason why this decision should have such an effect. The elimination of the bleaching process would certainly reduce the cost of manufacture and besides it would result in the production of a much better flour. Good bread is not white bread and white bread, whether it be made through the bleaching process or from the inferior soft wheat of the North, is not nearly so wholesome as that made from Kansas wheat. Kansas wheat is the best and strongest wheat in the world and the real bread eater, the man who knows a good thing when he sticks his teeth into it, does not like to have it denatured before baking. The deep cream-colored bread with the nutty flavor of Kansas winter wheat is what sticks to the ribs. The flavor lingers after the price is forgot.

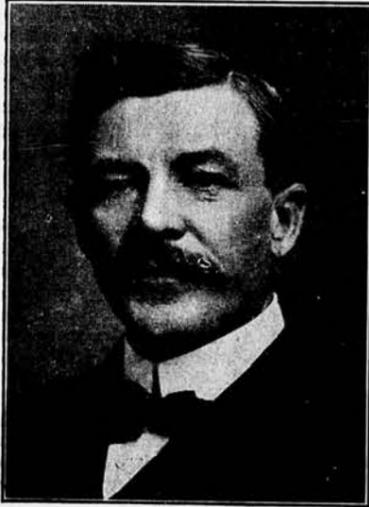
The ghastly white bread of the present day fashion is not wholesome, not so much because it has been bleached as because the best part of the wheat has been sifted out to make the bread look "nice." This court decision may result in bringing back the wholesome bread of the good old days when the millers did not know so much and the family doctor did not make so much.

Edwards county, Kansas, reports a probable yield of 2,000,000 bushels of very fine wheat this year as compared with about 1,500,000 last year. The average yield will run about 15 bushels per acre.

## Boys and Girls the Best Kansas Crop

(CONTINUED FROM PAGE ONE.)

develops our most robust manhood and womanhood. This is due in part to pure air, bright sunshine and vigorous exercise; in part to the tasks of home and farm which compel initiation, invention and self reliance, and



HON. E. T. FAIRCHILD,  
State Supt. of Public Instruction.

in part to the training gained in our most democratic institution, the common school. That school is the cheapest and best insurance against poverty, crime and misrule. It furnishes that which thieves cannot break through or steal, which moth or rust cannot corrupt. It makes comfort and competence almost certain for the individual, renders continued self-government possible, and focuses upon us above anything else the attention and admiration of the world.

All this is well. But it could be better. Our country schools are good. But they could be improved. Their progress in the past ten years has been phenomenal, but our percentage of illiteracy is as yet only second lowest. Our neighbor to the north still leads us. Kansas has never been satisfied merely to follow in anything, and with her natural resources, her wealth and her intelligence there is no reason why she should. No investment can bring greater returns in contentment, prosperity and happiness—in the things really worth while in life—than that made in support of our common schools. And yet in eight counties in Kansas there was more money invested in automobiles last year than was used in the whole state to pay the entire annual expenses of the public school system.

I rejoice in our self evident prosperity, but I believe it has not yet been sufficiently reflected in our common schools. Our attitude toward them does not quite warrant the pride we exhibit in them. The state institutions of higher learning are the educational apple of our eye and I would not have it otherwise. The local high school is the proudest possession of every town and city in the state, and this, too, is as it should be. But my plea is that those schools to which we compel every child in the commonwealth to go—the common schools of the common man—should be the object of our first consideration and most liberal appropriations. They have not been, but I believe we are facing the dawn of a new day.

What then are some of the conditions that need to be remedied? Let me enumerate. The terms are too short. The terms are not of uniform length. The tenure is too uncertain. Considering the shortness of terms and uncertainty of tenure the wages are not sufficient. Too many of the teachers are not properly prepared. Too many buildings are poor, poorly equipped and poorly ventilated. The most precious possession of our people is their children. Why for half their waking hours during half their growing lives should these children be compelled in all too many cases to study amid surroundings which have no inspiration to education, culture and refinement—to better living and higher life? We are rich in money and land. We are infinitely richer in boys and girls. Why not share this wealth with our children in their youth when it will mean most to them for life, instead of willing it to them when we are ready to die and their destiny is determined, for as the twig is bent so is the tree inclined.

The people are the source of all

power. In education as in politics leaders may suggest, and advise, and help—and occasionally betray—but in the end the people must work out their own salvation. When they once recognize the needs and possibilities of their common schools and when they realize the power and the responsibility which is theirs, Kansas will in the truly Kansas way come into her own educationally as she has already done agriculturally.

This will be accomplished in some cases by consolidation; in some cases by state aid for weak districts, so that every school in the state may have at least a seven months' term. It will be accomplished by a better appreciation on the part of the patrons for the service of conscientious and efficient teachers and their retention from year to year in spite of petty personal grievances of individuals. Better schools and better wages are interdependent and each must come and will come with the other. And the problem of better teachers is already in process of solution through the recently enacted normal training act.

This law will make it possible gradually to supply all rural schools with teachers who are graduates of a four years' high school course which has had for its specific object the training of teachers. And since the more than one hundred normal training high schools are scattered in all parts of the state all sections will alike be benefited.

With a more uniform and longer term and a uniform day for the opening of schools the present carefully graded state course of study may be more and more effectively used; closer supervision by county superintendents will be made possible and county graduation may be made as significant and as dignified to country pupils as it is to their city cousins.

Again, and in conclusion, I repeat my plea: Let us invest more of time and money in our schools, especially in our country schools, realizing that "The riches of the commonwealth, Are free strong minds and hearts of health

And more to her than gold or grain,  
The cunning hand and cultured brain."

E. T. FAIRCHILD.

### Modernizing the University.

BY RICHARD B. PRICE, DIRECTOR OF UNIVERSITY EXTENSION, UNIVERSITY OF KANSAS.

In ancient days learning and its relationship to the affairs of everyday life were well symbolized and typified by the goddess Minerva. She was held in high reverence and repute by the people, who were wont to visit her statue once a year in stately procession and worship her with gifts and adoration. For the remainder of the year her statue was kept in an inner shrine, to be approached only with pomp and ceremony.

This idea that learning and scholarship were things apart from the homely and commonplace interests of the people was fostered by many circumstances. Learning tended to become an exclusive thing to be attained only through great effort and then handed on to the sage's immediate disciples. This was the result of the fact that there were no books—only a few manuscripts laboriously copied by hand—thus compelling knowledge to be acquired by word of mouth between the teacher and his follower. Learning became a product of leisure, and its dealings with the mysteries of natural science and alchemy made it an uncanny and an esoteric thing to the common people.

Even in the middle ages this same tendency was very marked. We find that great scholars often had the reputation of being great wizards and of having mysterious and fearsome relations with the Evil One. The monasteries, as the chief repositories of manuscripts, became the centers of learning and the source of education. The pursuit of learning thus called men away from ordinary vocations, buried them in cloistered seclusion, and weaned them away from interest and participation in the work and amusements of the great majority of mankind.

When the early universities were founded, the notion that learning was a precious possession to be won and cherished by a few select spirits of superior endowment, was still prevalent. Scholars formed a sort of society, almost a trust or monopoly, to keep the halo on the brow of learning and jealously to preserve her unspotted from the world. It seemed as if knowledge

might be used for almost any end except to do some useful service to the world. Students gathered at these seats of learning and stayed there, or went on pilgrimages from one university to another. And because people are wont to fear and magnify that which they do not understand, the workers and toilers who were carrying on the activities of this busy world in the field, the workshop and the mart, often looked upon learning with superstitious dread as being somewhat akin to Black Magic.

Such beliefs have been held down to comparatively modern times. Even down to the last century, the idea that learning was not a goddess far removed from the activities of the world, to be worshipped in seclusion by a select and worthy few, but rather the handmaiden of the arts, the wise counselor of the captains of commerce, and the presiding genius of the home and fireside, was slow in getting a foothold. In England and on the continent the belief was prevalent that education was for the ruling classes and could be of no possible use to the masses except to make them discontented with the station to which it had pleased Heaven, presumably, to call them. This belief had much to do with petrifying the horizontal divisions of society in those countries and setting up the barriers of caste.

Yet England itself was destined to be the scene of the break-up of ancient ideas of education and of the modernizing of the universities. When Cambridge lecturers began to go out and teach classes of laboring men, two time-worn notions were shattered:



CHANCELLOR FRANK STRONG,  
Kansas State University, Lawrence.

the first was that deeply rooted one that instruction could not properly be given outside of academic walls; the other that there is any caste in the empire of the mind. And on the part of these first workmen-students was made the dazzling discovery that knowledge, whether literary or scientific, was no mysterious, elusive or esoteric thing, but was a thing to be grasped, learned and used by the good mother-wit and brains, albeit with effort and toil, with which nature had endowed them. The movement from that time on is simply a phase of that great modern world-movement, in whose throes we now are, for the socializing and democratizing of all human institutions. The movement for extra-mural instruction, for bringing learning to the doors of the people, for making every man, so far as capacity permits, a partaker in the hidden treasures of books, spread from Cambridge to Oxford, from Oxford to the University of London, thence all over England and Europe and to the United States. Some manifestation of the movement may now be found in almost all the institutions of learning of this country.

A typical example is found in our own University of Kansas. I have tried to make clear above the fact that this modernizing of the university is not evidenced so much in the effort to carry on instruction outside of its walls as it is in the whole attitude toward learning itself. Knowledge is not a static thing to be stored up in the repository of college walls and to be enjoyed only by those who withdraw themselves even temporarily from the active currents of life. Nay, rather is it a kinetic energy that should play upon and animate and stimulate and charge with dynamic power all the multifarious currents of a great state's activities.

This is the modern spirit of a university, and for this the University of Kansas stands. Her aim is not to brood over the affairs of the world in monastic seclusion, nor to float in an eddy and watch the currents of life rush by, but to be herself in the head and front of every movement for the upbuilding of the state. She will still give her largest attention and effort to those young people who resort to her and spend the most impressionable period of their lives within her walls. And she will send them forth, not to meditate on abstractions or on doctrinaire theories, but rather to carry on the work of men and women in the home, in business, and in the activities of good citizenship. Space fails me to deal in detail with the present outside activities of the University of Kansas. Let a few specific things suffice and serve as the types of many. And let me reiterate that it is not so much the specific things that count as it is the entire attitude toward education and the needs of the state.

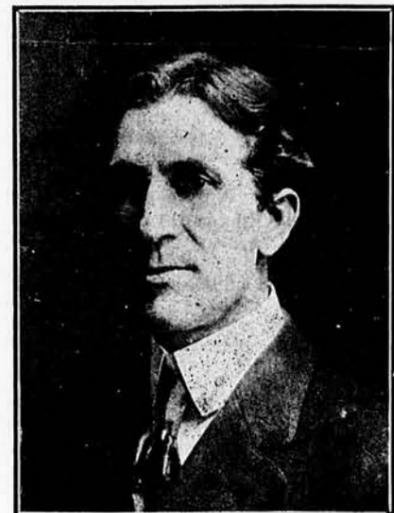
The university no longer confines itself to instruction. It is now the arm by which the state performs many of its functions. Weights and measures are tested here and in the cities and towns, so that men may get what they pay for. Food and drugs are also examined here under the provisions of the Pure Food Law for adulterants, that the health of citizens may be conserved. To the same end a member of the faculty is deputed to analyze drinking water. An entomologist on the faculty acts for the state in guarding the farmer and the fruit grower from insect pests.

The University Extension Division is organized especially to give instruction and aid to those who cannot come to the university for study. Lecture courses on college subjects of cultural or informational interest are given by members of the faculty in Kansas communities. In addition to this, correspondence instruction is now offered, so that a student may obtain a goodly portion of a college education without leaving home. High school debating societies are organized and fostered and furnished with helps and material. A Municipal Reference Bureau collects model ordinances, statistics, of municipal ownership of utilities, and information regarding paving, sewerage, parks and many other matters of interest and value to city officers and other officials.

To sum up, the modern university, as represented by the University of Kansas, not only gives the youth within its walls a university education and ideals of good citizenship, but also through its faculty and laboratories and library brings knowledge and learning to the homes and firesides of the people, does such investigation and scientific research for the state as modern conditions of life and health demand, and is an exemplar of the use of knowledge, not only for culture and inspiration, but also for bettering human conditions and doing efficiently and well the work of the world.

### The Business College in Our Educational System.

This is distinctively a swiftly progressive age. There never has been so much need of preparation for any particular line of work as there is today. The demand for men and women qualified by education and special training for various kinds of



PRES. QUAKENBUSH,  
Lawrence Business College.

work is everywhere on the increase. Hence, the young man or woman who will succeed in any kind of work must have been prepared by study to meet the different requirements.

The thoughtful parents of the day believe that if there is anything in the world that should be able to give a strict account of itself, it is the education given their children. School training of all kinds is now regarded as a preparation for life work upon which the child must soon enter, and it is the effort of parents to equip their children as well as possible for what they know will be a severe struggle. However, young people seldom appreciate the value of education until their school days are over and also that some kinds of education are of little advantage to them in what must be their life work.

It is said that every young man has a future, but every young man does not realize this fact and the parents must assume the responsibility of fitting their son for that future. Parents are learning that they must have regard for their children's dispositions, natural taste and inclination, and their capacities. At the outset, education should be in accord with the boy's natural talents and gifts, for the failure of the man may oft be largely due to a scheme of training in youth for which he was unfitted. It has been asserted by some writer that the time is soon at hand when there will be institutions for determining the natural bent of the boy or girl; to help him to find where his greatest strength lies and how to develop it to the best advantage. The discovery of one's greatest strength is often made too late in life to make the great success possible that might have been made if they had started out right earlier in life.

The field of learning has become so large that it is impossible to ask the average youth to cover it all; he must choose—or "elect" one particular line. He must follow a definite course for he is in a hurry to get to work and make his living. Education is now very much a preparation for bread-winning, and what does not the soonest win bread has to be slightest. While not in any way underrating the value of a scientific or classical course, business colleges and business education have made a place for themselves by meeting the demands for such a course from every avenue of business activity.

The advantage and benefit of a strictly first class business education is now so universally conceded, that it seems superfluous to offer additional arguments in its favor. Every department of trade and commerce now demands live, active and intelligent young men trained in business affairs, and capable of assuming responsible positions, and discharging the duties required of them in a prompt and efficient manner. Commerce is demanding the attention of the world more and more, and men of the highest talent are engaging in business of all kinds. All kinds of business is now conducted in a more systematic and complicated way than formerly, necessitating special training along this line. In mapping out a career for their boy or girl, parents should give them the advantage of a good business course, for whether they remain on the farm, go on with the higher education or engage in active business work immediately, they can make use of this training in the every-day affairs of life.

The matter of getting a business education is largely a question of acquiring those things in an educational way which are most in demand. Culture and refinement are highly desirable and give to the possessors great pleasure, but there is nothing which solves the bread and butter problem so well as a thorough training in a first class business college.

W. H. QUAKENBUSH,  
Lawrence Business College, Lawrence, Kan.

**Advantages of a Military School Training.**

COL. SANFORD SELLERS, SUPERINTENDENT  
WENTWORTH MILITARY ACADEMY,  
LEXINGTON, MISSOURI.

The first and most apparent benefit resulting from a military school training is physical. The natural carriage of the human figure is erect and, if not disturbed by carelessness, abuse or disease, the bearing should be kingly. As we move among men and see the stooped forms, the shambling walks and the distorted figures how far do we see that the majority of

men fall short of reaching the physical ideal. Any boy who from 14 to 20 years of age has spent even one year in a military school is so improved in his manner of standing and carrying himself that the benefit is felt throughout his entire life. The training not only helps the appearance of youth, but promotes health.

The next benefit is an easy and natural sequence of the first. Erectness of body is most naturally accompanied by erectness or uprightness of character. The man who stands with head erect, with an eysteady and unshrinking, with a manner courageous



COL. SANFORD SELLERS, Supt.,  
Wentworth Military Academy, Lexington, Mo.

and confident must have that spiritual nature within to correspond with its outward manifestation. The connection, the sympathy, the inseparableness of body and mind are such that any influence exerted upon one is uniformly felt by the other. The motto, "Mens sana in corpore sano," expresses the object at which the military school aims. Everyone has heard of the high code of honor among the officers of the United States army. In my thirty years' experience as superintendent of a military school I have had intimate associations with many of these officers and this general impression has been more than verified. The army officers' ideals of truth and honesty I do not believe are exceeded even by those of the ministry.

Courage is implanted by a military training. One of the first suggestions of the word "soldier" or "military" is courage; and, while the battles in a military school are sham battles and while few of the students of military schools expect to be soldiers, they imbibe the spirit and march fearlessly to meet the imaginary foe. What element of human character is more admirable or more necessary to the soldier or to the civilian than courage? What can the timid, shrinking man accomplish in the contests that arise in the business, in the professional, in the political world? Who ever became great in any of these fields of activity who lacked the courage to act when the multitude was hanging back afraid? It is this quality of courage that makes not only our military heroes but also our captains of finance and our leaders in statesmanship.

One of the first things taught in any kind of military organization is obedience to rightfully constituted authority. Anyone reaching manhood who has never learned to obey is ill prepared for the responsibilities of citizenship. What is he worth to his employer if he cannot obey orders; what is he worth to his country if he ignores its laws and fails to heed its calls? Few inmates of our prisons can be found whose roads to ruin did not begin with disobedience to parents or school authority. In a military school the lesson of obedience is soon and easily learned. Positions of prominence and authority loom up before the novitiate as soon as he matriculates in a military school, and he soon realizes that to reach these positions he must learn to obey those who are in authority over him.

Many boys chafe under restriction and discipline, and for this reason find the ordinary school government distasteful. With an inclination for action rather than for study they are interested by the activities of a military institution and soon becomes identified with the life of the school. This interest once aroused in one department soon extends to all; and the boy who once disliked school is now willing to receive an education.

The great secret of the success of military schools in preparing young men for life lies in the complete occupation of the students' time. Idleness in youth or maturity leads to dissipa-

tion. There is no idleness in a military institution. Every hour of the day has its special duty, and the varied exercises do not permit interest to flag. From such a school a young man enters upon the duties of life wide awake, prepared to meet emergencies, reconciled to the exacting requirements of a successful career.

**Music in Public Schools.**

BY H. W. JONES, MUSICAL DIRECTOR TOPEKA CITY SCHOOLS.

One of America's great thinkers once said, "Put all the poetry into life that you can; it is full enough of prose."

In view of the continuous stream of young life flowing from country to city with weak return current, this injunction is well worth more than a passing thought. Again and again has been asked, "Why do our young people leave the farm?" And they persistently reply, "Farm life is so prosy." It is not within the province of these lines to discuss the psychology of the lure of the city. It is enough to say that the lure has its victims, and that it affects not only its victims, but, through them, the civic life of the nation. A problem worthy of the best minds is, How to counteract the attractiveness of city life by a better rural environment.

In building up the social life of any community, music is a most important factor. Its usefulness takes so many directions, and its uplift is so unmistakable that it seems strange the masses of our people are so slow to appreciate its importance. In the days when out state was younger, and her prairies sparsely settled, the struggle for existence left little time for cultivating the esthetic side of life. But the years have dealt kindly with Kansas, and with them has become possible a better definition of education. A generation ago the purpose of an education was to enable its possessor to make a better living; now, its purpose is to making living better. From necessity the cities have led in acting upon the later educational idea, and with "readin', ritin' and 'rithmetic," the no less important music and drawing are now included in the school course, and are in to stay. It is no argument against the introduction of music into our school system that a misconception of its real purpose has resulted in the cry of "fad and frills." Wherever the study has been used to exploit a teacher or a text book, disaster has been the logical result, and innocent and guilty have alike come under condemnation.

And this leads to the questions, What is the purpose of public school music? What may be accomplished in an average common school course? Can it be introduced into rural schools?

The purpose of public school music is to develop in the masses a higher musical ideal and the ability to as nearly as may be approach toward this ideal. Too long musicians have concerned themselves with the development of the unusual talent of the few rather than with raising the average of the many, and the specialist



PROF. H. W. JONES,  
Director of Music, Topeka City Schools.

has been slow to reason that it is better for a community that a thousand shall be able to sing a hymn with credit than that one shall excel in grand opera. The same criticism applies in school athletics where the tendency is to strengthen those already strong, and neglect those who

need strengthening most. Tradition has too long decreed that upon a few only is the "gift" of musical talent conferred, but an application of the gospel of hard work will reveal that God never intended to establish a musical monopoly. When he commanded all the people to praise Him in song, He made it possible for them to obey, and to develop in each child such talents as have been given (among which is almost invariably music) is the business of the teacher and the purpose of the school.

What may be accomplished in music will depend upon the ability of the teacher, the application of the pupils, and the time given to the study. Not all teachers are as efficient as they could be, and aptness of pupils varies in music as in mathematics. In the main, our public school product should know what is worth while in music as in literature, and be able to appreciate much of what is really good in each. They should be able to read promptly at sight the simpler melodies, and have acquired enough of the science of music to be able to give an intelligent why for things musical as well as things grammatical. They should have mastered the intricacies of rhythm, and have learned to keep step with their fellows, not only in the literal sense, but also in the march of progress. Moreover, many of them should have caught a whisper of the strains of choirs invisible to the end that in the stress of industrial, commercial and professional life, mind and soul may have a measure of solace, of diversion, and of uplift as they listen and are wooed away—away from weariness and care to dreams of a better country, even a heavenly.

