

# KANSAS FARMER

FOR THE IMPROVEMENT

OF THE FARM AND HOME

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## THE CALL OF THE SOIL

The three fundamental occupations of mankind are farming, home making and teaching and these, under modern conditions are so blended as to be inseparable. Upon these three all other occupations depend. Whether we like it or not, whether the lure of the city will remain stronger than that of the farm, whether the present day problems will be solved, in some new and untried way, there must always remain the demand for the farmer as well as for the satisfaction of that longing which comes to every human breast and which we know as the call of the soil.

Under present conditions of high priced land, the scarcity of farm help and the lack of any new land that can be opened up agriculturally there is a constant cry from forum, press and pulpit of "back to the soil" and yet this cry is wholly unavailing. Farming now is a very different proposition from what it ever was in the history of this country and men who have once answered the call of the city whose gates open only inward cannot return to the soil with profit either to themselves or the community.

It is urged by philanthropists and well wishers of the race generally, that the great army of the unemployed which is always more or less in evidence in the city should return to the clean, wholesome, natural life of the farm where their services are needed. These well wishers mean well but they do not know.

The men who compose the army of the unemployed cannot go back to the farm and succeed. They have been unsuccessful in the city, whose germs are in their blood and whose atmosphere is as the breath of life to them. They would be unsuccessful in the country with which they are totally unacquainted. Farming now is one of the learned professions and that man who would make of it his life business must be trained for his work. These city waifs are not so trained nor can they be.

Even if it were possible to turn the army of the city unemployed back to the farm it remains a serious and unsolved question as to whether it would be a desirable thing to do. Do the farmers want this class of people to come among them, mingle with them socially and in their families and become a part of their lives? Granting that they are morally clean, which many are not, would they not still be undesirable citizens with their different modes of thought, their strange ways of living and their total ignorance of the new conditions to be found on the farm?

The three essentials in the progressive development of the human race are food, the care of the young and a continuation of the lessons of experience. The first is secured, primarily, through and by the farmer. Upon him all others depend. The second is best accomplished on the farm where ideal conditions as to health and physical well-being exist but in this care of the young should go the proper mental training as well. Here is involved the third and upon this whole matter, coupled with the demand for greater effective production on the farm has come the insistent demand for the teaching of agriculture in the common schools.

As conditions now exist and as the future promises there can be but one

### Can the Demands of the Farm be Supplied From the Cities or Must the Future Farmer be Specially Trained?

solution to the question of efficient farm help and that lies in the proper training of the helpers both for the fields and the home.

There is a state movement on foot now to require the teaching of agriculture in the common schools of Kansas, and the State Reading Circle Board has adopted a text book on the elements of farming, which is recommended to be read and studied by every public school teacher in Kansas. In round numbers there are 13,000 school teachers in the state, each of whom is to be asked to teach agricul-

ture from the information gained in this one little book. Eight thousand of these teachers are in charge of rural schools and the State Reading Circle has designated certain books which these teachers must read and discuss in their associations, institutes and teachers' meetings, just as they do other subjects which they are expected to teach. It is also planned that teachers' examinations shall contain questions, designed to test their knowledge of agriculture and their ability to teach it. This is said to be the first big step toward getting the

teachers started in the study of farming, so that agriculture may become a part of a regular course of study and they be qualified to handle it.

It is not planned or expected that these teachers shall drive mowing machines or ride sulky plows, but it is expected that they shall gain information about the improvement of plants and animals and be able to impart it. They are supposed to know something of the propagation of seeds and animals; of plant and animal nutrition; the soils and their value in agriculture; questions in irrigation and drainage; the enemies of farm crops both vegetable and animal; and the management of farms.

This whole proposition looks well on paper and has met with much enthusiastic approval by officers of our school systems and citizens who have the best interests of the state at heart. It would seem, however, that it is doomed to failure. The children are not of sufficient age and understanding to grasp and assimilate the knowledge of the underlying sciences, and the teachers could not teach them if the children had this capacity.

It is cited that in older communities the elements of agriculture have been successfully taught in the primary schools with the assistance of school gardens. Frequent instances of this kind have been mentioned in the public print, and their results lauded as pointing the way to success in the introduction of this newest of all systems of education. Again, the teachers themselves are not and can not be interested in the teaching of agriculture in such form as it would have to be taught in the primary schools. Their interest and their work lies elsewhere. Though some of them may perhaps be engaged in teaching temporarily with the ultimate purpose of devoting their lives to the work of the farm, such teaching is still beyond them. The country school can not be equipped with the necessary apparatus, nor can its curriculum be provided with the necessary time for such instruction. The place for elementary agriculture is evidently not in the primary schools.

On the other hand, Kansas is pre-eminently an agricultural state and must always remain so. Its future prosperity depends upon the fostering of its greatest industry. The business of farming is a profitable one, but it is more really a business subject to the laws of business and conducted under business methods than it ever was before. Every citizen should be interested in the welfare of the commonwealth. The welfare of the commonwealth of Kansas depends primarily upon its agriculture, and anything that can be taught in the primary schools that will tend to the betterment of agriculture, as well as the improvement of her citizenship, should meet with the enthusiastic support of every true Kansan.

To accomplish the best results the managing boards, as well as the teachers and parents, should bear in mind the fact that the primary school is maintained for the purpose of developing the mind of the child and not for the purpose of teaching specific arts or sciences. A trend should be given in the right direction by including in the curricula of all primary

### Another Important Present Problem



"Well, little one, you're about to graduate, and we better be looking around to find which one of our many good schools and colleges you will next attend."

(Continued from Page 5.)



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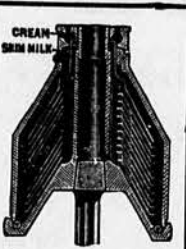
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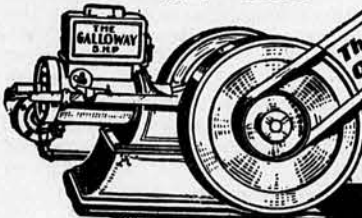
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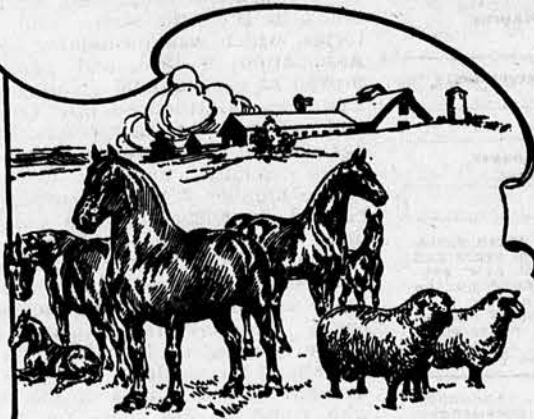
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# KANSAS FARMER



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Established 1863. \$1 a Year

## Complete Insurance Against Garden Pests

By J. LUKENS KAYAN  
In Garden Magazine

Spraying, and therefore the use of spraying devices, has become a necessity. The half dozen or so fruit trees that furnish a supply of fruit to the dweller on the village lot, or to the suburbanite, are threatened with extinction unless the owners are awakened to the fact that the pests that are destroying their trees can be held in check; the orchardist already knows it.

In these days, with state inspectors and instructors, and any quantity of literature dealing with the destruction and prevention of the arch foe of our fruit trees (San Jose scale), the majority of people passively watch the destruction of fine fruit and ornamental trees which could be saved by a slight effort, by spraying.

The necessary ingredients for the remedy can be purchased in every community, or a first class article can be had ready-made, only requiring dilution with water for use.

The apparatus is within reach of all and can be purchased in a variety of sizes suited to the amount of spraying to be done. Each outfit, of no matter what size, will pay interest on the money invested.