Can music be made a practical part of a rural school course? Most assuredly. It not only can be but should be. True, methods and plans in city and rural districts may not be the same, but legitimate results can be had in each. Shall rural life, the inspiration at once of poet and musician, be denied the fruit of such inspiration? There is no music in towering walls, rumbling machinery, or busy mart. The natural home of true song in the country, with its pure air, happy birds, waving fields, purling brooks, room, and strangely enough, quiet wherein may more easily be heard the harmonies which nature and nature's God prepare for those who have a care to listen. A piano is as practical in the parlor of a farm home as elsewhere, and the best that the world offers in music may be brought to homes miles from any metropolis in the mysteries of the best phonograph records. Our state educational institutions are to be congratulated for providing an opportunity for students to secure a fair musical education at little expense to them, rightly concluding that they will go into life richer socially for having had this training. But the opportunity comes late. The training should have been begun long before college days, and the hope of the writer is that, with a better system of school taxation and a more general consolidation of rural schools, an impetus may be given to the study of music, not as a mere accomplishment, but as an aid in evolving a more attractive social environment for rural youth upon whom the hopes of the nation largely rest.

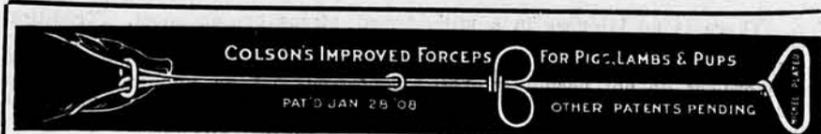
**Rainfall Data.**

The Local Weather Bureau Office has just received from the printer two bulletins giving a detailed summary of the rainfall and snowfall in about 60 counties of the state.

Of late years so many requests have been made for rainfall records in different parts of the state by people who own land or from eastern parties who are thinking of settling in western Kansas or buying property there that this is one of the numerous methods that the Weather Bureau has taken to make these records available.

It will be a surprise to a good many people to know that there are reliable rainfall records in Kansas dating from the year 1836 and there are counties even in the western part of the state where the record was begun as early as 1870.

The same plan has been carried out in other states so that old rainfall records which have heretofore been inaccessible to the general public are now obtainable. Along with these records is printed a brief summary of the temperatures in the country so that a complete summary of the climate of each state is given in the pamphlets.



They are made from specially tempered spring wire, all nickel plated and sanitary. You cannot injure the mother and need not injure the young. Thousands have been sold on a guaranty and not one returned.

### SAFE, SURE AND SANITARY

Endorsed by Instructors in Veterinary Surgery of State Universities, and State Veterinarians wherever their attention has been called to it as the best thing in its line.

Every farmer and breeder should have one of these instruments where it can be secured at a moment's notice. A pig lost through carelessness or lack of foresight means dollars wasted. Save the Dollars by being prepared for emergencies. Don't wait until the fall pigs are arriving—Get the forceps now and be ready for them.

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**KANSAS FARMER, Desk C. Topeka, Kan.**

# LIVE STOCK



### What's in a Steer?

A 1,200-pound steer when dressed according to modern packing house conditions will yield as follows: Ribs 165 pounds, loins 114, rounds 165, chucks 150, plates 113, shanks 45, flanks 24, suet 28, kidneys 2, tongue 5, hide 65, oleo oil 25, oleo saterine 13.2, tallow 5.21, hair 12, glue 1.55, cheek 5, brains 5, lips 1, heart 3.5, liver 10, tail 1.25, sweetbreads 2, medicinal glands 6, tripe 8, casings 5.07, fertilizer 24.75, hoofs 1.75, shins 1.5, neats' foot oil 1, butter stock 1.25, saw bone 13, horns 1.75, blood 1.2, total 881.56 pounds. These figures are said, by packers, to be extremely conservative.

The uses of the several parts are: From hides, leather; from tallow, soap, glycerine, butterine, lubricator

and candles; from blood, albumen, fertilizer and stock food; from the tankage, which includes all matter of "refuse," fertilizer and stock foods; from the hoofs, buttons, hair pins, fertilizer, glue and fancy goods; from the oleo, butterine and compound lard; from the intestines, sausage casing, gutskin hose and snuff packages; from the weasands, sausage casing, brewers' hose and snuff packages; from the bladder, casings and packages for putty, lard, snuff; from the tail, hair for mattresses and upholstery; from the bones, buttons, glue, handles for fancy goods; from the neats' foot oil, polish leather dressing, lubricant and illuminant; from the bone meal, stock food, fertilizer, material for tempering steel, anhydrous ammonia and glue. The tongue, cheek, brain, lips, heart, liver, tail, sweetbreads and tripe are all sold for meat. There is nothing wasted but the water in the carcass.—National Provisioner.

### The Best Sheep for Kansas.

A great deal of interest is being awakened in the sheep industry in Kansas. Many men in certain sections are shipping in feeders and their success has induced an added interest in the breeding of sheep.

As most people are not familiar with sheep breeding and feeding their first question when their interest has been awakened is, What is the best breed? This cannot be answered off-hand as it will depend upon the farmer's likes and dislikes, his locality, his market and the available feed supply.

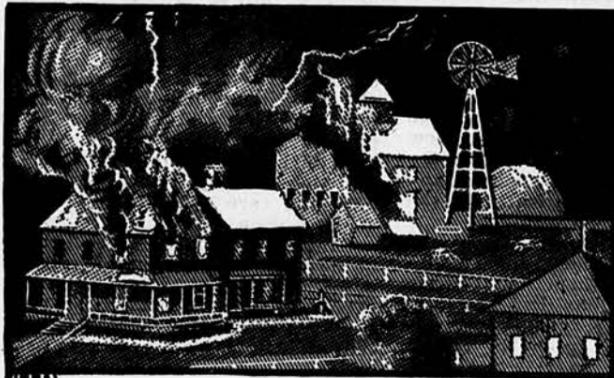
Perhaps the most popular breed in the state at this time is the Shropshire and this may help to answer the question of the best breed because there is a reason for the Shropshire popularity. Shropshires belong to the Down families which are famous for the excellence of their mutton while they produce a fair amount of medium length wool. They gained their name from their original home on the low rolling hills or "downs" in the south of England, and may be ranked firstly as a high quality mutton sheep and secondly as a good quality of wool sheep. The Hampshires also belong to the "Down" breeds and are ranked by many as of higher quality than the Shropshires, because of their larger size at birth, their quick maturing qualities, their large carcasses and the good fleece. They have all of the good qualities of the Shropshires with the advantage of a larger carcass and more rapid maturity.

In this group of "Downs" may also be named the Southdowns and Dorsets, the first of which is perhaps the smallest of all the "Down" breeds, while the Dorsets are objectionable to many because of their horns, though they have the merit of very early breeding and their rams are very prepotent and are often used to improve flocks of other breeds or of scrubs.

While the Hampshires are less known than the Shropshires in this state it is perhaps true that there is no breed that is gaining so rapidly in popularity because of its large size, rapid maturity, gentle disposition and fine quality of wool.

A little green corn will help out amazingly when the pastures get short these hot, dry days. Care must be used in feeding it but it is doubtful if it can be made to bring a bigger profit than when fed green as a supplement to falling pastures. And you get full value for the entire crop when used in this manner.

Trimming the orchard is imperative and trimming the hedge rows is just as important. An untrimmed orchard not only fails to produce fruit but is also unprofitable in the shabby appearance it gives the farm. The untrimmed hedge is even more objectionable as one gets his first impression from the outside.



### Lightning Got There First

111 fire insurance companies report 2960 fire losses in one state in one year—2165 were caused by lightning—only 795 from all other causes combined. Think of it, 75% of all losses—lightning.



### D. & S. Got There First

965 days every year D. & S. Woven Copper Cable Lightning Rod and D. & S. System of Installation afford the only safe and reliable protection against loss by lightning. Think of it, 100% safety.



PROF. WEST DODD, President of Dodd & Struthers, is the scientist who has taught the world how to control lightning.



BENJAMIN FRANKLIN, the scientist who taught the world what lightning really is by a simple experiment of kite flying.

Not since the days of Franklin has any scientist done as much to protect life and property from the destructive consequences of lightning as has

## PROF. WEST DODD

the inventor of the D. & S. System of lightning rod construction. The basis of this great claim is due to his very important inventions for making woven copper cable lightning rod and equipment for lightning

EVERY TIME

# LIGHTNING STRIKES

## This Is What D. & S. Means to You

Absolute protection for your home and the farm buildings. Perfect safety for yourself, your family, your stock and your harvested crops and other property.

**IT PAYS FOR ITSELF.**—Leading fire insurance companies of the world (list of them sent on request) will allow 10 to 33 1/2 per cent off your insurance bills when your buildings are rodded with D. & S. Woven Copper Cable Lightning Rods. Thus the D. & S. Rod pays for itself and then begins to save you money when your next insurance bills come due.

**It is the only rod endorsed by the Mutual Insurance Companies of the United States and Canada—this absolutely regardless of all claims made by agents other than our own. Beware of frauds.**

**PROTECTION AGAINST FRAUDS.**—For your own safety insist on and accept nothing but the only genuine lightning rod ever invented—

**THE ROD TRADE MARKED D. & S.**—A product of the highest and finest grade materials and workmanship obtainable; 30 pure soft copper wires so scientifically and ingeniously arranged that the entire surface of each wire has its full independent power for work.

**THE D. & S. SYSTEM OF INSTALLATION** is acknowledged by leading fire insurance companies of the world to be the best ever invented. The best rod made may prove worthless unless it is properly installed. Our representatives and dealers are installation experts. We can afford no others.

Numerous unscrupulous concerns advertise and endeavor to sell imitation lightning rods and systems of installation which they take pride in craftily claiming are like the D. & S. Woven Copper Cable Lightning Rod and System of Installation.

**WE APPRECIATE COMPLIMENTS**—but—if you want reliable protection and profitable returns for your money buy the cable trade-marked D. & S. It is fully guaranteed forever. A guarantee we make legally binding. To you it means protection from loss. (Fully explained in catalogue. Send for it, without fail.)

**HONESTY—RELIABILITY—INTEGRITY.**—When you buy D. & S. rods you deal with a reliable and long established business concern—the originators of the lightning rod in its perfection as it is known and best appreciated by those who understand its great value. For convincing references address the People's Saving Bank, Des Moines, Ia., or consult your own banker. "Thousands of satisfied customers are our best advertisements—they know they are safely protected." More D. & S. Rods sold than any other three makes combined.

### Make yourself, your family and your property safe.

To-day—without fail—fill out this coupon and mail to  
Dodd & Struthers, 423 Sixth Avenue, Des Moines, Iowa

Please mail without cost to me Prof. West Dodd's Book, "The Laws and Nature of Lightning."  
Also tell me how to save money on insurance.

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R. F. D. ....

# THE FARM



### Keeping the Farm in Order.

I have often wondered why more farmers do not take pride and interest enough in their farms to keep them in order. There is not one in ten farmers that keep a tidy farm. It may be truthfully said that farmers are more careless with their occupation than any other class of business men. Probably it is because they have less rivals in neatness in their vocation than other business men. But with the army of college farmers, the old style, untidy farmer will surely have to get out of the old rut to keep his farm in line with the young agriculturist's farm.

It does not cost anything but a little well spent time and labor to keep a farm neat and in order. But it does gain you something; a reputation of

building material. But if you have not at hand the required material, purchase it; money expended for good fences is spent wisely.

When you build fence, go at it with a resolve to build it good, substantial and neat; and when complete you will feel proud of it. Some farmers keep their fences in good enough condition to keep their stock in and their neighbor's out, but we cannot praise the looks of their fences as the fence does not improve the look of the farm.

After the fence building is completed, clean up all material left over, if you desire a finished job.

If you have hedge fences, always keep them neatly trimmed, and keep the sprouts that grow outside the hedge row grubbed up. Always burn



being a neat farmer. All observing passers-by judge a farmer by his farm; just one glance at his farm and we mark him down as a reputable or shiftless farmer. Everywhere in evidence the farmer's character is stenciled all over the farm. A man does not necessarily have to be wealthy to keep a neat farm, as some farmers think. Look at the farms in your vicinity and you will see plainly that wealth has little to do with keeping an orderly farm. The average farmer's fences are broken down, hedge untrimmed, sheds and barns run down and in the act of falling down; small stacks of rotten hay, brush heaps and trash all around the barnyard. Such a pity, to think such a fine occupation as farming is used so roughly. The large heap of manure near the barn and all over the feed lot, shows that the farmer is either ignorant of its value or negligent in caring for the by-products of the farm. One shiftless farmer in making an excuse for not caring for the manure on the farm said that, "A farmer could not farm and haul out manure too." The excuse, which was a poor one, was similar to the man who could not see the forest for the trees. There is no good excuse for a farmer not taking care of the manure on the farm, neither is there a good excuse for a farmer not keeping the farm in order. A number of orderly farms in a district is of great value to the country. It adds beauty to that particular neighborhood, just as a number of beautifully decorated store houses, elegant residences and well kept parks add beauty to a city. A drive through the country in which there are a number of orderly farms is a pleasure to any one. So if you would be a successful farmer, if you would be a philanthropist, if you want to live well, if you want to do your community a good deed, begin at once and straighten up your farm, make a model farm of it. Utilize your spare time to cleaning up your farm. It will probably take no small amount of labor; but by devoting leisure hours to the work you will soon have a neat, trim home.

It might be well to begin on your fences; poor fences cause no small amount of trouble between neighbors. You may have enough posts somewhere on the place to assist in fence building. And in your "junk shop" you may find much valuable fence

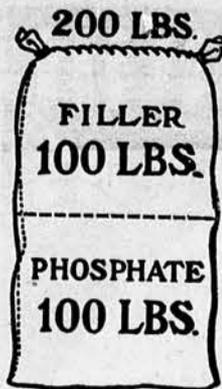
the brush as soon as possible after trimming down.

Most every farmer's gates are in bad condition. I would suggest the use of some of the numerous patent swing gates. A handy man can manufacture good, easy opening gates on his own farm if he prefers to. Then why not dispense with the old "rail gaps," wire, and clumsy board gates and hang in their stead some reliable patent gate or home made gate for convenience and appearance on the farm.

After repairing the fences and gates, the rubbish must all be neatly cleaned away if you desire your farm to look neat. And why not haul out the manure? You may not be so fortunate, or unfortunate as to have a week's or month's work there, but much or little haul it out and spread it over your fields where it will be of some value to you.

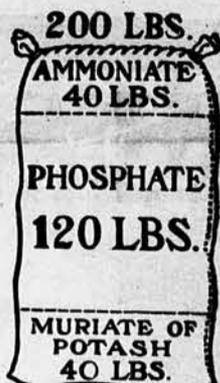
Every farm owner should have sufficient barn room to shelter all of his stock. The old barn would look much better if repaired; fix up the foundation, nail on the loose boards and neatly patch up the cracks in the neglected building. The only reason that farm buildings give out so soon is because they are neglected. Not many farmers would outlive the farm buildings if the buildings were at all times kept in good repair. All farm buildings should be given a coat of paint; paint adds so much to the life and looks of farm buildings.

Why not clean up the farm yard? Some farm yards comprise several acres and every inch of the space of ground is covered with rubbish of some kind. There is enough wood, boards, etc., lying around some farms to serve for stove wood several months, if it was just gotten together. All trash not fit for any use might be piled and burned or hauled into the field to fill hollows. All implements of no use should be sold to the local junk-man. The wooden parts of such implements might be used for stove wood. There is no cause for being loyal to the old binder, simply because it has served well in its time; unlike the old horse, the binder knows not of, nor cares not for your affection. All bolts, screws, etc., you intend to keep out of such implements, put in your work shop and do not leave them lying around, handy. Serviceable machinery should always



## Permanent Agriculture

Cannot be Based on Phosphate and Filler



Field experience all over the world proves that sooner or later a well-balanced supply of plant food must be used. Clover and phosphate do not make a balanced ration for wheat.

# POTASH

is needed—the longer bone or phosphate has been used, the greater the present need of Potash. We will sell you or your dealer a carload or a ton. Write us for prices. Potash PAYS.

Write for our new pamphlet on **Filler-Free Fall Fertilizer**, telling you just how to supplement your old brand with Potash, and how to mix filler-free fertilizer at home.

GERMAN KALI WORKS, Continental Building, Baltimore, Md.

## A Cheap Way To Insure Healthy Hogs

You believe in insurance—don't you? In fact, you are paying out your good money right now to protect your house, barn and other buildings from loss by fire, because you wouldn't feel safe for even a day without such insurance.

Are your hogs insured? If not, why not? We don't mean fire insurance, but life insurance—"Merry War" Lye insurance-- which will keep your hogs always fat and healthy and insures you getting them to market in prime condition to bring top prices.

### How To Prevent And Cure Worms And Cholera

Here is a simple, sure, safe way to keep your drove in a perfectly healthy condition, render them immune to contagious diseases and increase the weight.

Tablespoonful "Merry War" Lye mixed with slop for ten hogs, or one-half can with barrel of swill for larger quantity. Stir well, feed night and morning.

Do this, and no matter how sick your hogs may be, in a few days you will see a marked improvement. "Merry War" Lye cleanses the system, tones the digestive organs, makes sick hogs well and insures your pork profits.

### Take No Chances!

The time to act is NOW, before worms, cholera and other hog troubles get in their work. It will be too late when Mr. Hog slinks off into some corner, gives a feeble grunt, stiffens out his legs and passes away.

That kind of a dead hog will never fatten your bank account. What you want is



prime hams and bacon—not soap fat! So take no chances, but insure your porkers against an untimely death by starting them on "Merry War" Lye. And do it today. Don't delay!

### The Cost Is A Trifle

"Merry War" Lye is the least expensive as well as the best protection against hog losses ever discovered.

Its action is sure, and the cost for constantly keeping your drove in prime condition is so small that you will hardly notice it.

A fair trial will convince you beyond all doubt that "Merry War" Lye will do everything that its thousands of Farmer Friends over the country claim for it.

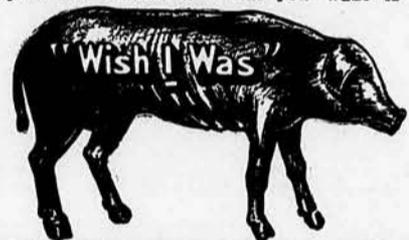
### At Your Dealer's

While most up-to-date dealers handle "Merry War" Lye, some dealers may offer you some other brand. If so, don't accept it, but explain to the dealer that while there are brands of Lye that are good for certain uses, yet there is only one kind "Merry War" Lye—that is safe and specially prepared for use in preventing and curing sick hogs.

So if your Dealer can't supply you, write us and we will give you the name of one who can; and will also send you a valuable book on "HOW TO GET THE BIGGEST PROFITS FROM HOG RAISING." Send for this book today.

"Merry War" Lye comes in 10c cans, or 24 for \$2.00, at Grocers' or Druggists'. Accept no substitute.

E. Myers Lye Co., Dept. 12 St. Louis, Mo.



## Louden Lightens Labor



LOUDEN MACHINERY CO., 639 Broadway, Fairfield, Iowa.

## KANSAS STATE FAIR TOPEKA, SEPTEMBER 10 to 17, 1910

Live Stock, Agriculture, Horticulture and Dairy Departments, Modern, Progressive. Bull like the best state supported fairs.

\$35,000.00 IN PREMIUMS.

Get busy with the best. Write now for premium list.

Place Your Entries Early.

\$1,500.00 for county collective agricultural exhibits. We want one from each county.

Great entertainment feature program announced later.

J. W. GOING, Pres.,

H. L. COOK, Sec'y.

# Frost Can't Kill Winter Wheat

## PLANTED WITH A VAN BRUNT SINGLE DISC DRILL

Your winter wheat will be safe from frost—your oats in spring will be safe from heavy rains, hot sun, and birds, because every seed will be deep enough in the ground to be protected.

With a Van Brunt Single Disc Drill you can use 25% less seed and make a big increase in yield because no ground is wasted through seeds not being properly planted. Every seed with a germ of life is sure to grow.

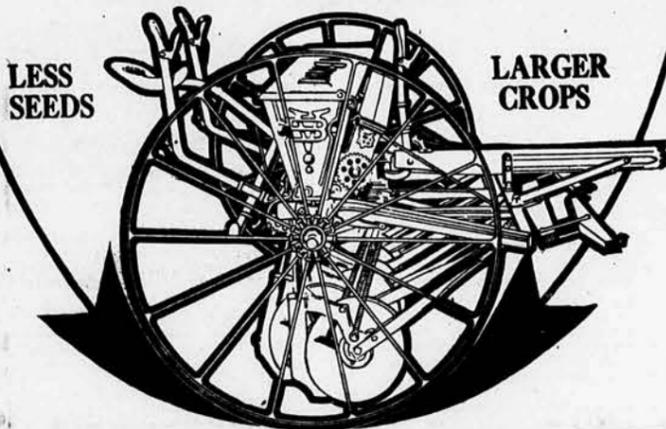
You increase quality as well as quantity. Seeds are all planted at equal depth. They all sprout, head out and mature at the same time, greatly increasing quality of the crop. Plants are rooted deeper and have stronger stalks to stand up against beating rains and damaging winds.

Twice a year—in fall when you sow winter wheat and in spring when you sow oats—you can save 25% on seed and substantially increase yield and quality.

A Van Brunt Single Disc Drill will earn profits for you for a lifetime. It is solidly constructed—light draft—has disc bearings of special construction which can't loosen and need oiling only once or twice a year—in every way a fine piece of machinery—the oldest established disc drill.

Any farmer who wants to get the most out of his land—who wants to increase the yield—can afford to neglect the facts which are given in our illustrated interesting Free Book. Write for it today.

VAN BRUNT MFG. CO., 134 VAN BRUNT ST., Horicon Wis.  
Distributors:—John Deere Plow Co., Kansas City.



LESS SEEDS

LARGER CROPS

# PLOW 30 Acres Per Day



COST: 50c. ACRE

USES GASOLINE, KEROSENE, or ALCOHOL.

50c AN ACRE is a low cost for plowing 30 acres daily including kerosene, hired man and other expenses. It is done with our easy-to-handle Traction Engine. No hitching and unhitching of horses, no lazy fellows to reprove, no worry and tears from poor help or sick horses. Unlike a steam tractor it loses no time getting up steam. All you do is prime your engine, start your sparker and off you go assured that you can plow 30 Acres Daily. But plowing isn't all you can do with a Hart-Parr Engine. Everything that a steam engine will perform the Hart-Parr will duplicate at much less bother and expense. You can hitch it to saw-mills, threshers, silo-filers, road-graders, harrows, drills, headers, irrigating pumps, etc. No trouble can come in freezing weather as its cylinder is oil-cooled and can't freeze. It is a great money saver, and for the farmer with 500 or 1000 acres it's just the tractor to make money every day. It's a pleasure to run it because it is so easily understood and doesn't get balky. The Ideal Engine for a dry country. Hundreds in use. A postal card will bring our illustrated catalog. Write today.

HART-PARR CO., 212 Lawler St., Charles City, Iowa



32 YEARS OF SUCCESS

Get Our Book Free

ROLLER-BEARING LIGHT DRAFT

## SUCCESS SPREADER

The only spreader with a 32-year record of good work. Simplicity, Durability and Light Draft always foremost. Direct Chain Drive. No Cog Gears. The choice of men who investigate thoroughly. Wood or metal wheels. A generation of experience back of every Success. The leader from the first. Exclusive features all patented. Catalog of facts Free. Write us promptly.

Kemp & Burpee Mfg. Co. SYRACUSE N.Y.

be kept under shelter when not in use. The implement shed should be a good, dry building; a damp, leaky shed is not sufficient. And no farmer should own more implements than he can shelter. But an implement shelter will be of little value to you if, instead of keeping your machinery under cover, you leave them in the field and fence corners.

The feed racks on the farm should also be well built and decent looking affairs; there is enough feed wasted annually on some farms to feed twice as many stock as are being fed, by the use of poor feed racks.

The barnyard well should receive attention. The barn well on most farms is generally neglected; the rickety curb or platform is just sufficiently strong to keep the farmer himself and his stock from falling into the well by a barricade of rocks, rails and old boards.

Why not clean out the well and take away the old fortification and put a respectable platform around the well? Put in some good water conveyance and supply the stock with pure water.

The hen house is generally the most disorderly building on the farm, when it should be neat, clean, comfortable and also convenient. Make some respectable chicken coops; nothing damages the looks of a farm more than a group of apologies for chicken coops. And give a good coat of paint to the hen house and coops; they will look much better. The average farmer will find it more convenient to fence the garden and let the fowls have their run, instead of having a yard for the chickens; unless more than one breed is kept. The garden should be neatly fenced with woven wire. The garden fence on most farms is generally a sorry looking enclosure.

The farm residence should receive your special attention. The farm residence, no matter how small, should be comfortable and neat. Nail on the loose boards, mend the leaky roof, remodel the rickety porch and doorstep, put in the broken window panes and put up good screens. The interior of the house should be fixed up neat and cosy. And when you do build the new house, remember the modern house is the proper farm building. Give less attention to room and more attention to comfort and convenience in building the farm house.

The water-closet should also be a neat, comfortable building.

Clean up the yard. Pick up the stones, bones, tin cans, etc., off of the yard. Move the "swill barrel," and clean out and fill up the filthy mud hole near the door, and if it is not a mud hole it is a fertile place where dish water is regularly poured out. Sanitation on the farm cannot be too strongly urged in regard to the swill barrel and fertile spot near the dwelling.

Clean up the yard all over, trim up the trees and shrubs, and cut down and dig up the unnecessary ones. Seed the yard to grass and put in walks. Fence the yard and put in a neat front gate. Ornament the yard, both back and front, with flowers instead of weeds.

The well or cistern should be so constructed to keep out all impurities, and everything around the well should be clean. The trees and shrubs in the orchard should be kept in good shape. If the orchard is not in cultivation, the weeds or grass should be kept mowed down short.

A farm kept in neat order is a credit to the neighborhood and the farmer and his family cannot help feeling proud of it. You often see farmers have a small board nailed on the gate or to a tree bearing the words "Hay for sale," or something similar. Why not put up a sign board instead. Give the farm a name, then find a board 2 by 3 or 3 by 3 feet. Paint the board to match the farm buildings, then have the name of the farm, the name of the owner, the name of the town from which you get your mail, the distance from town, the number of your mail route and your telephone number stenciled thereon. This should not cover the entire board; the preserved portion should be used for "want ads." Nail this sign board up at some proper place and there you are.

How much more beautiful and interesting the rural districts would be if more farmers would keep their farms in order and put up sign boards.

An orderly farm, like an orderly house, requires less work to keep

things going right. And after a farm is cleaned up there is but one thing more to do, and that is to keep it so. —Miss F. Lincoln Fields, Burlington, Kan.

Sheep sorrel is said to indicate by its presence a sour soil and this soil is said to be benefited by the application of lime. In very large sections of Kansas the soil is derived directly from limestone and such an application may not prove beneficial. It is probable that the growing of a crop of legumes like sweet clover or soybeans and plowing it under will remove the difficulty, as it is probable that the soil complained of is lacking in humus. Where possible the pasturing of sheep on the land will solve the problem.

Disking wheat ground immediately after the header or binder has been recommended for many years by the extension department of the Agricultural College until now hundreds of farmers in central Kansas try to start a team with a disk harrow the same day the header starts. This disking is not to take the place of the plowing but is intended to precede the plow from fourteen to twenty-five days. This method conserves moisture and always secures a better seed bed.

One acre devoted to poultry will give a larger profit than four acres devoted to cattle. This fact has been demonstrated time and again.

# VEGETABLE SCOOP FORKS

THE True Temper Vegetable Scoop Fork is not only invaluable for handling corn from field to wagon, bin or cars; but also for rapid and easy handling of almost all fruits and vegetables in bulk. It is the most useful fork that the farmer can own.



## Handles Without Injury

The blunt, flattened ends of the tines prevent bruising. Perfect shape and hang enable you to carry a large load with easy swing, screening out dirt or snow in the process.

Sold by hardware dealers everywhere. If your dealer doesn't handle, write us and we'll see that you are supplied.

The American Fork & Hoe Co. CLEVELAND, OHIO

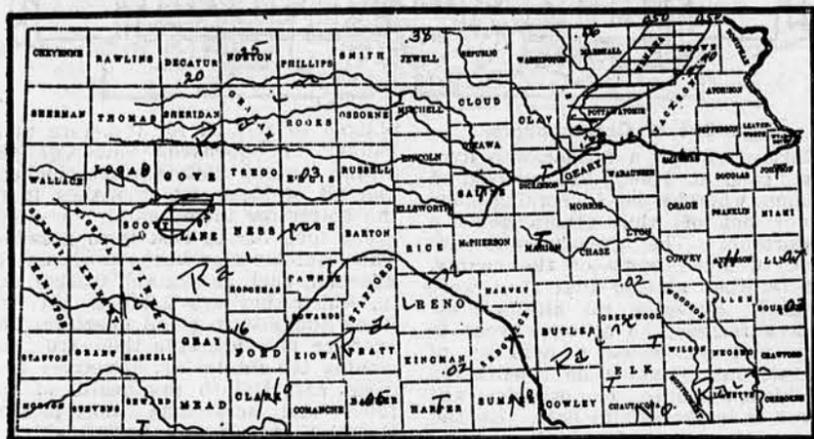
**Gasoline Engines, \$58.50.**  
30 Days Free Trial.  
5-Year Guarantee.  
Save at least 35% per cent on any size. Let us send you full information FREE.  
The Ottawa Mfg. Co., Ottawa, Kansas

## Can Moon Blindness Be Cured?

A free book sent postpaid on diseased eyes of the horse by America's leading, practical veterinary surgeon, giving symptoms and indications of all troubles with instructions how to treat successfully.  
CHICAGO VETERINARY MEDICAL COMPANY  
1933 Wabash Ave., Chicago

# KANSAS CROP REPORT and Rain Fall for week ending July 30

Rain chart prepared by T. B. Jennings from reports collected by the Weather Bureau.



SCALE IN INCHES:



### GENERAL CONDITIONS.

This has been a trying week on man, beast and vegetation. The day temperature, with few exceptions, has ranged from 103 degrees to 110 degrees. The night temperatures ranged from 60 degrees to 87 degrees in the western counties, from 64 degrees to 99 degrees in the central counties, and from 61 degrees to 88 degrees in the eastern counties. The persistence with which the high temperature was maintained is unusual in Kansas. Light showers have crossed the state from southwest to northeast in four different strips, leaving much of the state without even a trace of rain. Early corn which was generally in tassel has been more or less damaged and pastures have been materially shortened. Gardens, orchards and vineyards have suffered to some extent. With the close of the week the temperature has cooled somewhat.

#### Results.

##### Eastern Division.

**Allen**—Corn crop cured while standing and past all hope.  
**Anderson**—Hot and dry. Corn suffering for rain, especially in west part of county. Pastures short and water scarce.  
**Bourbon**—Hot and dry.  
**Brown**—Dry and hot. Needing rain.  
**Chase**—The general verdict is that corn is seriously damaged.  
**Chautauqua**—The corn crop will be almost a total failure. Grass in the pastures will burn. Water is very scarce. Stock in some localities suffering for water.  
**Coffey**—Corn crop damaged one-half.  
**Douglas**—Dry, hot week. Corn needs rain and less hot wind. Damage to barley and spring wheat by chinch bugs slight. Alfalfa turning yellow from dry, hot weather.  
**Elk**—Hot wind every day since the 22d, the daily maximum temperature ranging from 105 degrees to 108 degrees. Corn badly damaged, and pastures drying up. Stock water getting scarce in places.  
**Greenwood**—Early corn damaged 50 per cent. Prairie hay 50 per cent. Stock water getting low.  
**Johnson**—Dry week with much hot wind. Not much damage to corn. Need rain very much.  
**Linn**—The extreme heat is damaging the corn. If it continues another week the crop will be very small. Pastures are very short.  
**Marshall**—Hot, dry. Corn tasseling. Wird hot enough Monday and Wednesday to fire the bottom of upland corn. Sweet corn in roasting ears. Apples about half a crop, some orchards having none. Rain at once, and on, would give a chance for a fair crop of corn.  
**Montgomery**—Six days of hot winds have destroyed the corn. Pastures have dried up and farmers are feeding their stock.  
**Nemaha**—In need of rain. Corn cultivating about finished. Oats are cut, and third cutting of alfalfa in progress.  
**Pottawatomie**—All crops doing well, though the extreme heat of last few days has been alarming.

**Riley**—Hot, dry, telling on all vegetation. Shawnee—Dry, hot weather shortened corn and pasture.  
**Woodson**—Hot and dry. Fodder nearly ready to cut.

##### Middle Division.

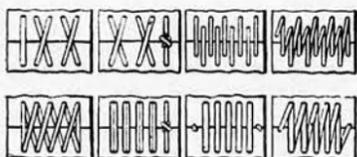
**Barber**—Hot winds. Corn crop being ruined rapidly. Unless it rains in few days will be almost total failure.  
**Burton**—Weather intensely hot. Hot winds the past week with temperature ranging from 103 degrees to 109 degrees. Corn is badly damaged. Poor show for crop.  
**Butler**—Corn looks very unfavorable, and if the weather remains hot much longer with no rain there will be little corn in the county.  
**Dickinson**—Hard week on corn and vegetables. Early corn badly damaged.  
**Ellis**—Temperature 105 degrees to 107 degrees four days. Nothing to say.  
**Harper**—Hottest week on record here. Hot winds have blown daily. Damage of course is great.  
**Jewell**—Wheat thrashing out 10 to 25 bushels; corn doing well but will need rain soon.  
**Kingman**—The hot winds and exceedingly high temperature the past week have made the fine prospect for corn look pretty bad.  
**Marion**—This has been a hard week on corn, 25 per cent is hurt. Discouraging.  
**Pawnee**—Terrific heat past week without rain. Hot winds two days damaged corn seriously. Ground too dry and hard to plow. Wheat thrashing progressing rapidly and good yields continue.  
**Russell**—Very hot wind. Corn suffering.  
**Saline**—Corn suffering badly from hot winds and drouth.  
**Stafford**—Dry and hot. Too dry to plow.

##### Western Division.

**Clark**—Hot and dry. High winds and two days of hot winds. Vegetation will soon be burned unless a change in weather comes.  
**Decatur**—Harvesting all done. Thrashing well under way. Feed crops extremely short. Corn practically all ruined by the extreme heat and drouth.  
**Lane**—Hot winds last four days. Corn and forage crops have suffered much. Too dry to plow. Thrashing progressing. Wheat yielding 4 to 15 bushels.  
**Norton**—The prolonged drouth has ruined the hap crop. Corn not in over a ten per cent condition. Pasture almost dry enough to burn.  
**Seward**—Wheat yielding about 12 bu. per acre. Fall crops look well; are not injured by lack of rain yet.  
**Thomas**—Dry and hot. Pastures getting very short. Corn will be a failure. Forage crops will be very short unless rain comes soon.  
**Trego**—A week of extremely hot, dry, weather. Corn damaged.  
**Wallace**—Hot, dry week. Corn in south part of county doing fairly well. Hay crop short. Buffalo grass drying up. Stock doing fairly well yet.

### Lacing Belts.

In lacing belts on the threshing machine an effort must always be made to have the ends of the belt joined perfectly and to have the work done so that there will be the least possible irregularity on the belt surface and consequently the least amount of friction on both the belt and the thongs. Here are four ways of doing



it. The first drawing on the upper left hand corner shows the pulley side and the next one the outside of the same lacing. The other drawings appear in the same order and show the pulley side first, then the outside. Of course these drawings are made to show the ends of the belt coming together where the line runs through the middle of each. A choice may be

made of the method preferred and the holes punched accordingly. Either of these methods may be used on belts not wider than 16 inches. Where belts are wider than this the lap splice would be better. All belts should be cut a little shorter than the distance around the pulleys, say 1/8 to 1/4 inch for each foot in length. Punch the holes so that their diameter will be about 3/4 that of the width of the thong. Begin lacing in the center and work towards one edge of the belt, then back through the center to the other edge and return to the center through the same hole but from opposite directions. Then punch an awl hole about an inch distant and tuck both ends of the thong through this and cut them off so that the ends will be only about 1/2 inch long.

**\$10.00 Sweep Feed Grinder** | **\$14.00 Galvanized Steel Wind Mill.**

We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

**CURRIE WIND MILL CO.,**  
Seventh St., Topeka, Kansas



A valuable catalogue sent free

IT is valuable to you because it tells facts about gasoline engines you should know.

We have proved to thousands that an

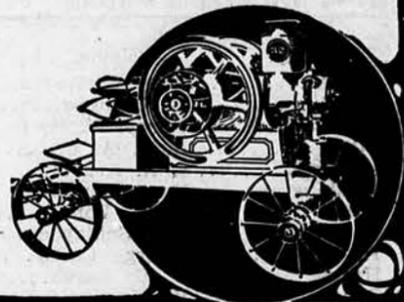
## Olds Gasoline Engine

is the best engine investment they could make. The catalogue was the first step—the engine always makes good. Write for it today. You are guaranteed against all repairs for one year.

Investigate what the removable water jacket, the wonderful Seager mixer, and the absence of a gasoline pump, means to you.

### Seager Engine Works

1026 Seager St., Lansing, Michigan  
 Boston Philadelphia Binghamton Omaha  
 Kansas City Minneapolis Los Angeles



You can safely answer the advertisements in KANSAS FARMER, and buy the things advertised, because we do not allow any advertiser to continue in our pages, if he fails to make good as he advertises. Our guarantee on page three is your insurance of honest dealing.

## My Special Offer to the First Man In Every Community Who Orders a RANKIN MANURE SPREADER



I'm going to make it worth while for you to get a letter or postal card to me by the first mail for this Special Introductory Proposition on the Rankin Manure Spreader. In addition to the Wholesale Price which I make to everybody, I'll give every cent of my profit to the first buyer in every community. I do this for the simple reason that a David Rankin Spreader stirs up great interest in the entire neighborhood and makes a market for more.

### Tremendous Strength, Light Draft, Big Capacity

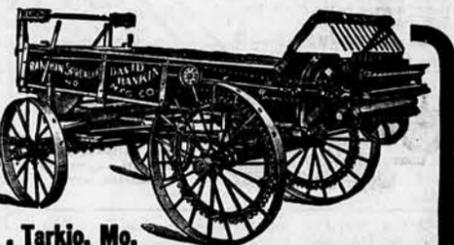
My Spreaders easily handle the enormous tonnage of manure on my farm. They've got the capacity and the strength. I figure every ton of the manure I spread worth \$2 to \$4 in cash.

### 30 Days' Free Trial—Wholesale Prices Every Spreader Personally Guaranteed

I build two styles of Spreaders: No. 1—Rankin Spreader, complete, a Standard Spreader. No. 2—Rankin Wagon Box Spreader (no truck, but will fit any ordinary wagon or truck). Take your choice. Use it 30 days and if you are not absolutely satisfied I'll refund your money and pay freight both ways. Wholesale Prices to everybody. No dealer's rake-off to pay. My Personal Guarantee on every Spreader.

### The Rankin Road to Riches

Take my advice and give the soil a square deal. Balance the crop wealth you get by enriching the soil with manure. That's the great secret of successful farming. The road to Prosperity is as plain as day and the tracks of the Spreader mark the way.



Send me a postal now, without fail, for the Special Proposition.

**DAVID RANKIN, President**  
 David Rankin Mfg. Co., Dept. 171, Tarkio, Mo.

## HOLLAND STOCK FARM

Importers and Breeders of  
**Percheron and German Coach Stallions and Mares**  
 Do You Want to Buy a Stallion for Cash? Go to the Holland Stock Farm.  
**CHAS. HOLLAND, Prop. SPRINGFIELD, MO**

## Sanitary Hog Fountain



Write for free trial offer. Manufactured for Kansas Exclusively by **Hutchinson Tank Mfg. Co., Hutchinson, Kan.**

When writing advertisers please mention Kansas Farmer.

**CORN HARVESTER** with Binder Attachment cuts and throws in piles on harvester or winnow. Man and horse cuts and shocks equal with a corn binder. Sold in every state. Price \$20 with Binder Attachment. S. C. MONTGOMERY, of Texaline, Tex., writes:—"The harvester has proven all you claim for it. With the assistance of one man cut and bound over 100 acres of Corn, Kafir Corn and Maize last year." Testimonials and catalog free, showing pictures of Harvester. **NEW PROCESS MFG. CO., SALINA, KANSAS.**

## 1 MAN HAY PRESS

With one horse you can bale a ton an hour with our wonderful Daisy. Self-feed, condenser, bar-sided hopper, and self-threading device, reduce hand work, increase baling capacity. Five days free trial. Write today for prices and testimonials. We have hundreds of delighted users.



## Directory of Seed Wheat Growers

List of the Kansas Farmers Having Kansas Grown Seed Wheat for Sale

Buy Your Seed Wheat From These Advertisers and Be Assured of Quality and Fair Dealing

Advertisements under this head, set in uniform style, giving county, name, address, variety, and number of bushels for sale, are inserted for the rates as given herewith, and for cash with order.

|         |          |          |          |          |          |
|---------|----------|----------|----------|----------|----------|
| 1 time. | 2 times. | 3 times. | 4 times. | 6 times. | 8 times. |
| \$ .75  | \$1.50   | \$2.25   | \$2.80   | \$4.20   | \$5.60   |

This Seed Wheat Directory furnishes the most effective advertising for the least cost. Try it and be convinced.

| County.    | Name.              | Address.       | Variety.   | Bushels for sale. |
|------------|--------------------|----------------|------------|-------------------|
| Barber     | Mary Best          | Medicine Lodge | Kharkof    | 4,000             |
| Cloud      | R. R. Biggs        | Glasco         | Kharkof    |                   |
| Barton     | Henry W. Bortz     | Claffin        | Red Turkey | 3,000             |
| Riley      | K. S. A. C.        | Manhattan      |            | 10,000            |
| Mitchell   | S. A. Arnoldy      | Tipton         | Kharkof    | 200               |
| Washington | Henderson Long     | Haddam         | Kharkof    | 1,600             |
| Pratt      | G. W. Yoho         | Pratt          | Kharkof    | 2,000             |
| Thomas     | Ben Schlayeck      | Angelus        | Turkey Red | 1,500             |
| Harper     | George Covey       | Ferguson       | Kharkof    | 500               |
| Harper     | T. B. Marsh        | Anthony        | Kharkof    | 600               |
| Gove       | P. W. Harvey & Son | Quinter        | Kharkof    | 2,000             |

## WHITE PLYMOUTH ROCKS

(EXCLUSIVELY.)  
For 18 years I have bred White Rocks, the best of all purpose fowls, and have some fine specimens of the breed. I sell eggs at a reasonable price, \$2 per 15, or \$5 per 45, and I prepay expressage to any point in the United States.

THOMAS OWEN.  
Station B, Topeka, Kansas.

### \$2.50 FOR \$1.50

If you want names and addresses take advantage of our introductory offer. Send \$1.50 for Nemaha County list, contains 5,500 correct names and addresses, alphabetically arranged; other counties will be completed soon.

NEMAHA DIRECTORY CO.,  
Corning, Kansas.