Do not buy a "cheap" sprayer. The best equipment for the average home garden, I think, is a compressed air sprayer, all brass, costing about \$8, including a two-foot pipe extension and a Mistry nozzle.

This is cheaper than a barrel pump, and will do for all spraying except large trees.

Do not apply poison sprays to foliage which is to serve as food. A proprietary article supposed to contain ground oyster shells has proved effective for destroying all leaf-eating insects and, in the quantities used, is harmless to human beings.

For applying powders, the best device is a can with screw top, thickly perforated with holes no larger than a pin point. The powder will sift through these fine holes in the condition of dust, which is just as effective as a heavy coating, while it adheres better to the foliage, and is not wasteful. Powder bellows cost from 75 cents to \$2.

Do not wait until the plants are killed by blight or defoliated by insects. The only sure way is to spray all plants that are known to be subject to attacks before the damage appears, and always keep a visible coating on each plant until all danger has passed. Use Bordeaux mixture for fungus diseases, and arsenate of lead for leaf-eating insects. This poison will not burn the foliage even if an overdose is given, but Paris green may. The best way is to combine the two sprays for blights and insects at the same time.

Have your spray mixture always ready every day the year round. Keep concentrated solutions of sulphate of copper and lime in separate receptacles. Two four or five-gallon earthenware crocks will hold stock solutions

that will make 50 gallons of Bordeaux. Put five pounds of sulphate of copper in one crock, and six pounds of stone lime, slaked and strained, in the other. Keep closely covered to exclude dust and dirt, dilute and mix as required. Dilute the two solutions before mixing as they combine better. Kept separate, they can be used as wanted at short notice and will not deteriorate from standing. Add arsenate of lead at the rate of about two ounces to three gallons, or two pounds to 50 gallons of Bordeaux.

The simplest form of hand sprayer consists of a reservoir holding one to two quarts of liquid, to which is attached a small pump for creating air pressure to force the liquid out in a fine mist or spray. This is made in both tin and brass, but the purchase of a tin or iron one is a waste of money. All metal parts that come in contact with the spraying solution should be made of brass, whether the machine be of one quart or 50 gallons capacity.

The reservoir and pump of the bottom sprayer are made of tin and the rust spots show in the photograph; the top one is made of brass. While slightly different in construction, both are similar in use, the bottom one being the better of the two. For the spraying of potted plants, a very few outside plants or small bushes, this form will prove effective; but in continued use becomes very tiresome.

Aside from the small syringe-like devices, the knapsack sprayer, slung on the back, is the oldest form of portable sprayer. The lever and handle to operate the pump can be attached to the tank, on either the right or left side, and the spray is continuous. Pump and spray cylinder are fastened to a plate clasped to the tank with thumb screws and the whole can be easily removed for use on a bucket if wanted. The tank has a capacity of four gallons. For spraying a mechanical mixture of kerosene and water, a special attachment is supplied. The type of sprayer that has the pump inside the tank, which is sealed airtight after filling, is very easy to use. The enclosed pump produces an air pressure which gives a continuous spray for some time. Generally two, and at most three pumpings will exhaust the supply of solution. The tank has a capacity of four gallons, three gallons of solution and one for air space.

Even the best form of portable sprayer now on the market (so far as I can find) has some petty annoyances accompanying its use that could very easily be overcome. The sealing ring is made of galvanized iron even in the so-called "all-brass" ones; this ring needs careful exami-

nation to make sure it is smooth, many are rough and cause no end of trouble in securing an air-tight joint. After some use, these rough places cause dents in the rubber gaskets and unless the pump is so placed in the tank that the high places on this ring and the dents in the gasket coincide, it is almost impossible to equal it.

By the use of ladder and extra pipe extensions this type of apparatus becomes serviceable for trees of moderate size. For large trees a tank or barrel outfit will prove the most efficient. Such outfits require two persons successfully to handle them, one to operate the pump and the other to direct the spray.

There are a number of different makes of such outfits, and a variety of sizes, each with its special advantages. To make a selection, the best way is to get the printed literature of the manufacturers and become acquainted with the merits claimed by each and when the time comes to purchase you will be able intelligently to select the style suited to your needs.

### THE NOZZLE.

Quite as important as the pump itself is the nozzle—indeed, the efficiency of the "spray" rests here. A good spray nozzle should produce a fine mist-like spray and be equipped with a disgorger that will do its work. There are a number of such nozzles. There is also the misnamed Bordeaux, a very poor makeshift, of very little use for spraying that mixture.

The Mistry nozzle has several good points to recommend it. The spray issues through a thin metal plate; the volume can be regulated by having several plates with different sized holes in them, using the one suited to the work in hand. This change can be quickly made, as every adjustment is easily effected with the fingers only. No tools are required. It can be set to spray straight ahead, or given a one-eighth or one-quarter turn; saving an extra bend. With this nozzle attached to a two-foot pipe extension, both sides of the row and the underside of the foliage can be sprayed at one passage.

### POWDER BELLOWES AND SIFTERS.

Powder forms of both insecticides and fungicides are often used and have proved effective for some purposes. The ordinary method of applying powder—through holes punched in the bottom of a tin can—is very wasteful, but can be made very efficient by using a screw-top can, perforated with very fine holes; so that it is necessary to strike the can to cause the powder to sift through these perforations; this forces the powder through in a fine dust which settles on the plant. There are some very

good powder guns on the market, but they are better adapted to the large grower than to the home gardener, because of their price and the small amount of work suited to them, and the price prohibits their use by the latter class. For home use either of the powder bellows is better. The long-handled one with the funnel-shaped nozzle, known as the Acme powder bellows, is very low in price, and does all that the makers claim. The funnel-shaped nozzle has a small funnel attached to the inside by a wire spring, this spreads the powder dust and can be removed when not needed. The funnel can be removed or set straight, although in the form shown it has been the easiest to use. The nozzle is unscrewed and one-quarter of a pound of powder, no more, is poured directly into the bellows. It is operated by quick pressure on the handles, the quicker the strokes the greater the blast of powder. If done when no wind is blowing, this dust settles all over the plant in a very thin layer, yet heavy enough to be effective.

The Woodason bellows is a high-grade article. Powder placed in the funnel-shaped receptacle attached to the nozzle is expelled with each action of the bellows, a small quantity falling into the nozzle between each two strokes. A spreader may be attached to the nozzle and there are other attachments for the use of sulphur for subduing mildew, and for the spraying of liquids. Powder guns or bellows must be kept in a dry place.

### TREE SCRAPERS.

The rough, loose and peeling portions of the bark on the trunk of the tree, which serve as breeding places for all manner of insects, must be scraped off before applying a spray mixture or wash to this portion of the tree.

There are two forms of scraper: the small one sold as a short-handle tree scraper, by seedsmen, and as a box scraper (at one-third less price) by hardware dealers, is an excellent tool for one-handed close work. The triangular blade is convex, sets at an angle to the handle, is held in place with a nut, and may be removed for changing its position or for grinding. The long-handled one (20 inches) can be used with both hands for hard scraping, or for reaching large lower branches. The blade is also triangular, but flat and larger than in the short-handled tool. It is also held in place by a nut.

### MOLE TRAPS—CATCHING A MOLE.

Moles always have been and most likely always will be, a source of disfigurement of the lawns and the destruction by uprooting of both flowering and vegetable plants is quite serious. Various remedies have been suggested, but the surest and quickest way, in my experience, is the use of a mole trap.

(Continued on page 5.)





# KANSAS FARMER

## EDITORIAL



### WHAT HUMUS REALLY DOES.

Many people have a notion that humus is the great factor in crop production, and that if a farmer had good humus he could grow a good crop. This is one of the greatest mistakes in agriculture. Crops are not made of humus. Humus, for its own sake, furnishes nothing to feed plants. It is merely a tool to help make plant food available, to help hold moisture and liberate plant food. It has no part in feeding plants so long as it remains humus, says Dr. Hopkins of Illinois.