## \$50 TO \$300 SAVED

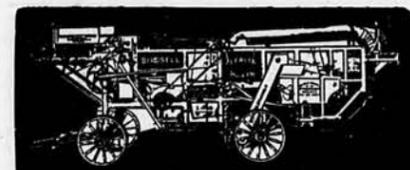
We are manufacturers, not merchants. Save dealers, jobbers and catalog house profit. I'll save you from \$50 to \$300 on my High Grade Standard Gasoline Engines from 2 to 22-H.P.—Price direct to you lower than dealers or jobbers have to pay for similar engines in carload lots for spot cash.

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# POULTRY



### Eggs Out of Grasshoppers.

Chris. Gunther, a farmer who lives near Oberlin, Kan., has evolved a scheme whereby he is making good money out of what others deem a misfortune. The grasshoppers are thick in some parts of the county, and Gunther noticed that they were seriously damaging his alfalfa crop. As a remedy, he at once went to town and purchased a quantity of lumber, out of which he constructed a chicken house on wheels, and placed it in the alfalfa field. He had a flock of over six hundred chickens, which he at once transferred from the barnyard to the alfalfa field. The grasshoppers were thick and the chickens began to thrive.

Gunther claims that the egg yield began at once to increase in quantity and the young chickens to grow rapidly. Since beginning his novel method of exterminating the hoppers, he has moved the coop around over the field, the chickens following, until he has succeeded in getting rid of great numbers of the pests. His field is one of the very few in his neighborhood which is not being damaged by the grasshoppers. "It is one of the easiest ways I ever found," says Gunther, "of making money. Turning grasshoppers into eggs and selling them for fifteen cents per dozen beats raising alfalfa and wheat." This method of Mr. Gunther's would be followed by other farmers to good advantage. There is a three-fold advantage in it. First you save valuable money by making the chickens eat grasshoppers in place of high priced grain that you otherwise would have to feed them. Second you save your alfalfa crop by destroying the pests that hurt it, and third you are feeding your chickens the very best kind of food that enters into egg-production, animal food; a food that is not found on the ordinary farm and which must be bought at a high price. While the expense of making a portable poultry house costs some money, its good results would pay for itself several times in a season where there are large alfalfa fields. In the case of turkeys it would not be necessary to build such a house for them, for they are naturally of a roving disposition and are great foragers. It would pay alfalfa growers to raise large flocks of turkeys not only for the big money the turkeys would bring them in the fall, but for the benefit that would ensue to their alfalfa fields, after the great hordes of grasshoppers are destroyed.

In order for a hen of a certain weight to produce an egg of a certain size or weight, she must have just enough wholesome food, her system must not be overtaxed by too much or starved by too little. In fact, everything must be conducive to the comfort of the hen if a continuous yield of eggs is expected. The quarters must be dry, warm and clean; the hen must not be allowed to remain in idleness, for this will surely lead to bad habits; besides it is contrary to nature for a hen to have nothing to do and nothing tends to produce good health and keep a hen in laying condition like exercise. It brightens her up, makes her thrifty and vigorous, and in cold weather, lively exercise will keep her warm. The egg contains a variety of substances and so the food must be varied accordingly; grain of different kinds, bone and meat, vegetables, lime and one other article, which should never be overlooked, and that is grit. If you wish hens to do their best, by laying all the time, see that the flocks are not too large or too many crowded into one house. Fifty good hens well cared for, will give better satisfaction and greater returns than one hundred half kept. As a general thing, it is not the large flock that is making the clear profit for the poultry raiser, but the small lots that are well kept.

One of the reasons for the success of the Philo system is that its followers bury the food of the chickens in the shape of wheat or oats several inches in the ground and the hens are

obliged to scratch for it before their hunger is appeased. Some of the grains sprout before the chickens find all of them, which makes it all the better for them as it provides green food in the best form possible. This exercise also keeps fowls out of mischief, such as egg and feather eating, which they are liable to get into when confined to small quarters. The exercise also prevents them from becoming too fat to lay. Exercise is a great essential to the health of the fowls and scratching and picking should be encouraged by furnishing a bullock's head or entrails for them to tear at as a regular occupation. It is the idle hen, like the idle man, that gets into mischief. Keep them busy and you keep them straight and right.

### Poultry Notes.

It is sizzling hot and the chickens that are without shade are to be pitied.

While you are cleaning up don't forget the nests. No portion of the hen house fosters more vermin than the nest. Remove every particle of the nesting material and burn it up, replacing with nice fresh cut straw or hay. If the nest is removable, burn it over with kerosene, if not removable, saturate it well with coal oil and carbolic acid.

One of the principal advantages the farmer has in raising poultry is that he can give them such a large range. Because this lessens so much the cost of feeding, his profits are greatly increased. Much of that which they pick up would be otherwise wholly wasted. Moreover, their life of freedom gives them variety, health and thrift which confined fowls do not have.

It is not a good plan to keep feed before a flock of hens all the time. If this is done they will get fat and lazy, and will not take enough exercise to keep them in laying condition. It is the best plan to have a fixed time for feeding fowls, especially in the morning and evening, and not feed them at irregular intervals. If they are fed at about the same time every evening, they will soon learn when to come for it and will be content until that time. If feed is thrown to them at all sorts of times, they will come rushing around you as soon as you make your appearance and a good many will stay close to the house all day in expectation of being fed. The best way to feed hens in the summer is to feed them in the morning and again just at night and give them nothing to eat between times. If kept confined, they should be fed three times a day at least, as they are apt to be led into mischief, such as feather pulling and egg eating, if left in idleness too long.

In fattening broilers it must be considered that much of the food will be converted into growth of frame rather than fat, but the adult fowl, having ceased growing, fattens readily. Broilers are very difficult to fatten. No attempt should be made to force them until they are eight weeks old, and have passed the feathering process, as overfeeding may be detrimental, especially in causing leg weakness, the legs being unable to hold the weight. The best mode is to feed a mixture of equal parts of cornmeal, bran and ground oats, by measure, moistened to a stiff dough with fresh milk, as a morning meal. At noon give cornmeal, adding to each quart, a tablespoonful of powdered charcoal, a tablespoonful of bone meal, a gill of ground meat and four ounces of crude tallow. Scald the mixture and mix well. At night give cracked corn and whole wheat. Feed as much as they will eat, but never leave food before them. Between meals give a mess of chopped grass or clover or any green feed in the morning, with a little millet seed between meals in the afternoon, to make them scratch. The above method of feeding will also serve for fattening adult fowls as well as broilers.

# DAIRY



## Wooden Silos, Other than Stave.

It is probably best in treating a subject of this nature to disregard a great many types that are known but not generally used and deal with more carefulness upon the more common and undoubtedly better types. Of all the wooden silos, other than stave the King and Gurler seem to be the most commonly used in the leading dairy states and there has been several publications regarding them. Bulletin No. 83 of the Wisconsin Experiment Station describes the King silo in considerable detail. Bulletin No. 125 of the same station contains a discussion of both the King and the Gurler.

Taking up the King type of silo, the first thing to be considered is the foundation. This should be a good solid masonry foundation extending at least twelve inches above the ground to prevent decay from dampness. It should be 1 1/2 feet to 2 feet thick for a silo 30 feet high. In placing a wall, which in the King is only 5 or 6 inches thick upon a foundation this wide there will necessarily be a shoulder on the foundation which must project into the pit or outward beyond the sill. As to which is the best has never been settled to any degree of satisfaction. If the shoulder projects in, it to some extent prevents the silage from packing, but this fault can be almost entirely prevented by sloping the shoulder. If the shoulder extends outward the capacity is not only increased but the walls are left perpendicular which allows better packing of the silage, nevertheless, there is a strong tendency in this case for the wall to crack at the junction of the wall and foundation and allow the rain to penetrate and cause rotting. Personally I would prefer the shoulder extending outward.

The sill is made by cutting 2 by 4's into foot lengths and laying on the wall in a circular position. A double layer may be laid if so desired, care being taken that the second layer breaks joints with the first. A better way is to saw short sections out of six by eight plank and cutting them to the curvature of the circle. In this way the sheet may be nailed directly to the sill.

The studding need not be more than 2 by 4's but should not be farther apart than twelve inches, center to center. Strength is not needed so much as it is necessary to have the two layers of sheeting brought close enough to press the paper together and prevent air from entering in where the paper laps.

The character of the siding and sheeting will vary with the condition and size of the silo. "When the diameter is less than 18 feet and not much attention need be paid to frost, a single layer of beveled siding, rabbeted on the inside of the thick edge deep enough to receive the thin edge of the board below will be all that is absolutely necessary on the outside for strength and protection against weather."

The plate should be formed by cutting 2 by 4's into two foot lengths in the same manner the sill was formed and lay on top of the studding, then lay a second row on top of this, having them break joints with the first. Or, as was done in making the sill, the plate may be sawed out of 2 by 6 plank in the curvature of a circle so that the sheeting and the lining may be nailed to the plate and make a tight joint.

The silo should be lined with two layers of 1/2 inch boards, the second layer breaking joints with the first, using paper between to make the joints air tight. The paper used should be both acid and water proof. If this is not the case it will be but a very short time until the paper will disintegrate at the joints and leave the lining in poor shape.

Ventilation is a necessity and if not present will lead to decay and rotting of both the roof and sides. The best way to ventilate a silo of this type is to bore a hole from the outside in between every studding at

the bottom of the silo and then make an opening on the inside at the top just below the plate. Then some sort of a ventilator should be made in the roof. This may be either a cupalo, which would serve as an ornament or simply a galvanized iron pipe 12-24 inches in diameter. The openings in the side should be so arranged that they can be opened or closed at will to prevent freezing.

The Gurler silo is built on the same plan as the King so far as the frame goes but the method of lining and sheeting is entirely different. The mode of lining as given in the Wisconsin Bulletin No. 125 is as follows: "Next to the studding on the inside is the 1/2 inch or three-eighths inch sheeting made by splitting or resawing common six-inch fencing. Upon this are nailed the beveled lath—the so-called Gurler lath. These lath are made by ripping the three-eighths inch sheeting into five strips, the narrow face of the lath being a little less than three-fourths inch and the wide face a little less than one and one-half inches. These lath are put on with the narrow face against the wall, leaving a dove-tailed space between them. The wall is then plastered with cement about one-half to five-eighths inches thick."

During the season of 1896 a silo was constructed at the South Dakota Experiment Station. The frame was similar to the King and Gurler but differed in the outside sheeting and inside lining.

The lining of the South Dakota silo was made of one thickness of one-half inch No. 1 fencing, six inches wide, being neither planed nor matched. This was then coated with hot coal tar after which a layer of tarred felt was applied. Then a layer of one-half inch fencing was placed on and made to break joints with the first. This was given two coats of hot coal tar, the last of which was boiled to make a hard, glossy finish.

The outside sheeting and siding is composed of one-half inch fencing and rabbeted lap siding with tarred felt between. It is necessary to cut the siding into pieces not to exceed eight feet in length in order to get it to lie flat against the sheeting without "crimping."

The superiority of one of these three types of silos will vary with the conditions. The Gurler type is probably the cheapest, owing to the fact that it is without any sheathing or siding, but for this same reason it is rendered too weak to withstand outside conditions. This type was designed especially for inside conditions and when treated as such is a good silo.—Carl D. Irwin, Salina, Kan.

What a feeling of independence is that possessed by the man who owns a silo. Not only is he sure of saving his first crop of alfalfa, whether it rains or not, but he is also sure of saving his corn crop whether it is dry or not. In the summer drouth his ensilage keeps up the milk flow and in winter it insures the same conditions enjoyed by the cows on June grass. More than all this, the silo enables the farmer to save his entire corn crop and not the ears only. The silo man don't have any icy fodder to haul in each winter day nor does he have to watch his cows dry up in the heated summer time, but he does get his cream check right along and it doesn't shrink.

## The Stave Silo.

Much has been said about silos and many different kinds of silos have been built and tried; some of them have failed, while others have proven a success. The chief reason why many have failed is not on account of the particular type of silo but because of not having been properly constructed. Most any type of silo if well constructed will prove to be successful if properly filled and handled.

Now the first requisite of a good silo is that it must be air tight. Ensilage will not keep in good condition unless all air is excluded. Next, a silo must be durable, a good founda-

tion, rigid walls and of such material that will resist weathering and decay. Third, it should be so constructed as to require the least amount of labor to fill and to feed, and the least attention while empty.

If these essentials are carefully observed most any kind of silo will preserve the ensilage and be profitable where stock is being fed.

Now the question arises, what is the most profitable sort of silo to construct for the least money? Economy in building must not be overlooked, and to any one who wishes to construct a good silo at the least cost the stave silo may be recommended. This is the simplest kind of silo and is built on the same plan as a large water tank, the stave running up and down set on a solid foundation and held together by iron hoops.

This sort of silo has met with a great many criticisms and the Wisconsin Experiment Station in Bulletin No. 83 mentions some objections to the stave silo. Owing to the fact that unless well built, when the silo is empty and the boards shrink during dry weather they are apt to blow down and this has been true of many silos but most of these were cheaply constructed and the boards not properly fitted. The staves should be beveled so as to fit well against each other and nothing but the best lumber should be used. Cypress is without any question the best. It resists decay, is impervious to acids, shrinks and swells less than other wood and is usually free from knots and other defects. It, however, is rather expensive and where somewhat cheaper lumber is desired Washington cedar and white pine are good, yellow pine and hemlock are also good for silos.

No matter what kind of lumber is used it should be free from knots and should be straight grained. The bottom of the silo should be of cement whether on level with the ground or several feet below the surface. In either case a good foundation is necessary and should be at least below the frost line. The top of the foundation should be slightly concave and smooth and after the staves are in place a cove of cement should be put all around the bottom on the inside, two inches from the walls. This space between the cove and the wall can be filled with pitch to fill up all possible cracks and yet allow enough space for shrinkage. To get the staves perpendicular set up two six by sixes for the door frame and toenail the first stave to this. The succeeding staves should be successively toe-nailed at top and bottom. A factory-made silo is really the only kind of silo to put up as the staves are all properly beveled and ready to fit together.

The hoops should be of 5/8 inch steel in 12 foot lengths, held together with iron lugs; iron lugs are preferable because wooden lugs rot too easily. The rods should have long threads so they may be tightened in case they become loose. Staples may be driven over the rods to keep them from dropping down. The first hoop should be not more than six inches from the base of the silo, and the hoops should be fairly close together near the bottom from one to two feet and not more than three feet apart near the top.

Door should have a smooth surface on the inside and when shut should be air tight. There are several good types of doors for silos, one is the beveled edge door, the pressure of the ensilage keeping them intact and air tight. Another good door is the hinge door of the Bushnell hinge door silo. This is a very good door, opens to the inside and is very convenient. A sliding door is not very satisfactory as the boards get battered and broken when taken out and soon get so they will not fit tight and thus admit air. The roof of a silo is of least importance. Any sort of roof that will shed water will answer the purpose.

A good stave silo can be thus built for less money than any other kind of silo, and if properly constructed will give better satisfaction. It is, however, economy to select only the best material and the best workmanship available.—Wm. Droge, Seneca, Kan.

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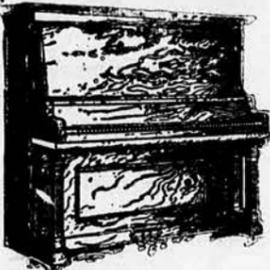
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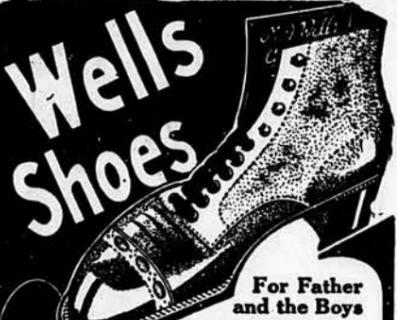
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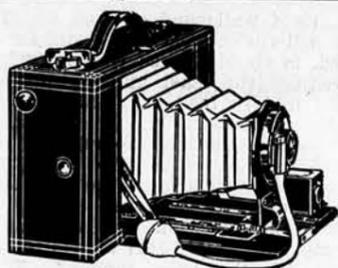


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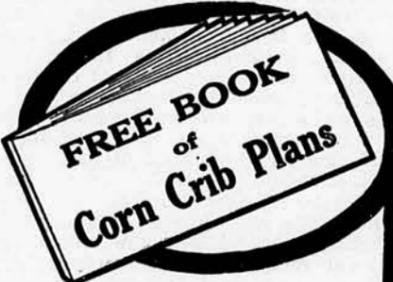
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Each year we are hearing the value of living out of doors more and more. And the sooner we all put this knowledge to a practical use the better we will all be. If there is a comfortable and attractive place to go for the rests which come in our daily routine of duties we will always prefer to be out in the air. There are so many ways of making the porches attractive nowadays and without great expense. First a covering for the floor. There are probably some rugs about the house that will do very nicely. If not, many are made of woven rags, and in that case they can be made in a color that will harmonize with your color scheme. For it is well in starting to adopt some color for the prevailing note. Green is always cool looking and never clashes with other colors. In making your rugs you can die the rags any color you wish and then have a border woven at each end, using strips of some contrasting color. Finish each end with fringe or bind them with some firm material such as denim. In the way of furniture a table to hold the magazines or the work basket is an essential, some comfortable chairs and a couch or something that we can stretch out on for a few minutes. If the furniture is old a coat of paint in the chosen color will make it look like new, and some covers and cushions made of some bright pretty cretonne will complete the furnishings. Besides being pretty these covers will laundry and so can be kept clean and fresh. By screening in the porch one is relieved of the necessity of fighting flies and mosquitoes. Once the habit of using these outdoor living rooms is formed, it is a lasting one and can be put to so many practical and helpful usages. Porch parties are always so pretty and so much more comfortable during the warm weather and the informality of it all leaves a feeling of sincere hospitality and good fellowship with the friends who drop in for a little visit.

### For Sunstroke.

In case of sunstroke, remove the patient to a cool spot, elevate the head and apply ice water on it. Also apply mustard or turpentine to the calves of the legs or soles of the feet.

### Of Course It Does.

Little Harry was the proud possessor of a very bright, shiny new nickle, and his mother, wishing him to learn to be generous and unselfish, said: "Harry, don't you want to buy Cousin Elsie a stick of candy, now?" Very earnestly came the answer: "Oh, no! mama. It does beat all how fast a nickle goes, after you once get it broke."—The Delineator.

It has been said that what appeals to the eye will generally appeal to the palate. A little care and taste in serving will make the simplest food attractive.

Excellent dust cloths may be made by dampening cheese cloth with kerosene oil and shutting them up in a covered tin pail for twenty-four hours. At the end of that time they are ready for use and will pick up dust instead of scattering it. In washing them use warm, not hot, soap-suds.

A simple way to keep from burning one's fingers while removing fruit-stains from linen with boiling water: Stretch the stained portion over a deep bowl or basin and hold it in place with clothes pins. It is then an easy matter to pour on the boiling water.

To Remove Cakes Without Sticking. When taken from the oven, immediately place the cake pans on a cloth wrung out of cold water, and the cakes will not adhere to the pan. When baking solid cakes, invert the pan and place the cloth on the inverted bottom, and the cake will come out perfectly.

### Cabbage and Corn.

Chop fine enough cabbage to make one pint. Cut from the cob enough corn to make three pints. Cook together until tender, adding a very little water when necessary. Season with a lump of butter, salt and a little sweet cream.

### Peach Cream Pie.

Line the piepan with good pastry. Fill with thinly sliced peaches. Mix together, one cup sweet cream, two tablespoons flour, and one heaping teaspoon butter if preferred; pour over peaches, after sprinkling them well with sugar. Bake with one crust in a moderately hot oven.

### 8744—A Cool and Dainty Summer Style.

This graceful model may be worn over a guimpe or made with the tucker supplied in the pattern. As here shown figured foulard was used. The

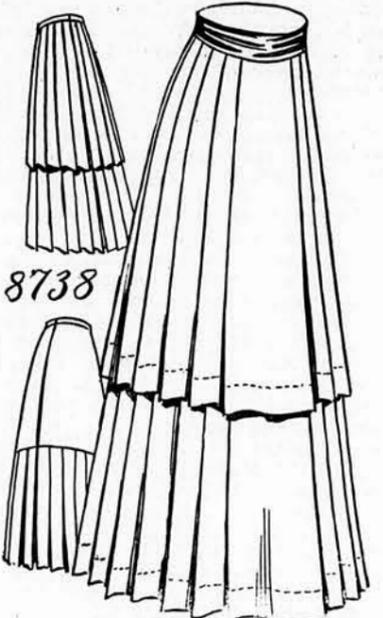


design is equally appropriate for lawn, chambray, messaline, poplin or cashmere. The body portions are finished with box plaits and a deep Gibson plait over the shoulder. The pattern is cut in 6 sizes: 32, 34, 36, 38, 40, 42 inches, bust measure. It requires 2 3/4 yards of 22-inch material for the over blouse and 1 3/8 yards of 32-inch material for the tucker.

A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.

### 8738—Misses' Plaited Skirt.

Composed of a gored yoke portion, lengthened by a plaited founce with straight lower edge, and a plaited upper skirt also having a straight lower edge. The skirt may be of cloth, light



weight woolsens, silk or wash fabrics. The pattern is cut in 3 sizes: 14, 16, 18 years. It requires 4 3/4 yards of 36-inch material for the 16-year size.