Decaying organic matter is confused with humus. Organic matter includes the vegetable and animal matter that accumulates in the soil. Humus is the part of organic matter that is resistant to decay the part that remains of organic matter after it has lost its form. Humus is the black mass in which you cannot tell corn stalk, oat straw, or what it was.

Decaying organic matter is of very much more value than humus. It is the action you get in the process of making humus that is most valuable. The humus itself is very inactive; it has been in the soil for hundreds of thousands of years and will remain there yet. The key to the humus problem is nitrogen. If you will maintain the supply of nitrogen in the soil you need never give a thought to humus.

### STUDENT PRIZES AT THE DRY FARMING CONGRESS.

Student teams from agricultural colleges in the United States, Canada and other parts of the world are eligible to compete for a massive silver and gold trophy cup, representing a value of several hundred dollars, to be awarded as first prize in a grain judging contest at the International exposition in connection with the fifth session of the Dry Farming Congress in Spokane the first week in October. The Washington board of control, of which David T. Ham of Spokane is chairman, will present the trophy, which is to be competed for at every congress.

Acting upon a suggestion by Alfred Atkinson, chairman of the board of governors of the Dry Farming Congress, the Washington board of control has made arrangements for establishing this trophy, and John T. Burns, secretary of the congress, has started correspondence with the agricultural colleges in the dry farming states, provinces and countries, inviting them to select teams for the contest.

The contesting teams will judge samples of wheat, oats, barley and corn in four classes. The details of the contest, including points of merit in the various classes and method of judging, will be worked out by Prof. W. H. Olin, superintendent of premiums and awards. The work of the students will be passed upon by competent judges who will award the trophy. Experts from the government service probably will be secured to act as judges.

A number of smaller trophies also will be provided for the contest, to be awarded to the teams best judging the various classes, and individual trophies for best individual judging.

The contest is open to the world and it is expected that teams from most of the agricultural colleges of the states in the dry farming districts in the Union, from the Canadian provinces and some from other countries, will enter the first competition.

### ADDING VALUE TO LAND.

By the judicious use of fertilizers and a proper system of crop rotation, the College of Agriculture of the University of Missouri was able to add 16½ bushels an acre to the corn yield on an experimental farm at Billings, Christian county, Missouri. The application of the same methods increased the yield of wheat from 9 to 18 bushels and added a ton of clover hay to the acre.

These results were obtained on a field typical of the rolling upland of that section of Southwest Missouri known as the Springfield group of soils. The top soil is reddish brown to gray and the subsoil is usually a bright red. The soil is deficient to

a marked degree in nitrogen and phosphorus and only slightly deficient in potash and lime. In the experiment made by the college, cowpeas, phosphorus, potassium and lime were used. The tabulated results of the experiment are given in a bulletin just issued by the Agricultural Experiment Station. The bulletin is by Prof. M. F. Miller and C. B. Hutchison.

In addition, the bulletin contains valuable advice on the handling of this soil. In this respect it is similar to two other bulletins recently issued by the Experiment Station on the series of experiments being made in various parts of Missouri to determine the best methods of handling the different soil types.

### AGRICULTURE IN THE COMMON SCHOOLS.

From a great many years of practical school work and special study of industrial training and agriculture in common schools, Superintendent Frank H. Hall of the Illinois Farmers' Institute, who is a widely recognized author with both farmers and school men, said in part:

"I am a little fearful that in putting agriculture into the common schools we shall begin with the wrong phase of it—be in too much haste for a strictly pedagogical basis or to have the parts logically related; and that we shall put too little strength on the seventh and eighth grades. Demanding first attention is the fact that many pupils and many parents do not believe that the present seventh and eighth grade work is especially helpful to prospective farmers. Hence the young people are leaving the elementary school in large numbers.

Not nearly half the farmers are ready for this innovation—only some of the leading, thoughtful, representative farmers, and most of those who are, believe that the economic phase should be made most prominent in the sixth, seventh and eighth grades. Indeed it is the economic phase as presented by Professors Hopkins, Mumford, Fraser and Blair that has brought many to see its necessity in the school. We must remember that the "rank and file" of farmers do not wish agriculture in the schools.

Many leading educators recognize the importance of putting agriculture into the schools, but the "rank and file" of the teachers do not care to undertake it. Agriculture was given special attention for two years in the Gile county teachers' institute, and then dropped because the teachers were not interested, but after observing Corn Day in the schools and County Corn Day, at which the economic phase came out clearly, the supervisors gave \$125 for the next "County Corn Show." In Edgar county by much effort 80 boys were

interested in one of the best things, i.e. growing a corn breeding plot, but just two completed the work. Mr. Foster of LaSalle county tried to get the boys to keep account of corn fields and learn how much it cost to produce an acre of corn; 90 said they would make the trial but in the outcome there were six.

This work in agriculture becomes popular just in proportion as its economic value becomes apparent. And in this the farmer is no different from other people. Every sensible man wants a home and food and clothes and a surplus. Education should help the young man to get a living, plus, in the right way—by earning it—by giving an equivalent in corn or wool, or skill or counsel for every dollar he seeks.

We are losing many pupils before they complete the eighth grade. The boy remains who believes it will be to his economic advantage to remain, and the boy goes out who believes it will be to his economic advantage to go out. If we are to hold boys in school by introducing agricultural science, it must be presented with its economic phase continually before the pupil. He must be made to believe that it will pay—help him to earn a living and a surplus. This is vastly more important than the logical or pedagogical presentation of it.

The farmer must be helped to see that right living is quite as important as getting a living, but the educator must concede to the farmer that getting a living and getting it honestly is a prime essential in right living.

The university thoroughly sanctions industrial and agricultural education, and the Farmers' Institute is doing much to make sentiment for introducing it in the elementary schools.

### HEREFORD JUDGES.

The directors of the American Hereford Cattle Breeders' have named the judges for the big fall shows as follows: At the American Royal next fall they will be P. C. Lee of San Angelo, Tex., John Latham of Lake Geneva, Wis., and George Hendry of Independence, Mo., John Gosling of Kansas City as judge of the carlot division. At the International they will be S. W. Anderson of Blakers Mills, W. Va., T. A. Minner of Craig, Neb., and James A. Shade of Kinsley, Ia. Thirty-five breeders became new stockholders in the association at this meeting.

In giving testimony before the select committee of the United States Senate appointed to investigate wages and prices of commodities, Mr. S. H. Cowan, attorney for the American National Live Stock Association, called attention to the unsatisfactory

range conditions as contributing to the shortage of cattle in the West. He emphasizes the importance of the passage of the Lease law, as a remedy. The bill providing for the Federal control of grazing or public lands in the arid states and territories, which was formulated by this Association in 1908, and again approved at each annual meeting since, has been reintroduced into Congress and referred to the committee on agriculture and forestry. This bill bears Senate number 6345 and House number 22462, and copies may be had by addressing the Congressman of your district. It is a well known fact that there are thousands of acres of public lands that are now lying absolutely idle and useless because of our present land laws. These lands could be utilized in part as ranges for cattle or could be sold outright to individuals or companies who could handle them for the increase of our beef supply. In the present condition of the meat market it seems to members of this Association that the enactment of a Lease law, under which these lands can be rented for pasturage, would greatly relieve the situation by extending the territory over which it is still possible to produce cheap beef.

It is a fact which is not generally known in the East, but which has been demonstrated in long years of experience in the West, that sheep can live without water for weeks at a time, provided they have an ample supply of green food. This one fact, more than any other, has caused much of the trouble which has arisen from time to time between sheep men and cattle men on the great ranges of the West. The cow outfit is absolutely dependent upon water, and the cattle cannot be raised unless they can have easy and frequent access to it. On the other hand, the peculiar powers of the sheep permit of their being driven over long stretches of country which are not supplied with water. As sheep eat the vegetation down very closely, the territory they cover becomes absolutely worthless as a cattle range until it has had time to recuperate after sufficient rainfall. When the cow man invests his money in his outfit, and locates in the territory where grass and water are abundant, it is possible for a large flock of sheep to absolutely put him out of business by trespassing on his pasturage. On the open ranges belonging to the Government, this has given rise to much friction and bloodshed between cattle and sheep men, and these facts are perhaps the strongest argument that can be used in favor of the leasing or selling of public lands in the semi-arid regions by the Government, when such lands are not suitable for agricultural purposes.

We live in a world of facts. Good seed, like a well bred animal, is very essential, but that alone will not produce a crop of corn. You need to have the surplus water not only off from the land but out of the soil. The moisture content is ideal when all water is out that will run out of the soil if there is any place for it to run. Corn is not made out of nothing. What is it made out of and where does the material come from? These are the first questions anybody ought to ask about corn, but these are absolutely the last questions people will ask. The food for plants is just as important as the food for animals. Plants are made of food, said Dr. Cyril G. Hopkins of Illinois. One bushel of oats requires one pound of nitrogen to produce the grain and straw; one bushel of corn, 1½ pounds of nitrogen, one bushel of wheat, two pounds of nitrogen. If you can't furnish the nitrogen you can't make wheat. One ton of average fresh manure contains 10 pounds of nitrogen; one ton of clover hay, 40 pounds of nitrogen. Two-thirds of the nitrogen is in the grain and one-third in the stalks of corn or the straw of small grain. The five facts tell how much nitrogen you sell in the grain and how much is retained. They also tell how much nitrogen can be returned to the soil in a ton of manure, and by plowing under a ton of clover.

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(Continued from Page 1.)

schools, whether city or country, a comprehensive course of nature study. Whether the child is to live on the farm or in the city, whether he shall get his daily bread from the field or through his labors in the office, he should have an intimate knowledge of such facts as would come through this course of study in order that he may handle problems bearing upon the general welfare, should any such ever be put in his hand, or should be able to vote intelligently for those who can do so. The conservation of our natural resources is of interest to every citizen, and a proper understanding of the questions involved can not come to him who knows nothing of the nature.

At present our whole system of education tends away from and not towards the farm. The problems in our arithmetics, the stories in our readers and the examples in our grammars have to do entirely with commercial life and lead away from the farm. A complete revision of our text books is needed and this should be done by men who have the dominant interest of the state and nation at heart, and who will see to it that agriculture and not commercialism is a prominent feature in the school course as a whole.

Agriculture in the common schools is neither possible nor desirable. These are for the training of the youthful minds in the fundamentals and agriculture, like other special arts and sciences, is beyond their reach. The boys and girls in the common schools are where they are for the purpose of learning how to learn but in this learning their minds should be so trained as to give them an inclination towards the farm and the farm home. To reach this end they should have nature study in abundance and later in the consolidated country school or in the county high school, the elements of agricul-

ture may be taught and the course finished in the agricultural college. Agriculture has no place in the district school but nature study, which leads directly to it, has a large one.

(Continued from page 3.)

There are a number of different makes, but only two distinct types of mole traps. One of low construction works somewhat similarly to a steel trap, and is intended for use in soft, mellow soils, as in green houses, hot beds, etc.; the other is tall and with sharp prongs that are driven down on the mole by a strong spring. This latter is the better one for outdoor use.

To make the use of a mole trap effective you must know something of the animal's habits. He works early in the morning and late in the evening; you cannot catch a mole during the day. I have watched him at work and then killed him by plunging a trowel or other sharp tool down through the surface of the soil.

If you will examine the network of mounds raised by the mole you will note that there are a number of side branches of varying length that lead off from what might be called the main runs. Many of these short runs the mole will never use again. A small amount of attentive study of the mole's work, combined with the determination to catch him, will soon enable you instinctively to select the proper run and so be able to catch the mole nearly every time.

When setting the trap, first press down the soil of the burrow and then place the trap, forcing the sharp prongs down into the soil several times before setting; this to make sure they will enter the soil when the trap is sprung; otherwise the prongs will strike the hard soil suddenly and, instead of penetrating, will only lift the trap and the mole escapes.

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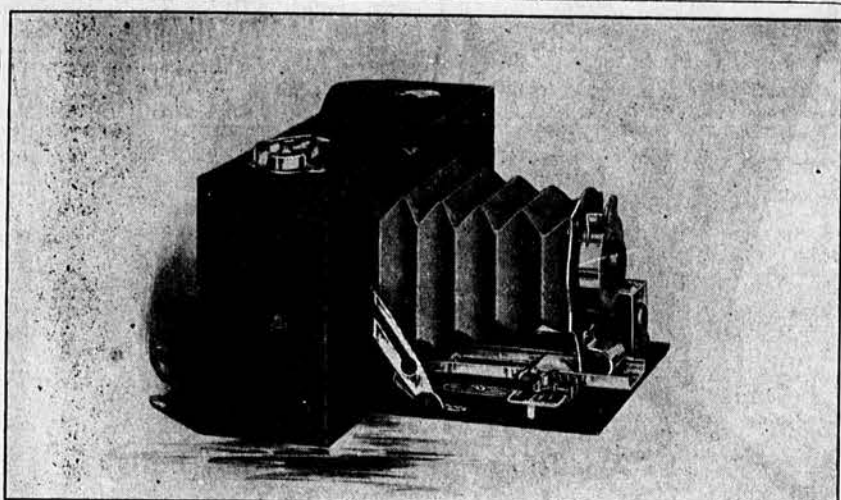
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# HOME CIRCLE



In these days of general prosperity when the farmer is credited with the ability to buy and pay for what he wants; when labor saving machinery is to be found upon every farm; when the young folks secure the advantages of a college training and rural mail routes, telephones and automobiles serve to annihilate distance and bring the farmer into closer relations with his fellow man does the farmer's wife prosper in her own proper sphere, as well? Is her condition improved? Are her labors lightened by modern conveniences and labor-saving machinery? Does she have her own pin money or hold property in her own name? Does she participate in the meetings of women's clubs or farmers' institutes and does she get time to become active in the affairs of the community? In order to get at the real facts concerning the home life and present conditions of the farmers' wives and families and learn whether the general prosperity has benefited them as well as it has their sisters of the towns and cities or their husbands and brothers on the farm, The Kansas Farmer will offer a prize of one year's subscription for the best letter on the home life of the farmer's wife and family. These letters must be signed but the names of the writers will not be printed unless special permission is granted. Address your letters to Editor Home Department, Kansas Farmer.

### The Purchase, Care, and Preparation of Food.

The foods used to give variety to the diet in the home vary with time, place and circumstances, but the staple foods the country over are cereal grains and their products, meat, dairy products, eggs, and the more usual vegetables and fruits. According to the results of a large number of carefully conducted studies in American homes, it appears that meat and poultry supply 16 per cent of the total food material, 30 per cent of the protein, and 59 per cent of the fat in the average American dietary; dairy products 18 per cent of the total food, 10 per cent of the total protein, 36 per cent of the total fat, and 4 per cent of the total carbohydrates; cereals and their products, 31 per cent of the total food material, 43 per cent of the total protein, 9 per cent of the total fat, 62 per cent of the total carbohydrates; and vegetables and fruits, 25 per cent of the total food, 9 per cent of the total protein, 2 per cent of the total fat, and 16 per cent of the total carbohydrates. These figures indicate clearly the relation which the principal agricultural products must of necessity bear to home problems. It is evident that utilization of these staple foods to the best advantage is of great importance to every housekeeper.

Bread, meat and vegetables form a large part of the food of the nation, and their purchase, care and preparation for the table are the themes of Farmers' Bulletin 256 (Preparation of Vegetables for the Table), 375 (Care of Food in the Home), 389 (Bread

and Bread Making), and 391 (Economic Use of Meat in the Home).