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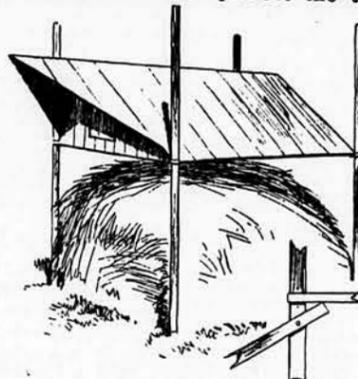
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**HALL & CARTENSEN, Belleville, Kansas.**

**H. J. SETCHELL & SON, Real Estate, Morland, Kan.** Send for free list of Graham and Sheridan county lands.

### MONTGOMERY COUNTY LANDS.

Montgomery county is second in population and 5th in wealth in Kansas. Write for list of choice farm bargains and prices.  
**W. J. BROWN & Co., Independence, Kan.**

**CHOICE KANSAS FARMS in Smoky Valley, Saline and McPherson counties, where you can raise alfalfa, corn and wheat with profit. Write for information and list.**  
**DAVID BACHMAN, Lindsborg, Kansas.**

### IF YOU WANT

to buy Trego County corn, wheat and alfalfa land, at \$15 to \$40 per acre, write for free information about this section.  
**SWIGGETT, THE LAND MAN, Wakeeney, Kansas.**

**IF YOU ARE INTERESTED IN CENTRAL KANSAS, WESTERN KANSAS OR COLORADO LANDS FOR A HOME OR INVESTMENT, STATE YOUR CHOICE TO C. C. WALLACE, BROOKVILLE, KANSAS.**

### 1120 ACRE COMBINATION RANCH.

25 head horses and colts, above average, and one registered Percheron stallion. Write for particulars. 80 acres first-class alfalfa land in famous Artesian Valley at a great bargain. **WM. MILLER, Meade, Kansas.**

When writing advertisers please mention Kansas Farmer.

### ELLIS AND TREGO COUNTY LANDS

at the lowest prices on the best terms. Write for list, sent free.  
**O. F. SCHEPPMANN, Ellis, Kansas.**

### MONTGOMERY COUNTY BARGAIN.

320 acres, 4 miles town, 130 acres in cultivation, 100 meadow, balance pasture; well improved; close to school; price \$45 per a., terms. Other farms. Write for free list.  
**J. A. METCALF, Elk City, Kansas.**

### FREE

List of lands, ranging in price from \$10 to \$30 per acre, well located, near churches, schools and markets in Rawlins and Cheyenne counties, Kansas, and Hitchcock Co., Nebraska. Send your name today.  
**S. C. ALLEN, Herndon, Kansas.**

### MEADE COUNTY BARGAIN.

320 acres Meade Co., Kan., small house, good well and windmill, barn, all fenced, 175 acres in wheat, all of which goes to purchaser, 7 miles of Plains, Kan., close to school and church. Write for others.  
**CARLISLE & DETTINGER, Meade, Kan.**

### 485 ACRE FARM—DIRT CHEAP.

485 acres, 2 to 8 mi. from 5 towns, Linn Co., Kan. Rich soil, small grain, corn and tame grass farm. Improvements worth \$5,000; good repair. All fenced; part hog tight. A genuine bargain for \$27.50 per a. Large list and detailed description free.  
**T-O, M. LAND CO., Coffeyville, Kansas**

### HERE IS YOUR CHANCE.

For a beautiful half section of land, lays just enough rolling to drain nice 150 a. cultivation, 10 a. tame grass, balance fine pasture and meadow land, 3 acres bearing orchard, fine 8-room house and cistern, barn for 12 head, other outbuildings, school 1/2 mile, 4 to town, R. F. D. and phone. Price \$10 acre. Write for big farm list just out. FREE.  
**D. M. WATKINS, Moline, Elk Co., Kansas**

### \$1,000 TO \$1,200.

We have good level land with good soil and good water, on the line of the new railroad survey. This is a bargain for anybody. Price from \$1,000 to \$1,200 per quarter. We also have plenty of other good bargains in all kinds of property. If you can't come and see us, write  
**H. M. DAVIS REALTY CO., Greensburg, Kansas.**

### FINE IMPROVED 160, 5 miles out, \$5,700; terms. L. F. Thompson, Norwich, Kan.

**MARION, MORRIS AND DICKINSON** County, Kansas, lands. Bargains in improved farms at prices ranging from \$45 to \$80 per acre. Write for big list.  
**T. C. COOK, Lost Springs, Kansas.**

### NESS COUNTY, KANSAS, LAND.

Wheat, alfalfa and pasture land at prices that can't be discounted. 30 years' residence in the county. I know the people, country, soil, climate, water. If you mean business, write me what you want, or come and see it, for I have got it.  
**J. G. COLLINS, Ness City, Kansas.**

### ASK WHY LAND IN SHERMAN COUNTY, KANSAS,

will make the investor or the farmer money purchased at present prices. Many inducements here that are not to be found elsewhere.  
**T. V. LOWE REALTY COMPANY, Goodland, Kansas.**

### LIVE AGENT WANTED

in your locality to assist in selling corn, wheat and alfalfa land. We own thousands of acres in Pawnee and adjoining counties. Write us for a proposition on our own ranches.  
**FRIZELL & ELY, Larned, Kansas.**

### SHARON COUNTY ALFALFA LANDS.

Choice corn and alfalfa farms for sale in Barber county, Kansas. Crop failure unknown. Write for particulars and list. Address  
**WILLIAM PALMER, Medicine Lodge, Kansas.**

### NEMAH COUNTY, KAN., BARGAIN.

100 a. farm lying 7 miles S. W. Corning, 90 a. corn land, 8 a. prairie meadow, 2 a. fine orchard. Land not rough, stony, nor ditchy. Good 5-roomed house, barn and other outbuildings, extra good water, 1 mile to school. R. F. D. and phone line. Can be bought on March 1, settlement 1911 at \$60 per a. Good terms. Other propositions.  
**C. E. TINKLIN, Corning, Kan.**

### KANSAS FARMS FOR SALE.

210 a. near town, \$55 an a. 240 a. fine paying farm near town, \$40 an a. 160 a. finest in the county for the money, \$80 an a. Plenty of other fine bargains. Tell me what you want and I will get it for you.  
**HOWARD, "THE LAND MAN," 221 East Douglas, Wichita, Kansas.**

### SOMETHING GOOD.

200 acres, adjoining a small town in Sumner county, good 5-room house, new barn \$2,400, granary for 1500 bushels, this farm lies fine, deep rich soil, all tillable, except possibly 5 acres, 160 in cultivation, 40 in pasture. If you are looking for SOMETHING GOOD, at a low price and easy terms do not let this get away from you. Price \$55 per acre; \$5,000 can be carried back on long time.  
**SHARP REALTY COMPANY, Turner Building, Wichita, Kansas.**

### JUST LISTED THIS GOOD ONE.

158 in fine shape for a home, new 8 r. house, 38 a. pasture comes right up to good barn, 6 acres timber, 58 sown to clover, good stand. This 58 averaged 44 in oats, corn looks well, 18 fine prairie, lots of good water on this place, it is well located, lays nice and is best of soil. If you want it come or wire.  
**DONAHUE & WALLINGFORD, Mound Valley, Kansas.**

### I HAVE SOLD

my half section near Colby and now offer a fine, smooth quarter three miles from Brewster, Kan., no improvements except 40 acres under cultivation, school house across road from it. This quarter is choice and is offered for the small sum of \$2,200 cash. Another smooth quarter, 14 miles from Brewster, 55 acres under plow, sod house, good well and new windmill, and a bargain at \$2,000 cash. These are bargains and must be sold soon. Address  
**IKE W. CRUMLY, Brewster, Kansas.**

**IMPROVED FARMS in S. W. Kansas and N. W. Oklahoma, \$10 to \$25 per acre. Write Moore & Falls, Liberal, Kansas.**

**FOR FREE INFORMATION** about Thomas and adjoining counties, write to or call on **Trompeter & Son, Colby, Kansas.**

### TREGO COUNTY LAND

where prices are advancing rapidly. At low prices, on liberal terms. Near markets, churches and schools. Write for prices and descriptions.  
**J. I. W. CLOUD, Wakeeney, Kansas.**

### LANE COUNTY, KANSAS,

offers bargains in wheat and alfalfa ranches at \$10 to \$20 per acre. Write for my price list and investigate at once.  
**WARREN V. YOUNG, Dighton, Kansas.**

### FOR HOMESEKER OR INVESTOR.

Kiowa and Cavalry Creek Valley, Comanche County, Kansas. Alfalfa land \$20 to \$35, rapidly advancing. Great opportunities for homeseeker or investor. Write for our large list of bargains, mailed free and postpaid.  
**PIONEER REALTY CO., Protection, Kan.**

### COWLEY COUNTY BARGAIN.

284 acres, 3 1/2 miles of Arkansas City, 160 acres in Arkansas river bottom land, 40 acres in alfalfa, 120 for corn, 9-room house, bank barn \$2,400, small orchard and windmill. Price \$57.50 per acre. Write  
**R. A. GILMAR, Arkansas City, Kansas.**

### 1,280 ACRE IMPROVED RANCH.

7-room frame house, good barn granaries and sheds, scale house, dipping vat, fenced, plenty water, 350 acres in cultivation, 14 miles from county seat, 2 miles to new town, on new railroad. A big bargain at \$25 per acre.  
**KIRBERG & MILLER, Ness City, Kansas.**

200 ACRES, 10 miles from Delphos, 40 a. pasture, 160 in cultivation, 175 can be cultivated, creek, plenty of fruit for family use. Good house, barn and outbuildings. One of the best corn and alfalfa farms; can be bought for \$75 per acre; 1/2 cash, bal. 6 per cent.  
**Box 114, Minneapolis, Kansas.**

180 ACRES, 1/2 mile from "Baker University" townsite; good rich black limestone soil; 9-room house, two barns, hog sheds, large hay barn; splendid corn and timothy land. Well worth the money. Price \$75 per acre.  
**Wm. M. Holliday, Baldwin, Kansas.**

### THE BEST TOWN TO LIVE IN.

If you would like to live in the most beautiful city in the West, with unsurpassed education, business and religious advantages, in a city clean, progressive, where real estate values are low, but steadily advancing, where living expenses are reasonable, a city with natural gas at lowest prices, address the  
**SECRETARY OF THE COMMERCIAL CLUB Topeka, Kansas.**

### OWNER'S HARD LUCK, YOUR OPPORTUNITY.

160 a. of fine, dark prairie land; fenced and cross fenced; 4 room, stry and half house, 4 yrs. old; cheap barn and chicken house; 2 fine wells of water, fine maple grove; every foot level and no rocks; fine reservoir; half mile of school and church; 3 1/2 ml. of 3 good towns; good roads; R. F. D. Tel., natural gas. Owner is absolutely forced to sell. Perfect title. Ill health. \$40 per a. Terms.  
**B. H. DUNBAR, Tyro, Kansas.**

### A FINE RANCH ON EASY TERMS.

A fine level ranch of 1,280 acres located in Sherman County, Kansas, 4 miles south of Ruleton, the first station west of Goodland, on the main line of the Rock Island railroad. All tillable, with pantry, closets, 28x42 feet, five rooms, new frame dwelling, small hall and cellar, frame barn 48x32 feet, frame granary 20x40 feet, frame stable 30x32 feet, frame cattle shed with straw roof 64x22 feet, good well, windmill, two large tanks, with abundant supply of the finest water on earth; cannot pump the well dry. Milk house, hog house, feed rack and corrals. About half cash, balance 5 years at 6 per cent. Will be sold soon. Can give possession any time. Come at once and see it and procure a bargain. Call on or address  
**G. W. SAPP, Goodland, Kansas.**

### 1600 A. IMPROVED LAND.

Four mi. from Meade, nearly all smooth, wheat, corn, and all kinds of grain land. Owner has raised 60 bu. oats, 50 bu. barley, 30 bu. wheat, 25 bu. Kafir corn and 55 bu. corn per a. on said land. Alfalfa can be raised successfully by proper cultivation, 1 mi. to R. R. station and elevator. At present the land is operated as one farm, but could be conveniently cut up into three or four farms. Titles are all good, no incumbrances, good terms can be given if desired. There is about \$6,000 worth of stock; all will go with the place if sold soon at \$25 per a.  
 320 a., 4 mi. from county seat, 280 a. perfect and smooth, balance good pasture land. Price \$18 per a.  
 160 a., 3 miles from Meade, 5 flowing wells, 65 a. in alfalfa, some timber, fair improvements. In the heart of the Artesian valley. Price \$65 per a.  
**HUIBURT & BLACK, Meade, Kansas.**

### FARM BARGAINS.

Nice 240 acre farm located 3 mi. from town, good improvements, plenty of good water, price \$55 per acre, owner offers to trade up to half value for western land and will take a loan on the farm or cash for the difference. What have you to offer?  
**MANSFIELD LAND CO., Ottawa, Kan.**

## WALNUT GROVE FARM

240 acres, 4 miles from Galesburg, 8 miles from Parsons, Kan., large 2-story 7 room house, large barn, and all necessary outbuildings, 3 wells, cistern, windmill, well fenced and cross fenced. All improvements in first class repair. 180 acres under plow, 30 acres meadow, 30 a. pasture. Fine, black limestone soil, lays fine; all kinds of fruit. Price \$75 per a. If sold soon. Address or call on  
**A. P. ROSA, Galesburg, Kansas.**

## THE HOXIE REALTY CO.

Farms, ranches and city property. Some of the best wheat, corn, alfalfa and hay land in the West. Also good business propositions in Hoxie. For further particulars write us.  
**HOXIE REALTY CO., Hoxie, Kansas.**

### Jersey Bull for Sale.

Vic's Stockwell \$1762, sired by the \$2,100 Beatrice Stockwell, he by the \$11,500 Stockwell. The dam of Vic's Stockwell is Silverine's Vic by the \$1,500 world's fair prize winner, Silverine Lad. Dropped Feb. 28, splendid form, and of excellent conformation. Tuberculin tested. Write for extended pedigree and price. Johnson & Nordstrom, or Jesse Johnson, Clay Center, Kan.

### LOOK OVER THIS LIST!

Farms to sell near Fredonia, Wilson Co., Kansas. Good country, good climate, abundant gas.

226 acres fine, level, river bottom land, 15 or 20 acres, very seldom overflows, balance never does; new, 2-story, 7-room house, new barn and sheds, plenty good water. Raises corn, wheat, alfalfa, etc. Seven miles to Fredonia, \$50 per acre. \$5000 cash, balance an easy term.

240 acres pasture, farm and mow land; good stock farm, good buildings. \$30 per acre.

160 acres "Black Valley" land, fine black soil as shown by growing crops. One mile to good town. Bargain at \$50 per acre.

240 acres 3 miles from Fredonia; all farm land, \$36 per acre.

Several 80-acre farms near Fredonia, and three small tracts joining the city, all at bargain.

120 acres pasture and meadow land, three miles from Fredonia, \$30 per acre.

For particulars write  
**J. L. KENNARD & SON, Fredonia, Kan.**

## SHERIDAN COUNTY

LANDS MY SPECIALTY. WRITE M. D. GALOGLY, REAL ESTATE BROKER, HOXIE, KANSAS.

## GOVE COUNTY LANDS

\$5 an acre and up. If you want a good home, and an investment that will double soon, write me.

**THOMAS P. McQUEEN, Treasurer of Gove Co., Kansas.**

## Rooks and Graham Co. Land

In any size tract, at \$17 to \$40 an acre, depending upon improvements and distance from town. Write for new list, mailed free and postpaid.  
**E. G. INLOW, Falco, Kansas.**

## SOUTHEASTERN KANSAS FARMS

In any size tracts, on liberal terms. How is this: 80 acres good land, well located, small improvements, \$2,500. Send for free list.  
**THE BOWMAN REALTY CO., Coffeyville, Kansas.**

## A BARGAIN

160 ACRES, all tillable, 1/2 mile from Meade, Kansas. House 4 rooms, barn, two wells, one flowing; 110 a. in cult., 15 acres in alfalfa, balance pasture. Price \$5,000; \$2,000 cash, bal. 2 yrs. at 6 per cent.  
**L. F. SCHUMACHER, Owner, Meade, Kansas.**

## Homeseekers

Send for a copy of the Southwestern Kansas Homeseeker, the best land journal published. It's free to those wanting homes liked. It's free to those wanting homes liked. It's free to those wanting homes liked. We make a specialty of lands on small payments and easy terms. Address  
**THE ALLEN COUNTY INVESTMENT CO., Longton, Kansas.**

## Corn, Wheat, Alfalfa

lands in Trego County, Kansas, where prices are advancing rapidly. Best opportunities in Kansas for homeseeker and investor. Write for our list, mailed free and postpaid. Live agents wanted.  
**D. W. KELLER LAND COMPANY, Wakeeney, Kansas.**

## A GOOD RANCH

In Chautauqua Co., Kan., 2040 acres, good improvements, good grass, plenty of living water, only two miles from railroad station. Will sell at a bargain or take some trade.  
**LONG BROTHERS, Fredonia, Kansas.**

## MEADE COUNTY FARMS

400 farms, 160 to 640 acres, improved and unimproved at \$12.50 to \$25 per a., easy terms. 320 a., 7 mi. Meade, in German settlement, 300 a., fine tillable land, 160 a. cult., price \$6,400. Experienced salesman wanted. **CHAS. N. PAYNE, Hutchinson and Meade, Kan.**

## LAND SNAP

80 ACRES, Anderson County, Kansas, 6 miles from Greeley, 7 miles from Garnett, 60 a. in cult., balance meadow and pasture, 160 acres joining Harris, Kan., all tillable, 100 acres in cult., balance meadow and pasture. Price \$55 per acre, well improved.  
**SPOHN BROTHERS, Garnett, Kansas.**

## FOR SALE

Sheridan county lands in any size tracts on most liberal terms. Write for prices, descriptions and illustrated literature mailed free and postpaid.  
**IRA K. FOTHERGILL, Real Estate and Inv., Goodland, Kansas.**

## NEBRASKA LAND

## LANDS AND RANCHES FOR SALE

120 acres, one mile from town, all bottom land, no overflow, alfalfa land. Good improvements. Send for photo.  
**M. W. M. SWAN, Hingler, Nebraska**

**ARKANSAS LAND**

**BENTON COUNTY, ARKANSAS, 30 years experience.** Write us about fruit farms. **C. R. Craig & Co., Bentonville, Arkansas.**

**WRITE FOR FREE LIST** of farms in famous fruit belt of N. W. Arkansas. Bargains in improved fruit, stock and grain farms. Write **Trimble - Phillips - Smith, Springdale, Arkansas.**

**ALFALFA FARM, \$15 PER ACRE.** 567 acres, 200 in cultivation 367 fine timber, rich bottom land, good for alfalfa. **R. F. D., telephone, free stone water, good house and barn. Price \$15 per acre. Many other fine bargains. Write**

**JAMES T. HENDERSON, Newport, Ark.**

**I HAVE FOR SALE** 17,000 a. of cut-over land in south Arkansas, fronting on the Ouichata river, which is good agricultural land for fruit and truck, cotton and corn, such crops as are grown in this state; price \$6.50 per a. For further information write to **N. H. Beam, Beebe, Ark.**

**IMPROVED FARM BARGAIN**—118 a. one mile of Fayetteville, County seat, population, 8,000. New 7-room house, good barn, 80 acres cultivation, good water. Price \$55 per acre. Easy terms. Write the owner, **J. C. MITCHELL, Fayetteville, Arkansas.**

**BIG BARGAIN** at Eureka Springs, Ark. Fruit and poultry farm, 26 acres, well improved, good modern 6-room house, water and outbuildings. Going at half value. Write **J. E. Crozier, D. D. S., Leslie, Searcy Co., Arkansas.**

**N. W. ARKANSAS BARGAIN.** 98 acres, 2 1/2 miles of R. R. station, 4 roomed house and barn, fine spring in yard, 80 acres bottom land in cult., 38 acres good timber, 1/2 mile to school. Price \$2,500. Write

**AUSTIN & DRENNEN, Gravette, Ark.**

**FINE FRUIT AND STOCK FARM.** 87 acres 3 miles from Rogers the Queen city of N. W. Arkansas, 20 a. all kinds of fruit, 7 a. timber, balance cult., good 3-room house, barn, fine well, near good school. Price \$50 per acre. Write **H. J. MILLER REALTY CO., Rogers, Arkansas.**

**MISCELLANEOUS FOR SALE and EXCHANGE**

**BUY OR TRADE** with us. Send for list. **BERNIE-MEREDITH, Eldorado, Kansas.**

**TO EXCHANGE FOR KANSAS FARM.** Suburban grocery stock, will invoice about \$2,000. Will assume some farm. Residence properties in Kansas City and 20 farms, Kansas and Missouri, ranging from 80 to 400 acres each to exchange. **J. E. REED REALTY CO., 628 N. Y. Life, Kansas City, Missouri.**

**TO EXCHANGE**—17-room hotel in southern Iowa to trade for cheap land or stock of goods. Several farms and city property to trade for stocks of goods. I can match any kind of trade. **Henry G. Parsons, Lawrence, Kansas.**

**FOR SALE AND EXCHANGE.** Kansas and Missouri farms for city property, stocks merchandise, and other farms. Describe what you have, will make you a good trade. List your farms for exchange with us. **E. B. Woodward Real Estate & Investment Company, 264 N. Y. Life Bldg., Kansas City, Missouri.**

**FOR SALE OR EXCHANGE.** Alfalfa land in shallow water district of Oklahoma in 40 to 640 acre tracts, \$20 to \$65 per acre. For particulars write **G. B. RHODES R. E. & INV. CO., 4400 Holst Bldg., Kansas City, Missouri.**

**FOR SALE OR EXCHANGE.** 240 a. less the right-of-way of the R. R., 1/2 ml. Kincaid, Anderson Co., Kan., town of 500 pop. and 2 R. R., 160 a. fine valley land; 80 a. rolling upland pasture; good new 7-room house; large frame barn; outbuildings; orchard. Price \$50 per a. A snap. **SEWELL LAND CO., Garnett, Kansas.**

**FOR SALE, OR EXCHANGE.** Northwestern Kansas corn, clover and blue grass farms, stocks of merchandise, etc., for other good propositions. Lands are steadily advancing in price; now is the time to invest. Write or see us. **C. W. HINNEB REALTY CO., Holton, Kansas.**

**FOR SALE OR EXCHANGE.** Small stock of new and second hand furniture, located in a good county seat town, R. R. division point, good business at a bargain, or would take a good quarter of western Kansas land in exchange. Also 1,400 a. ranch about 400 acres cult., 100 a. old alfalfa, 50 acres new, and 100 acres more will be seeded this year, if not sold; houses, barn, windmill, etc. Land not cult; will afford pasture for 250 head of stock; only 4 miles from good shipping point in north central Kansas. Price \$25 per acre; terms to suit. Will take part trade. **LEWIS & ELDRED, Phillipsburg, Kansas.**

**TREGO COUNTY**

Lands for sale or exchange; prices \$15 to \$40 per acre; also city property and stocks of merchandise. If you have a good trade to offer, no matter where it is located or what it is, write us. **ED. PORTER LAND AGENCY, Wakeeney, Kansas.**

**TEXAS LAND**

**GOOD RANCH.** 3,368 acre ranch improved, \$5 an acre. Robertson Co., 7 miles county seat. Adjoining land couldn't be had for twice our price. Would sell part or all. All fine grass and much first class farm land. Detailed description and plat free. **C. A. BABCOCK, Harper, Kan.**

**Dalhart, Texas** is where we are located and we have some land bargains for the buyer. Write for our free, handsomely illustrated book or come to Dalhart and let us show you a country without a fault. **J. N. JOHNSON LAND COMPANY, Dalhart, Texas.**

**Colorado Land**

**NEW LAND OPENING. NEAR PUEBLO, COLORADO.**

Two miles from station on two trunk lines of railroad. Finest quality of alfalfa, fruit and vegetable land, ready for the plow with ample and perpetual water supply all ready to use. No failure here—water your own crops when they need it and get big results. Close to large markets with high prices. No healthier climate in the world. Good altitude, pure spring water. This is the lowest price, first class irrigated land in Colorado, and the first allotment will be sold out with perpetual water right at less than one-half the price of adjoining irrigated lands. Get in now at first cost and double your money. Excursion every Tuesday. Come with us and look this great bargain over before prices advance. Low round trip rates. Write for free booklet. Do it today.