These bulletins are not "cookery books," although a large number of recipes for cooking vegetables and meats, and mixing and baking bread are found between their covers, and as each of these recipes has been carefully tested, a cook should follow them accurately the first time, at least, she attempts to use them.

The bulletin on "Bread and Bread Making" has just been issued; the pamphlet on "Use of Meat" was issued March 21, last, while "Care of Food in the Home," was published in November, 1909, and the "Cooking of Vegetables" appeared in 1906. But the four form a set which would be useful to every housekeeper. The instruction contained in these pamphlets could be supplemented by the information in the other sixteen pamphlets treating on the relative value of fish, milk, sugar, eggs, poultry, beans, peas, fruit, potatoes and other root crops, corn and corn products, and meat as food, and the preserving and canning of fruits and vegetables. Copies of all of these publications can be secured by application to Senators, Representatives, and Delegates in Congress; the Secretary of Agriculture; or to the Superintendent of Documents, Government Printing Office, Washington, D. C., who has them for sale at five cents per copy.

### Shirtwaist Design.

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In plowing under a heavy growth, if the furrow is neatly turned over, much of the growth is left as a layer in the bottom of the furrow, and this prevents the passage of moisture and lets the crop suffer in a dry time, but if the ground is well disked before plowing and the growth is more or less cut up and mixed with earth, this partially overcomes the difficulty. If plowed with a mold-board of less than ordinary "dish," the furrow is left more on its edge, and when the disk follows, the organic matter is left better distributed in the soil. With the use of the disk harrow it is not necessary to cover well all trash.—Frank I. Mann, Iroquois county.

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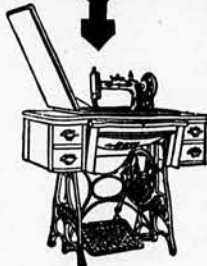
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# HORTICULTURE



## Shade and Ornamental Trees for the Plains.

Any thriving tree is ornamental. Trees vary in this respect, however, and where any considerable range of selection is possible only the most pleasing and permanent kinds should be chosen. The list of trees that are best adapted for this purpose on the plains is not large. This is no excuse, however, for entirely neglecting the matter, as it too often done. The following species should succeed if given good care: Russian olive, a low growing tree with silvery foliage and twigs; black locust, a well known tree of medium height, prickly branches and fragrant pea-like flowers; honey locust, similar to the last but with more finely compound leaves, long, branched thorns, and large twisted seed pods. A thornless form of this tree also occurs. White and green ash; either of these can be depended upon, but the latter is mostly preferred. They are somewhat slow growing, but no tree better withstands the semi-arid conditions. Boxelder, a native tree somewhat like the ash in foliage and form of growth, but in every way inferior in other respects. White willow, a rapid growing, drought resisting tree suitable for nearly all purposes as wind breaks, fuel and street and shade trees. Basswood, a broad leaved tree with fragrant blossoms and soft, white wood, a pleasing tree to plant in sheltered situations near the house or in the shelter belt.

If possible, these trees should be planted in a row wide strip of cultivated land and given the same care as corn. Where this cannot be done, plant each tree in the center of a circular area of soil, at least ten feet across, and cultivate with the hoe and garden rake after each shower. The surface should slope toward the tree so that it stands in a slight depression rather than on a mound or ridge.

Plant two year old trees, watering them when set, and mulch them during the winter with coarse litter or even brush staked down to prevent blowing of the soil and drying out. Protect from all kinds of stock and tie securely to a stake until well established, taking care that the bark is not chafed by the rubbing of the trees against the post or its fastenings. It is also desirable to wrap or otherwise shield the trunks during the first two or three years to prevent sun scald.—Prof. B. O. Longyear, Fort Collins, Colo.

## The Timber Waste in the United States.

In the United States waste in the woods, the mill and the factory is so great that two-thirds of what was in the tree is lost on the way to the consumer. The heaviest part of this loss takes place in the sawmills. Much of this mill waste is unavoidable under present conditions, but the greater the demand for the product and the higher its value, the better will economy pay. Waste in manufacture is very small compared with that at the sawmill. Study of the demands of the wood-using industries may be a means of finding out how the mill may profitably market a part of what now goes to the burner in sawdust, slabs and trimmings.

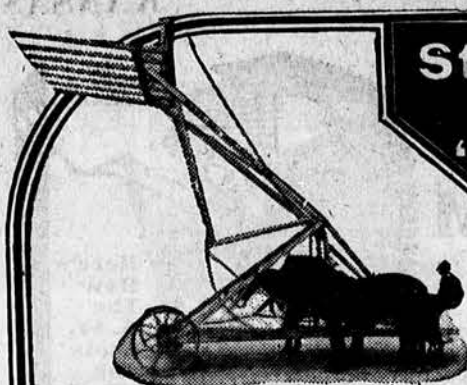
The present aggregate population of the four states, Massachusetts, North Carolina, Maryland and Wisconsin, is estimated by their respective state officials to be 9,165,975; the population of the United States in

## Legality of Wills.

Every person is interested in the disposition of his property at his death and should know absolutely that it will be received by those whom he desires to have it, without trouble or expense. Nathan O. Tanquary, Continental Bldg., Denver, Colo., for more than 20 years has made a specialty of the law concerning wills, estates and diversion of property. No will drawn by Mr. Tanquary has ever been broken. All inquiries by mail or in person are treated with the utmost confidence and given careful personal attention.

round figures is 90,000,000, according to recent estimates. The average lumber cut in the four states for 1907 and 1908—the one an active, the other a dull year—was 3,753,293,000 feet, and for the United States it was 36,740,261,000. Calculated on this basis, the per capita use of sawn lumber in the four states was 410 feet, and in the United States 408 feet. The per capita use in the four states of lumber further manufactured was 263 feet. These figures indicate a lavish use of lumber in the United States, for our per capita consumption is from three to ten times that of the leading nations of Europe.

It is astonishing when one realizes the extent to which cement has entered into the daily lives of the farmers. A recent trip through the country showed an almost universal application of this new "rock of ages" to economic uses. Floors, foundations, feeding platforms, dipping tanks, steps, walks, paving, buildings, cistern and well covers and one farmer, more enterprising than his fellows, made a cement hog wallow which can be readily drained and cleaned.



## Stack Your Hay the "Combi" Way

A boy, with a "Combi" Stacker, does the work of several men. It solves the hired help problem; makes things easy for hay growers who are short on help.

## The Dain "Combi" Stacker

### The Great Combination Rake and Stacker

The most practical, portable stacker ever operated. Saves man-hire and horse-flesh. Cleans up hay from swath, windrow or cock, and delivers it all on top of stack, without backing horses. Does it with less labor than accomplished by any other method. A 14-year-old can operate a "Combi," it's so simple and efficient. It's all controlled by driver. Teeth of rake pressed close to ground by foot lever. Forward motion of team thrusts teeth under hay. Load then raised to any height by means of drum and steel cable and locked there by automatic friction brake without even stopping the team. Hay is deposited onto stack by

drivertippingteeth with hand wheel. Teeth are lowered ready to pick up next load while either standing still or driving ahead, by releasing friction brake foot lever.

Like all Dain Hay Tools—Mowers, Side Delivery Rakes, Hay Loaders, Stackers and Sweep Rakes, the "Combi" is built by experts on scientific principles that are an absolute guarantee of capacity, ease of operation, strength, durability and real economy. Make hay with Dain Hay Tools—the standard by which all others are judged. Send for booklet "All About Hay." Do it at once.

DAIN MFG. CO., 836 Vine Street OTTUMWA, IOWA



## FIRE! FIRE!! FIRE!!! Water! Water! QUICK!

Every Farmer Owes It to Himself and His Family to Investigate This Wonderful Pumping Engine, Which Gives FIRE PROTECTION, Day and Night!

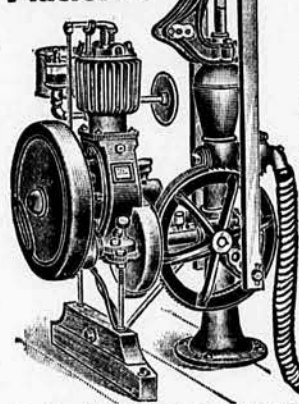
Here's Fire Protection, day and night, for farmers everywhere.

This powerful little pumping engine is a fire fighter, tried and true. Fits any pump. Works in any well. No belts, shafts, arms, anchor posts or special platform needed. It's a Fire Department and an Insurance Policy—always on guard and ready for instant action. Plays a strong stream of water on the blaze before it has time to gain headway. Throws water higher than a house or barn or 60 feet on the level. Beats any "bucket brigade." Saved a California home from destruction by fire just a short time ago. Absolutely indispensable to the safety of life and property on the farm. Yet fire protection is only a "side line" of this greatest of all small engines.

## Unlimited Water Supply for House, Barn, Feed Lot! Runs Hand-Power and Foot-Power Machines!

The engine pumps 800 to 1,000 gallons per hour. Provides an abundance of pure, fresh water for stock and domestic uses. Irrigates gardens, waters lawns, washes buggies, automobiles, etc. Raises large volumes of water to storage reservoirs. Has 4-inch pulley for running hand-power or foot-power machines, such as cream separators, churns, feed cutters, washing machines, fanning mills, clipping machines, grindstones, etc. And it costs no more than a windmill!

Fits Any Pump!  
No Belts!  
No Arms!  
No Shafts!  
No Jacks!  
No Towers!  
No Special Platform!



## The Fuller & Johnson Farm Pump Engine

### All Complete As it Comes to You!

Nothing to build—no "extras" to buy. It is a complete Portable Power Plant. Gets busy inside of 15 minutes after removal from the packing box. Fits any pump. Out-pumps largest windmills! It is air-cooled, without fans or attachments. As high grade as best automobile engines. Starts or stops on the instant. Self oiling. Runs without sparks, flame or odor. Needs no attention while running. Cannot freeze or overheat. A child can operate it. Easily removed wherever its power is needed.

### Think of It! All for a Few Cents a Week!

The engine does all this hard work at a cost for fuel of only a few cents a week. Pays for itself many times over in saving of time, muscle and money.

Users in every state delighted with its wonderful work. If farmers realized what a load of hard work this energetic little pumping engine lifts from their shoulders we would be buried so deep under rush orders that we couldn't see daylight for months. We are kept on the jump right now to supply the tremendous demand.

### Send for FREE BOOK This Very Day!

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Send at once for the extraordinarily interesting book. Get acquainted with the little Farm Pump Engine. It makes fast friends because it actually "delivers the goods." Ask for name of nearest dealer who has this engine on exhibition.

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We build seven sizes of Horizontal Engines—Self-Contained, Stationary and Portable. Our "F. & J. System" of Open Water Jacket construction is a revolutionary improvement that places water-cooled gasoline engines in the first rank as cheap power-producers. Catalog of larger engines on request. (102)

Fuller & Johnson Mfg. Co. (Est. 1840)  
838 North Avenue Madison, Wis., U. S. A.

Pat. June 15, 1909. Others applied for.

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☐ High-Powered Engine Catalog

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Address \_\_\_\_\_



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Here's How The A. W. Fools The Wind-Storm

### Is Absolutely Self-Regulating

It runs smoothly and evenly. No noise in light or heavy winds. Vaneless. No slamming of vane against wheel. Works better in light winds than other mills. No jar when coming into or going out of wind. Costs less at start and practically nothing for repairs during a lifetime's service. More powerful than others. No side-draft and little down-draft. Fully guaranteed in every way. The

### Althouse-Wheeler Vaneless Windmill

is the mill that insures proper service in all winds and weather. Nothing to break or wear out. Best materials and workmanship. Tested and rigidly inspected before leaving factory. Backed by over 40 years perfect service on thousands of farms, and you are further protected by our liberal guarantee. Send postal now for full information or ask your dealer for interesting Free Book. Address

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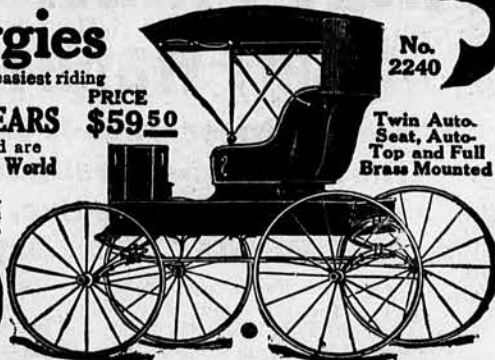
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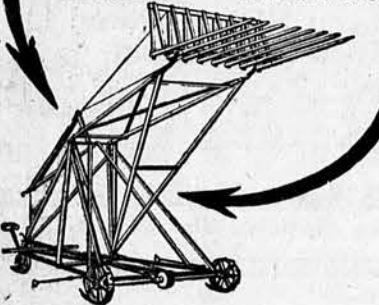
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# THE FARM



### Kansas Crop Conditions.

SECRETARY F. D. COBURN, STATE BOARD OF AGRICULTURE.

The following is a report issued today by the Kansas Board of Agriculture, the result of a comprehensive and searching inquiry into conditions of the state's winter wheat and oats as they were April 20. It is a consensus of opinions of the growers especially, supplemented by those of grain men, millers and others closely observed at short range and well informed, in every neighborhood, particular attention having been given to those counties sowing the larger areas:

Reports of correspondents indicate that the area sown to winter wheat in the fall of 1909 approximated 6,478,000 acres, or more by about 93,000 acres than in the fall preceding. Of the total area it appears from the reports that 30 per cent is such a failure that the ground will be devoted to other crops, quite a considerable portion of it being already sown to oats. Deducting this 30 per cent leaves 4,532,000 acres standing, on which the condition averages, for the state, 76 per cent, 100 representing a good average stand and satisfactory condition.

This failure of nearly a third of the area sown is ascribed principally to "winter killing," although there is much diversity of opinion as to the specific cause, some saying the wheat was "smothered by the long-continued coating of ice," others that it was the "severe freezing when the ground was over-saturated," and still others ascribe it to the alternate "freezing and thawing," upheaving the soil and leaving the plant roots exposed or broken. These, together with wind and dry weather in some portions, constitute some of the disadvantages the fall sown wheat of 1909 has contended with. A dozen reporters, all told, state that some damage should be charged to the chinch bug.

Killing the Kansas wheat crop by gentlemen with whom killing is a business, or who obtain sustenance, notice or notoriety only through proclaiming the discovery, invention or presence of some new destroyer, is now being industriously carried on by telegraph. As a season progresses and the crop killers discover themselves lacking other resource they proceed to find in some alleged insect, such as the green bug or malodorous chinch, ready mount upon which to ruthlessly charge across and lay waste a five or six million acre wheat field, leaving behind (in the newspapers) little but desolation and distress. These gentry have now sounded "boots and saddles" for the chinch bug brigade in Kansas, and what they will intend as terrifying yells are likely to be heard around the world. The public will do well to remember that while the yells of these night riders may be disturbing they never affect actual yield.

Owing to dry weather in the fall the sowing of wheat was delayed in many localities, and considerable that will now be given over to other crops was that planted unusually late, and on fields poorly prepared.