**THE HEATH COMPANY, TOPEKA, KANSAS.**

**WRITE OR CALL UPON US**

for information about Eastern Colorado. We have 100,000 acres in the shallow water belt that will make \$100 alfalfa land, can be bought now for \$5 to \$15 per acre.

**Kit Carson Company**

**Kit Carson, Colorado**

**LIVE AGENTS** wanted to sell Washington county land; big crops are being raised every year. Write for offer. **The Clarye Land Co., Akron, Colorado.**

**LIST OF LANDS** for sale at \$5 per acre, and up, free. 320 acre homesteads located. Relinquishments for sale. **R. A. Shook, Akron, Colorado.**

**DO YOU WANT TO SELL YOUR FARM?** Write us, we will give you good information. **Hoffman's Compiled List Report, 328 Sedgwick Block, Wichita, Kansas.**

**\$7 TO \$15 PER ACRE** on liberal terms. Homestead relinquishments \$100 to \$800 each. Where rainfall is plentiful and prices are rapidly advancing. Write for full information stating what you want. **Maher & Hanks, Deer Trail, Colorado.**

**HOMESTEAD RELINQUISHMENTS** and cheap deeded lands, Kiowa county, is still cheap, but is bound to develop several times in the next few years. Write for further information. **LINN & CHERMAK, Haswell, Colorado.**

**LANDS** that raise big crops of all staples, near towns, churches, schools and neighbors, \$10 to \$25. Will locate you on a 320 acre homestead relinquishment. Act quickly. Write for full information. **Empire Land & Cattle Co., Akron, Colorado.**

**SAN LUIS VALLEY.** Irrigated lands with perpetual water rights in tracts to suit on easy terms. Prices still far below real value. Produce alfalfa, peas, potatoes, wheat, oats and fat stock. **THE TRANS-MISSISSIPPI INV. CO., Inc., La Jara, Colorado.**

**YUMA COUNTY, COLORADO** lands that raise big crops of all staples, \$10 to \$15 per acre. Great opportunities for homeseeker and investor. I own a few quarters which I will sell cheap. **A. L. KISSINGER, U. S. Commissioner, Yuma, Colorado.**

**KIOWA COUNTY, COLORADO** corn, wheat and alfalfa lands \$8 to \$15. Homestead relinquishments \$250 up. Folder and copy of the Homestead laws sent free. A few 160 acre homestead tracts under prospective irrigation yet. **THE WESTERN REALTY CO., Eads, Colorado.**

**FAMOUS Grand River Valley lands** pay big interest on capital invested. Prices advancing rapidly; now is the time to buy. Write for large, 60-page, descriptive pamphlet, mailed free upon request. **FOR REALTY COMPANY, Fruits, Colorado.**

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**LAND! LAND!** In the famous San Luis Valley. Land from \$40 to \$125. Crops abundant. Unexcelled water rights. We live here, are old ranchers here, and own land here. Write for handsome illustrated booklet, mailed free. **DWIGHT G. GOVE, Monte Vista, Colo.**

**COLORADO FRUIT LANDS** that pay big interest on the capital invested. Reasonable prices and terms. Write for full information, stating what you want.

**PAUL WILSON, Hotchkiss, Colorado.**

**BEST BIG COLORADO OPPORTUNITY.** Former 4400 ranch now in alfalfa, beets, cantaloupes. Water ample. On Santa Fe and Missouri Pacific near Pueblo. Four stations on land. At half real value. **BRANDON LAND & LOAN CO., Brandon, Colorado.**

**WASHINGTON COUNTY, COLORADO.** Corn and wheat lands \$7 to \$30 per acre. Prices advancing rapidly—now is the time to buy. 320 acre homesteads and cheap relinquishments. Write for free list. **THE AKRON LAND CO., Inc., Akron, Colorado.**

**640 ACRES** fenced and cross-fenced, 12 miles of Denver, three miles of Parker, Colo., well grassed, has living water sufficient to water 200 head of stock every day in the year, \$12 per acre, half cash, balance in one and two years at 6 per cent. Several other bargains just on. Write **A. J. SIMONS, 214 Cooper Bldg., Denver, Colorado.**

**I. L. DARBY THE PIONEER LAND MAN** Government and Deeded Lands and Town Property, 320 acre Homestead. Snaps in relinquishments. Write for new illustrated folder, mailed free. **GROVER, COLORADO.**

**FREE** Illustrated descriptive pamphlet and booklets telling all about eastern Colorado; choice land at \$10 to \$20 per acre. **KENNEDY LAND CO., Limon, Colorado.**

**SEND FOR A COPY** of our free book, telling about good homes and money making investments. **Illinois Realty Co., Monte Vista, Colorado.**

**MONTEZUMA VALLEY LANDS.** A Snap, 280 a., 220 irrigable, 100 a. in cult., all fenced; 15 a. in hay, 10 a. in orchard, one 7-room stone and one 4-room frame house, stone barn 20x70, stone wagon shed, tool and chicken house, 10 ml. from Cortez, 74 in irrigation district, balance covered with free water right. Price \$18,000; \$8,000 cash. Easy terms on bal., 8 per cent. **CLOSSON & HUFF, Cortez, Colorado.**

**EASTERN COLORADO**—The home of wheat, barley, millet, cane, broom corn, speltz and all staples. Lands are now very cheap, from \$9 to \$11 per acre for raw land and to about \$20 an acre for improved farms, but are rapidly advancing in price. Write for free printed matter, stating what you want. **MCCracken Land Company, Burlington, Colorado.**

**KIT CARSON COUNTY, COLORADO.**

Corn, wheat and alfalfa lands, at \$10 to \$25 per acre, according to location and improvements. Prices are rapidly advancing, and the time to buy is now. Write for our free illustrated booklet, stating what you want. A live agent wanted in your locality. **A. W. WINEGAR, Burlington, Colorado.**

**GOOD LAND, Kit Carson County, Colorado, \$8.50 to \$25.** Why stay east and pay big rent when you can come to Kit Carson county and buy a home for the rent you pay for the eastern farm one year? Land produces wheat, barley, oats, corn, cane, alfalfa, etc. Write for colored map of Colorado, sent free. **G. W. DINGMAN, Stratton, Colorado.**

**BEST BARGAIN IN THE WEST.** Fruit and stock farm, well improved, in center of Montezuma Valley, close to county seat, land will be worth several times its present value for orchard purposes, pays 25 per cent annually on a valuation of \$26,000. **VINCENT & WOODS, Cortez, Colorado.**

**IMPORTANT MESSAGE TO CATTLEMEN.**

250 head Hereford and Shorthorn cattle, cows, 2-year-olds, yearlings and calves with 160 acres deeded land. Improved and lease on three sections. Plenty water, about 3 miles of fence. Plenty good range. Located about 15 miles railroad town. Can be bought at very low price if taken at once. **I. H. SHELTON, Ordway, Colorado.**

**BARGAINS IN IRRIGATED LANDS** in the famous San Luis Valley. Good water rights go with the lands. \$20 a., 4 ml. from Alamosa. Good improvements, grain, alfalfa and hay. Two good artesian wells. Fine farm. Price \$50 per acre, \$20 a. improved. Close to school. Fine soil, grows grain, alfalfa and potatoes. Great bargain at \$55 per a. 160 a. improved. Hay, grain and pasture, near school, \$80 per a. \$20 a. partly improved, all fenced, rich soil. Splendid snap at \$25 per a. For further description write **BUTLER & HINES, Alamosa, Colorado.**

**320 Acre Homesteads** There are only a few left so you must act quickly. Also cheap deeded lands, including both stock ranches and farm lands and homestead relinquishments for \$150 and upwards. Write for descriptive circular, mailed free upon request. **G. W. FRANK, Arlington, Colorado.**

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**JUST A WORD TO THE BREEDERS AND FARMERS.** G. M. Hull, Garnett, Kan., will hold his sale Oct. 26, 1910, of one hundred head of the big type Poland Chinas, sired by five of the best boars in the United States. You can get just what you are looking for from this lot. Write for a catalog early so your name will be on our books.

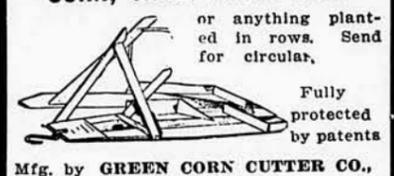
**BOARS.** Hadley Boy 48009 by Hull's Hadley 35344, Wm. Garett 53037 by Mastodon Chief 33040, Big Hadley 40822 by Hadley Jr. 28388, Blain's Wonder 38717 by Johnson Chief 35774, King Blain 48506 by Blain's Wonder 38717.

**SOWS AND THEIR SIRS.** Sunshine (125548) by Bell Boy 46148, Midnight (111263) by Champion Chief 32207, Dud's Datsy (111263) by Tip Top Dudy 31681, Long Jane Lady (116927) by Chief Goldust 39244; Standard Lady 46144, (111262) by Standard Tecumseh 45144, Royal Beauty (128533) by Chief Goldust 39244, D's Made Right (120156) by Long John 39140, Big Beauty 24 (129718) by Designer 44640, Kansas Queen 4th (322990) by Neb. King 12227, Black Lady (127912) by O. K. King 12277, Iola Garnett (127918) by Columbia Chief 2d 42528, Miss Garnett (127908) by O. K. Price 42071, Queen Likeness (32100) by Expansion John 49445, Early Alice (127910) by O. K. Price 42071, Kava Queen 2d (325858) by Neb. King 122227.

Mail bids may be sent to either auctioneer and they will be treated high class. Col. C. E. Bean is on the ground and can give you any information you wish by writing him. Auctioneers—Col. C. E. Bean, Garnett, Kan.; Col. Jas. W. Sparks, Marshall, Mo.; Col. H. Hohenstein, Chelsea, Okla.

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**CORN, OATS, WHEAT** and alfalfa and all staple crops grow to perfection here in the garden of Oklahoma. Prices reasonable. Write for list and descriptive literature.

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## THE STRAY LIST

Scott County, S. W. Filley, County Clerk. **TAKEN UP**—One Yearling colt, chestnut sorrel, white stripe in face, right hind foot white, dark mane and light tail, was taken up on June 28 by Wm. Mallory, 4 miles northeast of Scott City.

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Imported and American bred Jerseys. Stock of either sex or age for sale at all times. I also handle high class grade Jerseys on commission. I have for sale 12 head of pure bred Jersey heifers, not registered, fawn color, at a bargain. Must be sold at once. Write for what you want in dairy stock. Can fill most any order at reasonable prices. **PHIL HANNUM, Jr.,** Carthage, Missouri.

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offers a few choice cows in milk and some bred heifers. Milk and butter records accurately kept.

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I have ready for service a few grandsons of Merry Maiden's Third Son, Financial Count, Eurbyla's Son and Fontains' Eminent. Prices and extended pedigrees upon application. These bulls will make excellent dairy sires and are fit to head any herd registered in A. J. C. C.

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**BELVEDERE X2712-195058.**

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**CHOICE RED POLLED CATTLE.** Herd the oldest in Marshall county. The best in breeding and individuality. Stock for sale at all times.

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**RED POLLED CATTLE.** A few choice young bulls for sale, also a few cows and heifers. **C. E. FOSTER,** Eldorado, Kansas.

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**5000** March lambs ready to deliver in September. Average 65 pounds. Clear, healthy stuff. Priced right. Address: **BOX 781, PHOENIX, ARIZONA.**

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500 pure bred Ramboulett sheep, consisting of 250 3-year-old ewes, 215 yearling and 2-year-old ewes and 35 rams, also 225 lambs. These sheep are extra choice and will be sold in a bunch or in lots to suit purchaser.

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from 10 to 14 months' old. One roan, 9 reds, sired by show bulls and out of show cows. Must be sold to make room. Priced at \$75 to \$125. These are all good. I make steers cut of poor ones. Come at once. They will suit you.

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55 head in herd, a few choice cows and heifers for sale. Pure Scotch breeding. Priced reasonable to reduce herd.

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A few choice heifers for sale, nicely bred and good individuals, priced reasonable. Write or come and see my herd.

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Have on hand a few young red bulls ready for service that are out of splendid milking dams and have good beef form. No better breeding could be wished. Can spare a few females. Prices moderate.

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Five extra good Scotch and Scotch topped bulls, 10 months' old. Roans and reds, sired by Victor Archer and Forest Knight by Gallant Knight. Priced right.

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POLAND CHINAS

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LARGEST HERD OF THIS BREED IN IOWA.
Barns Sanitary—Herd Tuberculin Tested Twice Yearly.
At the head of herd King Segis Hemerveld Vale who is son of the famous King Segis (sire of 3-record-breaking daughters)...

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offers bargains in a carload of cows and heifers and a few bulls 8 to 16 months old. All tuberculin tested.
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Best of breeding and top quality. Some early spring boars—good, strong, growthy fellows, will be priced right; by such boars as Agra Top Notcher, Paul Jumbo, Bonney K, and I Am A Bonney K.; also gilts of equal breeding quality and size, priced right. Address
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150 Spring Pigs, sired by King of Kansas, Beat No. 11111, and Golden Ruler No. 80555. Write your wants. Fall sale Oct. 29. Bred Sow Sale, Feb. 3, 1911.
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Duroc sows and gilts sired by Bell's Chief 4th and bred to richly bred boars. Will sell and ship when safe.
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Ohio Chief and Col. Blood. Litters by Uncle Chief, Model Prince, King of Models, Inventor, The King I Am, Advance; several by Col. Carter, my leading herd boar. They are all grown right, are good, and we answer all letters of inquiry.
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Among them my show sow Ellere 70424 safe in pig to Tom Davis for fall litter, also fine lot of spring pigs. Write your wants.
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Herd headed by Climax Wonder, he by Missouri Wonder. 100 head to select from. Prices reasonable. The electric car runs within three blocks of my farm. Come and see my herd at any time.
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Large Spring yearlings bred for summer litters. They are large with lots of quality. The best of breeding, priced reasonable. Write today they are bargains.
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30 fall gilts by G. C's Kansas Col. and 15 yearling and matured sows, all by noted boars. Will sell and hold until safe for fall litter. Also 10 fall boars, tops of our fall crop.
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Skadden's Wonder 74645, the best living son of Nebraska Wonder. An excellent breeder and individual. Out of litter of 13. Just in his prime. Will price to sell.
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30 BRED POLAND CHINA GILTS, for sale. Spring and summer farrow, bred for April and May litters. Choicest blood line, also 5 mature sows and bears ready for service, one by Meddler. Reasonable prices.
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Herd headed by Big Hadley, Long John 2nd and John Ex. Young stock for sale at all times. A few choice Hadley boars.
CHARLES Z. BAKER, Butler, Missouri

HARTER'S BIG KIND POLAND CHINAS

Headed by Mogul's Monarch 48858 and Capt. Hutch 39088. Over 100 choice pigs to select from. Visitors made welcome. Also Barred Rocks.
J. H. HARTER, Westmoreland, Kansas.

POLAND CHINAS WITH SIZE

Headed by Pawnee Look. I have bred pure bred Poland for 20 years and have learned many valuable lessons, and in the future shall breed nothing but the big smooth kind. More hog and less hot air.
F. F. OERLY, Oregon, Missouri.

WALTER'S BIG SMOOTH POLAND CHINAS

Expansive, one of the best living sons of Expansion, heads herd. A few choice fall gilts bred to Expansive for fall litters for sale.
H. B. WALTER, Effingham, Kansas.

CORRECT TYPE POLAND CHINAS

Headed by Wise's Hadley by Big Hadley, Sows by What's Ex., Kansas Chief, Nem's L's Dude, etc. 75 choice pigs to pick from.
BERT G. WISE, Reserve, Kansas.

20-BIG STRONG BOARS-20

The tops of 50 head, ready for service. Want to make room for spring pigs and am making low prices. Strictly big type.
HERMAN GRONNINGER & SONS, Bendona, Kansas.

SUNSHINE HERD

Poland Chinas, bred gilts and yearling boars. Prices reasonable, quality considered. Satisfaction guaranteed.
A. L. ALBRIGHT, Pomona, Kansas.

EUREKA herd of pure bred Poland Chinas and Duroc Jerseys, 115 head to select from, with quality, size and good litters. Order early and get the best. Ready to ship after Aug. 1st, at farmers' prices. W. H. Sales, Simpson, Kansas.

DEER PARK STOCK FARM

Richly bred Poland Chinas headed by the great Impudence E. L. and Noble Chief by Nobleman. Choice lot of spring pigs for sale by Impudence E. L. and Dawley's E. P. Perfection.
D. A. WOLFERSPERGER, Council Grove, Kansas.

CHOICE POLAND CHINA PIGS

Sired by Voter 133533. Perfect Mischief 48911, Senator and Voter's Pride. Sows of equal breeding and richly bred. Pigs ready to ship. Attraction's Voters boars out of Meddler dam.
W. C. MILLIGAN, Clay Center, Kansas.

BIG TYPE POLAND CHINAS

Gold Standard by Chief Gold Dusted in service. Sows represent the most noted big type strains. Choice lot of spring pigs.
WALTER HILDWEIN, Fairview, Kansas

FOR SALE

I STILL HAVE a few good fall boars for sale at very reasonable prices; will also offer my 2-year-old herd boar, O. K. Chief. He is a good individual of the 800-lb. type, heavy bone, a good even breeder.
R. J. LECKHAM, Pawnee City, Nebraska.

BIG-BONED POLAND CHINAS

Spring boars for sale, sired by my herd boars: ORPHAN CHIEF by Orphan. JOHN LONG by Long John. The best lot I ever raised. Get your order in early and get your pick of my herd. ROY JOHNSTON, South Mound, Kan.

THE MORTONS

QUALITY AND SIZE POLAND CHINAS. Herd headed by Equipment 51580 by Impudence. For quick sale 30 summer and fall gilts sired by son of Meddler 2nd, bred for August farrow. Also 3 fall boars. All representations guaranteed.
THE MORTONS, Tampa, Kansas, Marion County.

BRED GILTS

Sired by First Choice, he by Grand Chief. Gilts bred to Little Bear, a grandson of On and On. Those offered for sale are the tops of a large bunch. The gilts and the price will please you. Write right now to Young & Kimmerring, Glasco, Kansas

HIGHVIEW BREEDING FARM

Devoted to the Raising of BIG BONED SPOTTED POLANDS. The Farmers' Kind. The Prolific Kind. I am now booking orders for spring pigs. To be shipped when weaned. Pairs or trios, no kin.
H. L. FAULKNER, Box R, Jamesport, Missouri.

MEISNER'S BIG POLAND CHINAS

Headed by Metal Choice. Sows are daughters of such sires as Nebraska Jumbo, Pawnee Chief, Big Hadley, etc. Fifty fine spring pigs to date and more sows to farrow. Inspection invited.
T. J. MEISNER, Sabetha, Kansas.

BROWN COUNTY POLAND CHINAS

Oldest herd in Kansas, headed by Major B. by Major Bob 50311. Sows by Big Hadley, Johnson's Chief, etc. 3 extra good fall boars for quick sale, reasonable prices.
ELI ZIMMERMAN, Hiawatha, Kansas.

ALBRIGHT'S POLAND CHINAS

The utility type, headed by N. E.'s Perfection by S. P.'s Perfection. Sows in herd carry the blood of noted sires and have been selected carefully. 40 choice pigs, both sexes, ready to ship.
A. L. ALBRIGHT, Waterville, Kansas.