Of the notable wheat-growing counties, Marion and McPherson report the largest percentages abandoned, amounting in Marion to 95 per cent

of the total sown, and in McPherson 90 per cent. Other counties in the so-called "wheat belt" that show large losses are Dickinson 75 per cent, Harvey 70 per cent, Saline 62 per cent, Rice 58 per cent, Clay 54 per cent, Ellsworth 50 per cent, Sumner 49 per cent, Ottawa 45 per cent and Sedgwick 43 per cent. These are located in or near the central third of the state, a region excellently adapted to corn and oats, and these two crops will occupy most of the abandoned wheat ground. Mention of sowing spring wheat where the winter varieties proved a failure is made in about a dozen counties, and peculiarly enough 10 of these counties are in the eastern part of the state, where spring wheat is admittedly unsatisfactory and regarded with disfavor. What incentive there could be for sowing spring wheat, with its unreliability and undesirability, rather than planting corn in such premier corn-growing counties as Marshall, Pottawatomie, Nemaha, Shawnee, Atchison and Brown, as reports indicate has been done, in a small way to be sure, is not made apparent.

A block of about a dozen counties in the northeastern corner of the state, not, however, conspicuous for their aggregates of wheat, experienced very discouraging conditions, resulting in complete failure in many neighborhoods, amounting to 96 per cent of the area in Jackson county. Generally the smaller losses were in the western half and southeastern corner of the state, as are, likewise, the better average conditions of the growing winter wheat, the highest being 95 in Comanche, followed by 94 in Clark and Seward, and 92 in Edwards and Hodgeman.

In the main soil conditions are reported moderately favorable for spring planting, although reporters in eight or ten counties in the northeastern quarter of the state, and perhaps half as many more in the western portion, say that the situation is unfavorable on account of dry weather.

While no figures are available at this time on the area of oats sown, their condition for the state is 83 per cent.

(Continued on page 9.)

### WITTE ENGINES

USE GAS, GASOLINE OR KEROSENE

Are known by a superior standard of construction. 25 years of service has demonstrated their worth. Does work at lowest cost and is always ready to saw, grind, pump, shell or do any farm or shop work.

**FIVE YEAR BOND GUARANTEE**

We build all sizes in stationary or portable type. Hopper jacket or water tank cooling. Inducements to introduce in new localities. Write stating size wanted.

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No Capital Necessary

Write For Particulars Give Reference

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Write Us For Catalogue of the FAMOUS

### Baker Plow and Threshing Engines

They will develop more power on less fuel and water than any other engine built.

We are Manufacturers of the

### PRAIRIE QUEEN SEPARATOR

The HARD WHEAT SPECIAL. It will save a greater per cent of the grain than any other separator on the market today.

We can deliver separators and engines on short notice.

**The Prairie Queen Mfg. Co.,**  
Newton, Kan.



The table below shows by counties the probable area of winter wheat sown in each last fall, the per cent estimated as a failure, and the per cent of present condition (based on 100) for the remainder:

Probable Acreage.	Failure Per Cent.	Condition of Remainder Per Cent.	Counties:
Allen.	10,474	25	64
Anderson.	5,619	30	66
Atchison.	37,456	70	66
Barber.	46,795	10	78
Barton.	261,068	27	75
Bourbon.	3,892	19	75
Brown.	33,354	94	55
Butler.	4,218	42	75
Chase.	3,971	86	58
Chautauqua.	3,265	8	73
Cherokee.	25,435	5	78
Cheyenne.	22,604	26	78
Clark.	41,115	7	94
Clay.	81,613	54	58
Cloud.	90,404	25	65
Coffey.	19,126	41	66
Comanche.	31,661	5	95
Cowley.	28,732	23	65
Crawford.	15,332	5	83
Decatur.	119,784	20	78
Dickinson.	103,044	75	45
Doniphan.	25,977	65	56
Douglas.	22,387	33	70
Edwards.	117,434	6	92
Ellis.	2,392	10	74
Ellis.	179,717	25	77
Ellsworth.	183,063	50	57
Finney.	22,254	40	61
Ford.	170,830	10	89
Franklin.	8,327	20	67
Geary.	15,240	83	45
Gove.	73,697	27	90
Graham.	107,455	10	86
Grant.	2,135	44	53
Gray.	42,013	18	80
Greeley.	2,311	10	75
Greenwood.	1,410	20	73
Hamilton.	2,423	20	75
Harper.	111,768	18	74
Harvey.	70,699	70	57
Haskell.	15,177	25	83
Hodgeman.	53,153	28	92
Jackson.	23,958	96	60
Jefferson.	23,670	56	55
Jewell.	45,159	16	82
Johnson.	32,449	5	81
Kearny.	6,391	10	83
Kingman.	94,085	29	60
Kiowa.	102,235	10	90
Labette.	14,087	5	70
Lane.	70,542	28	70
Leavenworth.	38,503	25	69
Lincoln.	108,582	40	65
Linn.	9,656	1	91
Logan.	39,352	15	84
Lyon.	14,048	73	66
Marion.	75,787	95	22
Marshall.	63,124	83	75
McPherson.	161,003	90	51
Meade.	68,284	5	89
Miami.	29,559	10	78
Mitchell.	105,591	20	65
Montgomery.	20,464	2	85
Morris.	8,661	90	45
Morton.	890	50	75
Nemaha.	27,168	90	50
Neosho.	12,615	19	71
Ness.	81,325	23	70
Norton.	90,297	10	82
Osage.	12,791	70	60
Osborne.	103,219	10	85
Ottawa.	103,991	45	60
Pawnee.	217,641	10	87
Phillips.	100,413	13	80
Pottawatomie.	10,829	81	66
Pratt.	171,925	15	78
Rawlins.	104,890	15	85
Reed.	193,646	27	65
Republic.	39,256	47	52
Rice.	133,006	58	60
Riley.	12,610	73	59
Rooks.	149,049	12	87
Rush.	214,909	15	84
Russell.	144,622	20	73
Saline.	109,506	62	62
Scott.	32,953	14	82
Sedgewick.	103,126	43	59
Seward.	35,616	10	94
Shawnee.	12,092	60	57
Sheridan.	116,464	16	80
Sherman.	16,694	2	80
Smith.	78,540	10	59
Stafford.	175,368	15	76
Stanton.	3,141	50	78
Stevens.	7,427	10	88
Sumner.	160,106	49	57
Thomas.	145,441	15	77
Trego.	98,752	26	61
Wabaunsee.	15,980	89	57
Wallace.	1,932	10	75
Washington.	61,659	57	56
Wichita.	20,841	9	82
Wilson.	9,798	26	66
Woodson.	3,301	23	48
Wyandotte.	9,248	13	81

Kansas Winter Wheat.

Years:	Acres Sown.	April Condition on Area Standing.	Total Yield, Bushels.
1905.	5,835,237	95.4	75,842,659
1906.	6,239,041	89.5	91,157,411
1907.	7,051,882	84.0	73,233,907
1908.	6,831,811	91.4	76,405,500
1909.	6,384,875	88.05	80,226,704



## Spring Work

is hard work. The horse that has had a comparatively easy time in winter is frequently galled by saddle or collar while hauling heavy loads. Not only for the profit from the horse's labor but for the comfort of the beast get a box of Columbia Healing Powder. Its effect on sores is magical. If your dealer can't supply you send us his name and we will mail you a sample.

The F. C. STURTEVANT CO.,  
HARTFORD, CONN.



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Burnham, Hanna-Munger D. C. Co.  
Kansas City, Mo.

# Lightning Proof Forever —and Insured!



That means your home and buildings when they are equipped with Shinn Heavy Pure Copper Cable Lightning Rods!

W. C. Shinn's legally binding guarantee which you get as soon as your rods are up, insures you the return of your money to the extent of the making good to you for damage caused by lightning. And that guarantee is backed by Mr. Shinn's \$75,000 bond! The bond guarantees to you that every promise and guarantee in this ad or any other Shinn ad will be fulfilled to the letter. \$75,000 is deposited in the bank to vouch for every guarantee!