10 SUMMER YEABLING POLAND CHINA GILTS

By On and On 2nd, bred for June and July farrow to Filbuster by Meddler 111111. \$30 for choice.
J. D. WILFONG, Zeandale Kansas.

SULLIVAN COUNTY HERD

Poland Chinas, 200 head in herd, best blood known to the breed. For sale 3 choice fall gilts, also 8 Ccille pups.
F. L. FULLER, Humphreys, Missouri.

2 YEARLING BOARS FOR SALE

Five Metal by Gold Metal and John C. Hadley by Hadley Boy, both good individuals and have made good as breeders. Will price reasonable.
JOHN C. HALDERMAN, Burchard, Nebraska.

PRINCE HADLEY heads our Poland China herd. His spring pigs are great. Others by Colossus, Mogul's Monarch, Expansion's Son, Sunflower King, Banner Boy and Meese's Mastiff. Write for description of pigs. W. C. Singer, Hiawatha, Kansas.

80 FEBRUARY POLAND CHINA PIGS 80

Large, smooth and good individually. Sired by my herd boars: Wilkes Again and Grand Success, out of as fine a lot of big type sows as there is in the west. Inspection invited.
J. B. WHIPPLE, Fall City, Nebraska.

When writing advertisers please mention Kansas Farmer.

POLAND CHINAS FOR SALE

10 January boars, \$15 each. 15 January gilts, \$15 each. 17 yearling gilts bred for August and September farrow, \$25 each. Good breeding and individuality.
F. D. YOUNG, Winchester, Kansas.

STRYKER BROS.' HERD POLAND CHINAS

The greatest show and breeding herd in the West. Write your wants and they will please you. Buy the best and make the most. They breed the kind that win; the kind you want. Address
STRYKER BROS., Fredonia, Kansas.

SHORTHORNS AND POLANDS

Herd sired by Acorn Duke 7th 281036. Poland headed by Big Bone Long. Females represent leading strain. Young stock for sale.
FRELAND & WILLIAMS, Valley Falls, Kansas.

BIG STRONG SEPTEMBER BOARS

Sired by Guy's Monarch, the boar with frame for 1,000 lbs., and a 10 1/2-inch bone. Out of dam by the noted boar First Quality. Low prices for quick sale; must make room for spring pigs.
H. C. GRANER, Lancaster, Kansas.

RIDGEVIEW STOCK FARM

big type Poland Chinas, headed by Union Leader, Major Hadley and Hadley Prince. Sows by Expansion, Grand Look, Big Hadley, Bell Metal, etc. Spring pigs by herd boars, and Colossus, W. K. Webb, Bendona, Kan.

GEO. SMITH'S BIG POLANDS

headed by Mammoth Hadley, the best son of Big Hadley. Sows, daughters of King Do Do, Johnson's Chief, Gold Metal, First Quality, Chief Gold Dusted, 5 litters by Grand Model by Grand Chief, 100 choice pigs doing well.
George W. Smith, Burchard, Nebraska.

BLUE GRASS VALLEY STOCK FARM

Big boned Poland Chinas, Herd headed by Big Hadley, King Ex. 8d, Lone John the 2d and Missouri Wonder. 4 of the best breeding boars of the breed; young stock for sale at all times; everything guaranteed as represented. W. A. Baker, Butler, Mo.

THE HAWTHORNE POLAND CHINAS

Ten Strike, grand champion at the Oklahoma state fair, 1908, heads the herd. Special prices on 20 strictly toppy boars, sired by Ten Strike and out of richly bred sows. These boars are of December and January farrow, good enough to head any herd. 50 choice gilts at very low prices. All pedigrees furnished when boxes are delivered.
T. M. CHAMBERS, Oswego, Kansas.

LAREDO HERD

Poland Chinas headed by Impudence Style 133237 and F. R.'s Meddler by Meddler for sale. 15 fall gilts bred for fall farrow and 9 other gilts.
G. W. McKAY, Laredo, Missouri.

ADVANCE STOCK FARM

Home of big smooth Poland Chinas headed by a great son of Big Hadley, his dam, Gold Dust Tecumseh, top of Blain's closing out sale, 60 choice pigs, all but one litter by this boar, out of extra big sows.
A. R. ENOS, Rumona, Kansas.

CLAY JUMBO 800 lbs.

The biggest yearling Poland China boar in Kansas heads our herd. Frame for 800 lbs., with plenty of quality. 100 pigs ready to ship. Reasonable prices. Herd established twenty years.
H. W. GRIFFITH, Clay Center, Kansas.

COLLEGE VIEW POLAND CHINAS

We offer for sale some extra good pigs of March and April farrow. Plenty of size with quality. Write for prices description and breeding.
W. A. JONES & SON, R. F. D. No. 9, Ottawa, Kansas.

BAKEWELL'S EXPANSION POLANDS

Headed by Expansion Over 53110. Boar with immense size and good quality. Sows are daughters of old Expansion, Pan Famo, Grand Look, etc. Herd established 25 years. Choice spring pigs for sale. See Expansion Over at Nebraska State Fair.
J. W. BAKEWELL, Endicott, Neb.

STUMP'S BIG POLAND CHINAS

200 head in herd. Kansas King by Granite and Capt. Hutch by Captain Hutch in service. Great lot of pigs to select from. Write for prices and descriptions.
W. R. STUMP, Blue Rapids, Kan.

FIELD NOTES

FIELD MEN
O. W. Devine, Topeka, Kan.
Jesse R. Johnson, Clay Center, Kan.
R. G. Sollenbarger, Woodston, Kan.

PURE BRED STOCK SALES

- Oct. 26—W. S. Cora, Whitehall, Ill.
Horses.
Percherons, Belgians, and Shires.
Nov. 1, 2, 3, 4 1910—Breeders' Sale Co., Bloomington, Ill.
Nov. 10—Sale at farm, J. C. Robison, To-wanda, Kan.
Jan. 10, 11, 12, 13, 1911—Breeders' Sale Co., Bloomington, Ill.
Feb. 28, and March 1, 2, 3, 1911—Breeders' Sale Co., Bloomington, Ill.
Hereford Cattle.
Nov. 10—T. I. Woodall, Fall River, Kan.
Nov. 15—O. Harris, Harris, Mo.
Holstein Cattle.
Feb. 7, 8, 1911—Rock Brook Farm, Sta. B, Omaha, Neb., 150 head will be offered.
Jersey Cattle.
Sept. 1—Golden Sunrise Farm, Kansas City, Mo.
Shorthorn Cattle.
Nov. 15—J. F. Joines, Clyde, Kan.
Feb. 8—T. J. Charles, Republic, Kan.
Feb. 22—Phillip Albrecht, Smith Center, Kan.
Berkshires.
Aug. 16, 1910—Chas. E. Sutton, Lawrence, Kan.
Durocs.
Oct. 19—G. Van Patten, Sutton, Neb.
Oct. 25—Leon Carter, Asherville, Kan.
Oct. 26—P. H. Pagett, Beloit, Kan.
Oct. 27—W. E. Monasmitth, Formosa, Kan.
Oct. 29—Rinehart & Slagle, Smith Center, Kan.
Oct. 31—White Bros., Buffalo, Kan.
Nov. 15—J. L. Williams, Bellaire, Kan.
Nov. 16—J. E. Joines, Clyde, Kan.
Nov. 19—Phillip Albrecht, Smith Center, Kan.
Jan. 20—A. T. Cross, Guide Rock, Neb.
Jan. 31—Ward Bros., Republic, Kan.
Feb. 1—W. E. Monasmitth, Formosa, Kan.
Feb. 2—Thompson Bros., Garrison, Kan.
Feb. 3—G. P. Phillippi, Esbon, Kan.
Feb. 3—Rinehart & Slagle, Smith Center, Kan.
Feb. 4—W. C. Whitney, Arra, Kan.
Feb. 6—J. L. Williams, Bellaire, Kan.

Feb. 8—O. A. Tiller, Pawnee City, Neb.  
 Feb. 12—T. E. Gothe, Leonardville, Kan.  
 Feb. 14—Chapin & Nordstrom, Green, Kan.  
 Sale at Clay Center, Kan.  
 Feb. 15—Leon Carter, Asherville, Kan.  
 Feb. 16—W. T. Fitch, Minneapolis, Kan.  
 Feb. 17—L. E. Bovic, Lindsey, Kan.  
 Feb. 22—Phillip Albrecht, Smith Center, Kan.

Poland Chinas.  
 Aug. 10—G. A. King, Cullison, Kan.  
 Sept. 20—J. D. Spangler, Sharon, Kan.  
 Oct. 5—Bert G. Wise, Falls City, Neb.  
 Oct. 12—W. B. Stafford, Bronson, Kan.  
 Oct. 13—Bert Wise, Reserve, Kansas.  
 Oct. 14—T. J. Dawe, Troy, Kan.  
 Oct. 15—J. B. Whipple, Fall City, Kan.  
 Oct. 15—H. C. Dawson's Sons, Endicott, Neb., sale at St. Marys, Kan.  
 Oct. 17—A. R. Enos, Romona Kan.  
 Oct. 18—Herman Groninger & Sons, Bendena, Kan.  
 Oct. 19—A. B. Garrison, Summerfield, Kan.  
 Oct. 20—Hubert J. Griffiths, Clay Center, Kan.  
 Oct. 21—J. M. Ross, Valley Falls, Kan., and W. E. Long, Osawatie, Kan., sale at Valley Falls, Kan.  
 Oct. 22—H. C. Graner, Lancaster, Kan.  
 Oct. 22—Ell Zimmerman, Hiawatha, Kan.  
 Oct. 25—W. C. Singer, Hiawatha, Kan.  
 Oct. 26—W. R. Webb, Bendena, Kan.  
 Oct. 26—G. M. Hull, Garnett, Kan.  
 Oct. 27—F. A. Tripp & Son, Meriden, Kan.  
 Oct. 27—Walter Hildwin, Fairview, Kan.  
 Oct. 28—J. H. Harter, Westmoreland, Kan.  
 Oct. 28—J. R. Berkey, Louisburg, Kan.  
 Nov. 1—J. H. Hamilton & Son, Guide Rock, Neb.  
 Nov. 1—H. B. Walter, Effingham, Kan.  
 Nov. 1—H. F. Pelphrey, Humboldt, Kan.  
 Nov. 2—J. W. Pelphrey, Chanute, Kan.  
 Nov. 2—Albert Smith & Sons, Superior, Neb.  
 Nov. 2—H. W. Griffith, Clay Center, Kan.  
 Nov. 2—R. J. Peckham, Pawnee City, Neb.  
 Nov. 2—The Mortons, Tampa, Kan.  
 Nov. 2—George W. Smith, Burchard, Neb.  
 Nov. 2—D. W. Evans, Fairview, Kan.  
 Nov. 4—W. A. and C. Z. Baker, Butler, Mo.  
 Nov. 4—Bert C. Wise, Reserve, Kan.  
 Nov. 4—G. W. McKay, Laredo, Mo.  
 Nov. 4—Fuller China, Humphreys, Mo.  
 Nov. 8—Poland China, W. B. VanHorn, Overbrook, Kan.  
 Nov. 9—J. Melner, Sabetha, Kan.  
 Nov. 10—W. R. Stump, Blue Rapids, Kan.  
 Nov. 11—S. B. Amcoats, Clay Center, Kan.  
 Nov. 16—G. W. Roberts, Asherville, Kan.  
 Nov. 16—W. A. Frewett, Larned, Kan.  
 Jan. 13—H. F. Pelphrey, Humboldt, Kan.  
 Jan. 19—J. M. Collins, Garnett, Kan.  
 Jan. 19—J. W. Pelphrey, Chanute, Kan.  
 Jan. 20—Roy Johnston, South Mound, Kan.  
 Jan. 20—D. McFarland, Chase, Kan.  
 Nov. 23—C. H. Picher, Glasco, Kan.  
 Jan. 26—W. R. Stump, Blue Rapids, Kan.  
 Feb. 7—J. M. Ross and W. E. Long, Valley Falls, Kan.  
 Feb. 8—H. B. Walter, Effingham, Kan.  
 Feb. 8—T. J. Charles, Republic, Kan.  
 Feb. 9—Albert Smith & Sons, Superior, Neb.  
 Feb. 10—J. E. Sewer, Abilene, Kan.  
 Feb. 10—J. H. Hamilton & Son, Guide Rock, Neb.  
 Feb. 10—J. H. Harter, Westmoreland, Kan.  
 Feb. 17—Bred sows, B. VanHorn, Overbrook, Kan.  
 Mar. 4—C. H. Picher, Glasco, Kan.

**Bakewell's Expansion Poland.**

Attention is directed to the advertisement of Mr. J. W. Bakewell, Endicott, Neb., which appears in Kansas Farmer this week. Mr. Bakewell has bred and exhibited Poland Chinas for over twenty years. He is recognized as one of the best fitters in his state. Few indeed are the hogs selected and fitted by Mr. Bakewell that have failed to win. Mr. Bakewell is offering for sale a choice lot of spring pigs sired by his great Expansion boar, Expansion Over, a boar with frame enough to weigh 1,100 pounds, and with his immense size he has plenty of finish, and is not coarse like so many large boars are. The pigs are out of a great lot of sows, daughters of Old Expansion, Grand Look, Pan Famo, etc., many of them 700-pound sows. The pigs are very growthy and have been fed just right to insure future usefulness. Mr. Bakewell is one of the squarest men in the business, and will give an exact description of stock which he prices. When writing please mention Kansas Farmer.

**Jones Bros. Hereford Ranch.**

A day spent at the Jones Bros.' ranch, located at Council Grove, Kan., was one of the pleasant events of a trip recently made by a Kansas Farmer fieldman. Jones Bros. have one of the finest ranches in Kansas, comprising about 1,500 acres, lying along Rock Creek about 10 miles east of Council Grove. Water, shade, alfalfa and blue stem make this an ideal place for raising Herefords. There are at this time about 500 head of pure bred Herefords on the farm. The principal herd bulls are Simpson 99217 and Lincoln 7th. Simpson is a son of Beau Gondolus by Beau Brumby. Lincoln 7th is a son of the great Lincoln 2nd by Cherry Boy. A large number of the largest and best cows in the herd were sired by Lincoln 2nd. The other bulls in service in the herd are Pistaqua Exchange 311442 by Armour Defender, and Dandy Andrew, the Dandy Rex bull that did such good service in the J. W. Lenox herd in Missouri. The cow herd is one of the largest and finest to be seen in the entire west, and includes a large number of imported animals. Jones Bros. are great entertainers and their guests always end their visits reluctantly.

**Pure Ramboulette Sheep for Sale.**

Elsewhere in this issue of Kansas Farmer will be found the advertisement of Mr. J. G. Troutman, manager of the J. W. Troutman estate. In the advertisement Mr. Troutman offers to sell a large number of pure bred Ramboulette sheep. This step being necessary to close up the business on account of the death of his father, J. W. Troutman. This is one of the finest lots of sheep ever offered for sale, and would not be sold under any other consideration. The elder Troutman owned one of the finest stock ranches in central Kansas, comprising 3,000 acres, and was one of the best posted sheep men in the state. When he bought the foundation for the present herd he traveled extensively and bought nothing but the best. The sheep are for sale and will be sold in a bunch or in lots to suit purchaser. Address all inquiries to J. G. Troutman, Comisky, Kan. Comisky is located on the Missouri Pacific, 12 miles east of Council Grove, and 25 miles of Emporia, Kan. Mention Kansas Farmer when writing.

**Wolferperger's Poland Chinas.**

Recently the writer visited Mr. D. A. Wolferperger at his new home two miles from Council Grove, Kansas. The farm now owned and occupied by Dan and his family is one of the finest to be seen in this

part of Kansas. Splendid improvements, level farm land with a sufficient amount of pasture. Near the house is a lovely park with a half dozen deer. But the real attraction is the splendid herd of Poland Chinas. The spring crop of pigs is the best we have seen on Mr. Wolferperger's farm for sometime. The pigs are very growthy and they show that they have been well taken care of. They are all by Mr. Wolferperger's great Impudence E. L. and Dawley's S. P. Perfection. Among the dams are two by Meddler 2nd, one by Mischieff Maker, (full sister to old Meddler) one by L. & W. Perfection (full sister to Indiana) one by Grand Perfection, Keep Coming 2nd, etc. Impudence E. L. is looking fine and seems well contented in his home. The young boar, Noble Chief by Nobleman, has made a fine growth and has been used in breeding for fall litters. Write Mr. Wolferperger about the pigs, mentioning Kansas Farmer.

**An Auctioneer of Ability.**

It affords Kansas Farmer pleasure to be able to announce to its readers that H. R. Little, who for several years past has been devoting a part of his time to auctioneering, has sold out his banking interests and will in the future give his entire time and energy to the sale ring. Mr. Little is exceptionally well adapted for the work which he likes and has already made a success of. For twenty years he bred Shorthorn cattle successfully for himself in Kansas. His father before him was a breeder and he grew up and spent his entire boyhood with good stock. Mr. Little was born in Ohio 41 years ago, and was educated in that state. His friends have for years urged him to take the step he has recently taken and it is their prediction that he will become within a short time one of the best known and liked men of the profession. He is just the kind of man for the work; quick, intelligent and a most excellent judge of men. His work as a breeder and banker has afforded him a good chance to develop along this line and he has made the most of every opportunity. Few men are better posted on current events and as a conversationalist Mr. Little has few equals. His heart is in the pure bred stock business just as it has been ever since he was old enough to read a pedigree. He is a friend to the live stock industry, and the farming industry in general. He is a Kansas man whose ability has already been recognized by some of the best breeders. His services are for sale reasonable.

O. A. Tiller, the wide-awake young Duroc Jersey breeder, located at Pawnee City, Nebraska, writes authorizing us to claim Feb. 8th as the date for his bred sow sale. Mr. Tiller's card appears regularly in Kansas Farmer and he has a fine lot of spring pigs of either sex for sale. Write him mentioning Kansas Farmer.

**Red Polled Bulls.**

C. E. Foster of Eldorado, Kan., is advertising a choice lot of Red Polled bulls for sale. Look up ad and write for prices and description. Kindly mention the Kansas Farmer when you write.

**Chas. Stith Has Good Durocs.**

Chas. Stith of Eureka, Kan., has one of the good herds of Durocs and will come out with a show herd at the leading fairs. Mr. Stith has all the popular breeding, Ohio Chief, Kant Be Beat, O'Rian, and Commodore by Top Commodore. When at the fairs look for the Stith Durocs.

**W. N. Banks' Jerseys.**

A field man for Kansas Farmer spent a day on the Jersey farm of W. N. Banks, Independence, Kansas, and looked over one of the best Jersey herds we know of. There is about 100 head of registered Jersey cattle on this farm, 55 giving milk. The farm consists of 400 acres of fine land, well seeded to all kinds of tame grasses, well watered, and equipped with the latest sanitary barns. The farm is an ideal one and the cattle and breeding are the best that Mr. Banks can buy. Below we give the chief herd bull and breeding of a few of the cows. Mr. Banks has 10 choice young bulls he is offering for sale sired by the imported herd bull, Oxford's Masterpiece 86293, he by Oxford Lad out of Orphan Resultat. Orphan Resultat is by Halburton's Prince out of Boa Resultat, Halburton's Prince being by Napoleon Bonaparte out of Campanile 2nd. The dam of Orphan Resultat is Boa Resultat 2nd by Major Gordon out of Boa Resultat. All of these animals are highly commended on the island. The Oxford Masterpiece bull is 4 years old, and a great sire of high class Jerseys. One yearling heifer with calf that we saw on the farm that attracted our attention most was Majesty's Jolly Princess 238789. She is by Royal Majesty out of Jolly's Black Princess. Another imported Majesty yearling heifer is named Majesty's Jolly Black Princess and is a twin sister to the yearling heifer with the calf. One imported cow named Majesty's Silverdale 238325 by Royal Majesty out of Silverdale 2nd. Another imported cow is Pioneer's White Flag 238310 by Fancy Pioneer out of White Flag. One cow is named Stockwell's Rozei Pet 220359 and is by Stockwell out of Rozei's Pet 4th. The little calf that belongs to the yearling heifer is out of Derry's Jolly Boy 56307, a yearling bull calf that recently sold for \$250 in one of the eastern sales. We saw five bull calves that were imported in dam and are named as follows: Lucy's Champion Boy 691102, Lucy's Pioneer 61103, Reindeer's Majesty 91608, Houp-Ia's Lad 91101, and Leo Ormes' Lad 91105. About 30 of the cows and heifers in this herd are out of Financial Count, a son of Financial King, out of Fontain's Countess and are from St. Lambert bred cows. All of these heifers when fresh at 2 years' old have given as high as 24 pounds of milk and some of them as much as 32 that tested 5 1/2 per cent to 6 1/2 per cent. The milk from the whole herd tested 6 4-5 per cent, the test being made by the Sanitary Ice Cream Company at Independence, Kan. Look up ad on another page and write Mr. W. N. Banks at Independence, Kan., for prices. He has 65 head of the best Jersey cows the writer ever saw on one farm. Kindly mention the Kansas Farmer when you write.

**Premium List for Fourth Annual State Fair of Oklahoma Now Ready.**

The Fourth Annual State Fair of Oklahoma will be held at Oklahoma City, Sept. 27th to Oct. 9th. Thousands of dollars are being spent this summer for new buildings and other improvements. The swine pavilion has been moved to other quarters and very much improved for light and air. Three new buildings are being added: the Nursery, Live Stock Pavilion and Dairy Nursery. Live Stock Pavilion and Dairy Nursery, will add much to the comfort of every one who will visit this great state fair. In fact improvements are being made over the entire grounds. Mr. I. S. Mahan,

secretary, informs us that applications for entries for live stock are now more than 60 per cent over last year. One noticeable feature of the Oklahoma State Fair grounds is that almost every foot is well sodded with Bermuda grass with miles of concrete walks which makes the going easy from mud and dust. Breeders of pedigreed stock should write the secretary, I. S. Mahan, for premium list and entry blanks. Live stock breeders report the very best results by showing their good stock at the Oklahoma State Fair each year.

**The Conqueror of Lightning.**

W. C. Shinn, inventor of the famous heavy, pure copper cable lightning rod became known as the "Conqueror of Lightning" because of his discovery of a wonderful process by which his lightning rods are so perfectly insulated that they have their protective features with a \$75,000 bond in addition to an iron-clad guarantee. Everything that contrivances to absolute protection of farm buildings is embodied in the wonderful rod. In the first place, the Shinn rod possesses the greatest electrical conductivity known. The cables are over 99.5 per cent pure copper, woven to prevent side-flashes and to act as a double conductor. Farmers tell many instances where their homes equipped with Shinn rods have passed through terrible electrical storms untouched, while nearby neighbors whose homes not so protected, suffer constant fear of their lives and losing their buildings completely by lightning, which may do with loss of stock, farm machinery, etc. And much more important is the death of some members of the family—all of which are so trivial as prevented by the Shinn Lightning Protection. As Mr. Shinn, himself, says: "While the sun is shining any old piece of wire-rope will do for lightning protection, but when storm threatens destruction of property, only the absolute protection of the best rod will do."

**Every Trivial Thing Sells It.**

A very trivial thing oftentimes causes a horse to go lame, such as a slight wrench, a sprain, a cut, etc. They are liable to happen to any horse at any time. The lameness may cause inconvenience but it is not otherwise serious. All that is necessary in many such cases is to be ready to treat promptly with some efficient remedy. Perhaps no other single horse remedy has ever been so generally used or had so great a reputation. Almost everybody who owns a horse has heard of Kendall's Spavin Cure. It is found on the shelves of well posted horse owners in many countries. It is worth while to remember that Kendall's Spavin Cure has been in use for nearly half a century and its popularity is greater now than ever before. If it had not stood the test it would have been out of mind long ago. This old favorite horse liniment is on sale at drug stores everywhere. The excellent horse book entitled "A Treatise on the Horse and His Diseases," can also be had free at drug stores or by writing for it to the publishers, the Dr. B. J. Kendall Co., at Enosburg Falls, Vermont. Mention Kansas Farmer, when writing.

**Lightning Rods Are Necessary.**

That an old line fire insurance company should make an emphatically exclusive endorsement of properly installed lightning rods will probably be a matter of surprise to many of our readers who are inclined to be skeptical on this subject. Yet this is just what the Central National Fire Insurance Company of Chicago has done. Their endorsement is as follows: "Having gone into the matter by way of investigation, we have decided to make a reduction of 20 per cent. from the regular fire and lightning rate where buildings are rodded with Dodd & Struthers' rods and system, manufactured at Des Moines, Iowa, this firm having studied the subject thoroughly and taking such pains and care in the erecting of their rods, that we give them this endorsement in the way of a reduction in rate." Think of it, 20 per cent reduction in your insurance rates. But it should be borne in mind that this endorsement is for the D. & S. System alone—it excludes all so-called "systems." Prof. Dodd's wonderful invention, D. & S. Woven Copper Cable Lightning Rod and System of Installation, is endorsed by fire insurance companies as the only lightning protection. Many insurance companies now grant a reduction of 10 to 33 1-3 per cent in insurance rates when buildings are rodded by D. & S. Woven Copper Cable Lightning Rods. A list of companies making these large reductions can be had by sending a request to Dodd & Struthers, Des Moines, Iowa. Upon request the booklet, "The Laws and Nature of Lightning" will be sent you free of charge. Send your request to Dodd & Struthers, Des Moines, Iowa, mentioning Kansas Farmer.

Southeastern Missouri lands are now attracting the attention of land buyers. Bargains are being picked up almost every day. We call your special attention to the farm bargain near Piedmont, Missouri, in this issue under "Missouri Lands." Mr. T. J. Sweazea gives a description of his farm, at \$20 per acre. Its a bargain.

**Wichita Commercial College.**

The Wichita Commercial College was opened for the training of young men and women for larger usefulness, in September, 1893, and has been in continuous session for seventeen years. Thousands of young people owe their success in life to the thorough training received at this high grade institution. It has been a leader in modernizing and revising the course of study. It does not make a hobby of one or two subjects for the sake of giving fake general tests for advertising purposes, much to the detriment of the student, but develops him uniformly in all subjects, giving him the personal attention necessary to do this. It has always been careful in selecting the members of the faculty and employs none but specialists in their line. This enables the management to adopt a new book as soon as one of more merit is put on the market. This enables the students to get the best and most modern instruction and to get it from a master, not from some fellow-student. This institution trains its students to think and to work from principle rather than to imitate and work mechanically. This enables the student to do a much higher grade of work while in school as well as to earn a good salary from the day he leaves school. The advertisement of this institution appears in another part of this paper stating how full information may be obtained. Look it up and write mentioning Kansas Farmer.

**Poland China Boars for Fall Use.**

Don't fail to look up the Poland China ad of Roy Johnston, South Mound, Kan., advertising spring boars of the big type breeding. They are large, growthy fellows and the kind that make big hogs. Write for prices and descriptions. Kindly mention the Kansas Farmer.

**The Lungs of an Engine—Gasoline Vapor Instead of Air Breathed in by the "Mixer" or "Carburetor."**

The mixer on a gasoline engine; the carburetor on an automobile and the lungs on a man, are equally important and in each instance fills the same office. That is, they supply the vital power necessary. The human being, of course, requires more air, and the lungs are called upon for more active service when working than in repose, and this supply is so automatically regulated that we seldom give it a thought. The same requirements exist with an engine. As the load is increased means must be provided for increasing quantity of fuel and air fed to it.

J. B. Seager, general manager of the Seager Engine Works, has hit the nail right square on the head with the mixer which he is using on the Olds engine. This is a patented idea of his own and has the distinctive feature of supplying the proper proportion of gasoline and air to the engine without the use of a gasoline pump and without employing a single moving part. The mixer once set remains in adjustment, and the suction of the engine piston draws in its charge for each working stroke so that the more numerous the strokes the greater the supply.

It is the nearest approach of any gasoline mixer in its operation to the human lungs.

**Stump's Poland.**

This week we start the advertisement of Mr. W. R. Stump, big type Poland China breeder located at Blue Rapids, Kan. Mr. Stump has over 200 hogs on the farm, about half of which are spring pigs that are for sale. The pigs were sired by Mr. Stump's big boars, Kansas King by Granite and Capt. Hutch by Captain Hutch. The pigs are out of very large sows and representatives of the best strains of the breed. Mr. Stump has bought largely from the famous Thompson Bros.' herd, located at Marysville, Kan. The pigs are large, growthy fellows and are being priced worth the money. Mention Kansas Farmer when writing.

**Jewell Co. Herd Durocs**

In this issue you will find the Duroc advertisement of W. E. Monasmith of Formoso, Kan., and in this herd you will find sows by such sires as Belle's Chief, Nebraska Wonder, Chief Improver, Model Chief Again. With this herd of brood sows will be found pigs by Bonney K., Prince Wonder 2d (Golden Ruler, Kant Be Beat 2d, and others equally well bred. Mr. Monasmith has just purchased to assist his good boar, Bonney K., a fall boar by Valley Chief and with a dam by Hanley. This is an exceptionally good boar and the writer will be very much mistaken if he does not show up some top pigs for his owner. A fall sale will be made from this herd Oct. 27 and a spring sale Feb. 1, but you can buy a boar or gilt any time. Write your wants.

**Hill Side Stock Farm.**

With this issue John W. Treadway, of Kincaid, Kan., starts a card in Kansas Farmer for his Shorthorn cattle. At the head of this herd is the great breeding bull, Royal Gloster 282568, a pure Scotch bull sired by Day Dream's Pride 294575. His dam was Hackler's Duchess of Gloster 12th an imported cow of note. Royal Gloster has proven an extra good breeder of a uniform type. The herd cows are an excellent, well bred lot and are in fine condition. We make mention of only a few of the valuable cows in this herd: Eveline 23446 by Lord Valentine 19193 out of a Young Mary cow tracing to Imp. Young Mary; Anna Belle 9127, a roan cow by King's Guard, out of Nora Bell by Orange Champion; Pearl W. 28358 by The Rustler 186003, out of 7th Lincoln's Duchess of Greenville, tracing to Imp. Princess 4th; Lucille Sharon 2d 28353, by Lord Valentine, out of Lucille Sharon by Amos Cruickshank; Princess Kirklevington by Lord Thistle 129960, out of Kirklevington Lady 3rd, tracing to Imp. Kirklevington 4th; Lady Scott 28351, out of Lady Knight, tracing to Brave Knight 182522; Maxine 28354 by Corwin out of Ophelia of River Side, tracing to Imported White Rose. This is an exceptionally good cow and a show cow in any company. There are many other good cows in this herd and several extra good young calves and heifers. Mr. Treadway has sold all his bulls but can spare a few cows and heifers to reduce his herd. The cattle are all in good condition. They have not been pampered but are fat, having had plenty of good pasture this season. To any one wishing a few choice heifers we can say that you will make no mistake if you buy from this herd. Kindly write for prices and mention the Kansas Farmer when you write.

**Buy a Corn Sled.**

With this issue the Green Corn Cutter Co., Topeka, Kan., are advertising their up to date, handy corn sled. This sled has been used for a number of years among farmers of Kansas, and has met with satisfactory endorsements for its simple and easy operating tool for cutting up corn, cane, kafir corn, or anything planted in rows. It is easily operated by one horse and one man, which can easily cut up from 50 to 75 shocks of corn in a day. Another advantage is that there is no danger of injury by cutting either man or horse, for the knife is protected so that only the corn can get to it. It is being handled by the dealers generally through Kansas, Missouri and Oklahoma and may be obtained through the company at Topeka, or the Rock Island Implement Co., at Kansas City, Mo., or Oklahoma City, Okla. For price list and circulars, write to the Green Corn Cutter Co., Topeka, Kan.

**16 Poland China Boars for Sale.**

If you need a young boar of December and January farrow, well grown out and full of quality, sired by the first prize boar of Kansas and the champion of Oklahoma write to T. M. Chambers at Oswego, Kan., and buy a young boar sired by the noted Ten Strike. Kindly mention the Kansas Farmer when you write.

**If You Are Collared You'll Surely be Cuffed.**

So says a well-known man who three months ago bought his first Anchor Brand Collar and came around to get cuffs of the same kind. Anchor Brand Collars certainly looks more like linen than any other composition collar on the market, and they wear so much better that their wearers put them in a class by themselves. They are made by the Capital Collar and Cuff Co., of Lincoln, Neb. The Company will be pleased to send their book of new styles to any one requesting it.

# Lumber and Building Material

AT A SAVING OF FROM 30 TO 50 PER CENT.

THE CHICAGO HOUSE WRECKING CO'S. Wonderful Offer on Brand New Lumber and Building Material—Plumbing—Heating Apparatus—Paint, etc.

## We Furnish all the Material to Build these Houses and Barns

**\$420.00**  
Buys the Material needed to Build this House.



House No. 122.

This neat and comfortable cottage has six rooms within space of 24 ft by 24 ft., and is very little higher than a one-story house. On the second floor are two fair sized rooms with ample space for closets or store rooms. The first floor has large living room, two bed rooms and a large kitchen. A cozy home.

**\$725.00**  
Buys the Material needed to Build this House.



House No. 130.

This house, the most popular design ever built. Size 25 ft. 10 in. by 29 ft. 6 in. Pleases a large number and can be economically constructed. Has eight rooms, with bath, pantry, vestibule entrance and large hall connecting with kitchen.

**\$650.00**  
Buys the Material needed to Build this House.



House No. 6.

House design No. 6 is known practically throughout the U. S. The most popular design ever placed on the market. Contains reception hall, parlor, dining room, kitchen, pantry on first floor; 3 bed rooms and bath on the second floor.

**\$798.00**  
Buys the Material needed to Build this House.



House No. 139.

The design shown herewith is a modern house of liberal dimensions and extremely handsome effect. Size 29 feet wide by 33 feet 6 inches deep, exclusive of porch, and has every convenience of a strictly up-to-date home.

**\$550.00**  
Buys the Material needed to Build this House.



House No. 117.

Here is a bungalow intended for a wide city or suburban lot. Size 39 feet 6 in. by 27 feet deep. Living room, dining room, kitchen, pantry, 3 bed rooms and bathroom on one floor. Rooms easy of access. For a summer suburban home this class of house offers many advantages.

### High Grade Bathroom Outfits.



Price of this outfit is \$375.00. Plumber would ask you about \$50.00 for this same outfit. It's only one of ten other complete outfits that we are offering from \$25.00 to \$100.00. Our catalog describes them in detail. You need the book if you want to keep posted on up-to-date business methods. Get our prices on Pipe and Fittings.

Strictly new and as good as anyone sells. We have everything needed in Plumbing Material. Our prices mean a saving to you of 30 to 60 per cent. We can easily prove it if you will give us a chance. Here is an illustration of a Bathroom Outfit we are selling at \$75.00. Your

### PRICES FOR COMPLETE PLUMBING OUTFITS.

We furnish complete plumbing for any of the above houses including Bath Tub, Closet, Lavatory and Kitchen Sink, and all material necessary for "roughing in" work, so as to complete the whole job to the ground line. All material "A" grade, brand new and guaranteed for \$92.50

### PAINT FOR THESE HOUSES.

Double coat inside and outside, except floor and roof paint.  
No. 122, \$17.93 No. 6, \$26.54  
No. 130, \$26.84 No. 139, \$27.54  
No. 117, \$19.70

### PRICES FOR COMPLETE HEATING PLANTS.

We will furnish a complete Heating Plant guaranteed first class and brand new, for these houses as follows:

| Prices for Hot Water Heating Plants. |                   | Prices for Steam Heating Plants. |                   |
|--------------------------------------|-------------------|----------------------------------|-------------------|
| No. 122, \$125.00                    | No. 122, \$128.84 | No. 130, \$196.84                | No. 130, \$196.84 |
| No. 6, \$216.00                      | No. 6, \$180.84   | No. 139, \$202.34                | No. 139, \$202.34 |
| No. 117, \$176.21                    | No. 117, \$147.85 |                                  |                   |
| Prices for Hot Air Plants.           |                   |                                  |                   |
| No. 122, \$78.65                     | No. 6, \$99.36    | No. 130, \$127.10                | No. 117, \$83.05  |

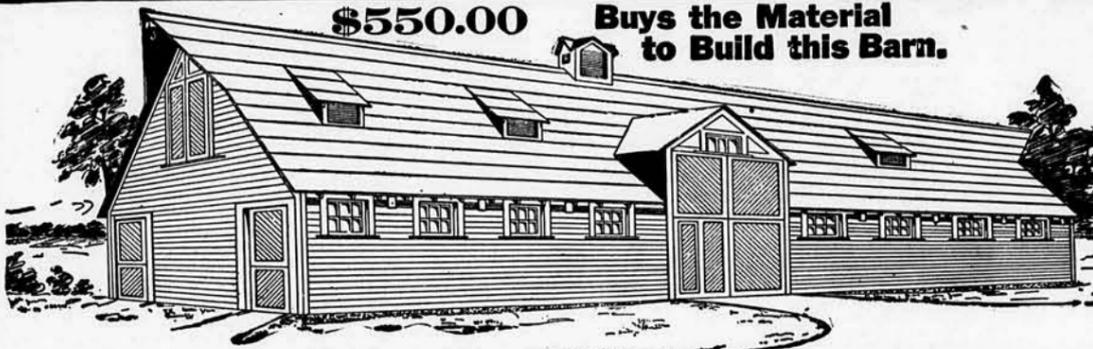
### Hot Water Heating Plants.



We furnish new complete hot water heating outfits at half the usual prices. Our proposition includes all necessary plans, specifications, blue prints and detailed instructions, so that any ordinary mechanic handy with the use of tools can easily install it. You can't go wrong when you deal with us. We stand back of every sale. You send us today a sketch of your building and we will make you a proposition to furnish you a complete steam or hot water heating outfit. We also have hot air furnaces. Our booklet on heating plants tells every feature of the heating question. We can quote radiators and heaters separately. Whether you buy from us or not it is a valuable book for you to own.

### OUR "STAR BARN DESIGN" SHOWS

A modern cattle and horse barn which we believe will meet the requirements of many farmers who make a business of raising stock on a moderate scale. This building is of the balloon type of construction as shown more fully by our Blue Print Plans. The hay mow extends to the ground floor and also above the grain rooms on each end of the barn. Cattle stalls are arranged on one side of the hay mow, while the horse stalls are arranged on the other side.



**\$550.00** Buys the Material to Build this Barn.

### OTHER FEATURES OF OUR "STAR BARN DESIGN."

We particularly call your attention to the numerous windows shown in the ground floor plans. There is no part of this structure that is not amply lighted, and the windows together with the ventilation in the roof furnishes an ample supply of fresh air to every part of the building. The size of this barn as stated is 53 feet wide by 80 feet long, 8 feet to the eaves, 24 feet to the comb. Price, without stable material, \$550.00.

## SEND US YOUR LUMBER BILL FOR OUR ESTIMATE

We carry in stock over 20,000,000 feet of brand new lumber and can furnish mill work of all kinds. Also Structural Iron and Metal and Ready Roofing.

### \$2.00 Buys complete set of Blue Prints

That's the price for the plans for any of the buildings in this advertisement. We send you a set of plans of any of the houses described above including the necessary specifications and a list of material, transportation charges prepaid for the sum of \$2.00, deposit. At this price we will furnish the blue prints and plans including list of material for the designs illustrated and described above. This \$2.00 that we require is only a deposit or guarantee of good faith. Our proposition is as follows: Is after you receive these blue prints specifications and list of material and decide to place an order with us for the complete bill of material, we will credit you with the \$2.00 received, so that no charge whatever is made for the blue prints. If you decide to return the plans, specifications and list of material inside of twenty days, we will refund \$1.50, thereby making the total cost only 50 cents.

### Water Supply Outfits.

Modern Air Pressure Water Supply systems at prices ranging from \$48.00 to \$200.00. They are strictly new, first class and complete in every detail. It makes no difference whether you live in the country, you can enjoy every city comfort at little expense. Why not investigate this? We are ready to furnish you with all the facts free of charge. All material fully guaranteed. We also have a complete stock of Pipe, Valves and fittings at 40 to 60 per cent saving. Gasoline engines at low prices.

**\$36.00** BUYS A 2 H. P. GASOLINE ENGINE. We are offering the finest 2 H. P. engine ever produced at a price lower than you can possibly secure it for elsewhere. It is strictly first class and brand new and covered by a binding guarantee.

### Our Free "Book of Plans".

This undoubtedly, is the handsomest Book of Designs ever produced. It is a practical work of art produced by the best architects. We give it away without obligation of any kind to any one who intends to build now, or has any future prospects of building a home or a barn. It contains reproductions of photos and is true to life in every way. It explains in detail Our Wonderful Building Offer whereby we propose to sell at a given price the complete bill of material needed to construct houses, cottages, bungalows, barns etc. We want every reader of this paper who values such a book to write us for a copy. We are leaders in our methods, and our complete building proposition is the most enterprising building offer ever presented to the public. You fill in the coupon shown elsewhere in this advertisement and we will send this "Book of Plans" without any obligations on your part.

### FILL OUT THIS COUPON.

Chicago House Wrecking Co., Chicago.

I saw your ad. in KANSAS FARMER 61  
Send me free of all cost your "Free Book of Plans" and your large General Catalog. I am interested especially in

Name.....

Town..... County.....

R. F. D..... P. O. Box..... State.....

If you don't wish to send coupon drop us a postal card, tell us where you saw this ad. and what items interest you.

### Our Mammoth Free Catalog.

The Greatest Price Maker ever Produced. A book of 500 pages profusely illustrated. A demonstration of what the Chicago House Wrecking Co. stands for as a bargain center. It's such a book as every buyer of merchandise must have in his or her possession. It will save you money every day you buy goods. It's a pace maker in the bargain world. It shows what vast lines of merchandise are secured by us at Sheriffs', Receivers' and Manufacturers' Sales. It costs \$1.00 to produce each one of these catalogs. We send it to you absolutely without charge of any kind, and without any obligation. It contains a description of our vast stock of Furniture, Household Goods, Office Fixtures, etc. Fill in the coupon shown elsewhere in this advertisement and tell us what lines of merchandise interest you most and we will furnish you with additional information concerning the material you need.

### SPECIAL ANNOUNCEMENT! FALL OFFER on CLOTHING, DRY GOODS, Etc

On August 30th we will have ready for mailing our new Special Clothing and Wearing Apparel Booklets. Here is the greatest invasion in the merchandise lines that has been heard of in years. We will positively afford you a saving of 30 to 50 per cent on new, clean, ample stocks of merchandise, such as Men's Boys' and children's clothing, Ladies wearing apparel, Dry Goods, notions, Guns and Sporting Goods, Wares, Bugles, harness and G-cceries; in fact every single article in the home, in the field or in the factory, also everything needed to wear or to eat.  
Be sure and keep in touch with us and write us if you are specially interested in these lines.  
Business Manager's Office, Dept. G. S. 61.  
CHICAGO HOUSE WRECKING CO., CHICAGO, ILL.

CHICAGO HOUSE WRECKING COMPANY, 35th and IRON STREETS, CHICAGO.