Don't wait until the storm threatens—go to your dealer today for

## Shinn Heavy Pure Copper Cable Lightning Rods

It is the rod backed by judgment of thousands of American farmers! See its 3 cable strength! Its 32 strands! and the wonderful double cable in the center that balks the bolts! The Shinn process gives this valuable rod the greatest possible electrical carrying power. That means that the biggest bolt that ever

wrecked a building is absolutely harmless to you when Shinn rods guard your home and buildings!

Shinn Rods are made by special processes which make them the only absolutely infallible rods in existence. They are the only rods having maximum conductivity! All this at lowest cost!

### Lightning Arrestor for Telephones

Here is absolute protection to telephone users. No shock possible. Protects against lightning running in over long distance on the telephone wires—protects against every form of lightning. Saves telephones, avoids fires, and guaranteed not to interfere with the strength of the telephone.



Protects forever. Is automatic! No lever! Just have a Shinn lightning rod dealer attach it to the telephone.

### Here's the Wonder Book—FREE!

A postal will bring you Mr. Shinn's own masterpiece—"Lightning and How to Control It"—the most wonderfully fascinating book ever written on nature's lightning laws.

It tells how protection can be secured easily at low cost; how houses and barns take fire; how people and stock perish and about household articles that attract lightning bolts.

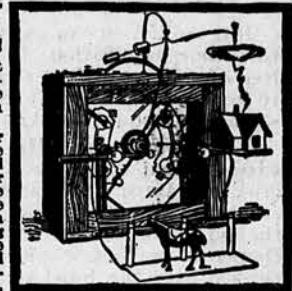
This book will be given to every reader of this paper for the asking. Better send that postal today. Address

W. C. Shinn

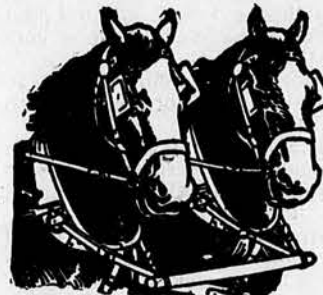
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My collar is the most economical collar you can buy. It will positively last a lifetime—and it costs less than other collars, hames and pads. I want you to try a pair of my

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Fred Slocum, General Manager, JOHNSTON-SLOCUM COMPANY, 550 State Street, Caro, Michigan



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The Horse-Collar Man

Don't bother yourself, waste money and torture your horses with old-style leather collars and hames. Just leave it to me. Send me your name and address.

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Here is a chance for some one wanting to go into business. If you will hurry, a \$10,000 stock of goods for sale at 90 cents on the dollar. Have to sell on account of health. Located in a town of 2,000 people, surrounded by farming country.

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ELMER F. BAGLEY, Secretary,  
Columbian Bldg., Topeka, Kan.



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But see if you can get any other separator manufacturer to make you this same proposition. If you can you will either get his machine or ours free of all cost. If you can't, you will know what machine is conceded to be the best by all manufacturers—men who ought to know.

The Iowa actually does skim closer than any other. It skims cold milk to a trace. It is easiest to clean because the milk drains out of the bowl at the end of the run and water run through cleans it so that a piece of clean linen rubbed over the bowl any place will not show the slightest soil. It is easiest to turn and it is the most durable.

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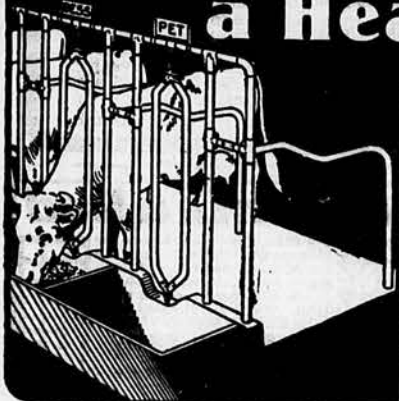
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# DAIRY



### Suggestions for Improving Quality of Cream.

1. As soon as the empty cans have been received the covers should be removed and cans should be inverted in pure air and sun until wanted for use. In that way undesirable odors, which are generally noticed in cans that have been covered for any length of time, are destroyed. Before cans are used they should be rinsed with fresh, cold water to remove dust that may have located on the inside.
2. Milk pails, strainers and separators should be washed each time after they have been used, and placed outdoors in the sun the same as the milk cans, and rinsed with fresh, cold water before they are used again.
3. Use no dry dusty feed just previous to milking; if fodder is dusty sprinkle it before it is fed.
4. Do not allow any strong flavored food like garlic, cabbage and turnips to be eaten except immediately after milking.
5. Wipe the udder with a clean damp cloth or sponge just before milking.
6. The milker should be clean in every respect; he should wash and dry his hands just before milking, and never allow the hands to come in contact with the milk.
7. Do not use the milk within 20 days before calving nor for three to five days afterwards.
8. If in any milking a part of the milk is bloody and stringy or unnatural in appearance, the whole mess should be rejected.
9. Strain the milk through a metal gauze as soon as it is drawn, or before it goes to the separator.
10. Skimming must be done at a place where the atmosphere is pure.
11. Immediately after skimming have the cream cooled by placing the pail with cream into fresh, cold water and stirring the cream until the temperature is very near that of the water.
12. Never mix warm and cold cream together; if you do it will all sour. Cool cream from each milking separately and mix when it is cool.
13. Leave the cream in fresh, cold water at a place where the atmosphere is pure, until ready for shipping.
14. Skim rich cream, cream that tests about 40 per cent is preferable. Rich cream is easier cared for than thinner cream; there will be more milk left at home for feeding purposes, and transportation expenses will be reduced.—Bulletin.

### The Pure Bred Sire.

How many of you have herds that will average more butter-fat per cow than your father's herd did, or perhaps than did your grandfather's herd?

You can't depend altogether upon the raise in price of land for your profits, not only because many of us don't own any land, but because in many localities land has reached such a price that most of the money to be had from this source has already been made. It takes a better farmer to make money on one hundred or one hundred and fifty dollars an acre land than it does on forty dollars an acre land.

Have you made any improvement upon your father's methods of handling his dairy herd? Are you taking any steps to insure the heifer calves you are raising being better milk and butter-fat producers than their dams? If you are using a "scrub" or a "beef bred" sire and hoping to have a herd of profitable dairy cows, your results will certainly not be very gratifying. The task of building up a profitable dairy herd must begin with the sire. Without a pure bred sire, with the ability to get calves capable of producing milk and butter-fat economically, all other efforts to improve your dairy herd must fail. The skillful breeder of any class of live stock realizes the importance of having a properly selected sire to head his herd. The average dairyman, however, gives this important subject little thought and makes use of a scrub sire because of the idea that it is cheaper to do so, or because his father got along all right with a scrub sire and he, himself has not given the matter much thought. The scrub sire and the unprofitable cow go hand in hand in retarding dairy progress; where you find one you generally find the other. It is not necessary that every farmer have pure bred cows of a dairy breed in order to have a profitable dairy herd for high grades are just as efficient producers.

The following shows very distinctly the rapidity with which the qualities of the sire accumulate in the high grade:

Generation.	Blood.	Fat Per Cent Improved.	Per Cent Unimproved.
1	1/2	50.	50.
2	3/4	75.	25.
3	7/8	87.5	12.5
4	15-16	93.75	6.25
5	31-32	96.87	3.12
6	63-64	98.43	1.56

This shows very well the truth of the often heard statement, "The sire is one-half the herd." It does not mean, however, that the same sire must be used throughout the six generations. This illustration is true whether or not a change in the sire is made. With the properly selected pure-bred sire used on the common cows found in the average herd, the improvement will be much more rapid and the sire will be a great deal more than one-half the herd. His being pure bred gives him greater power to stamp his characteristics upon the off-springs than can the grade cow.

Up-to-date dairymen are beginning to realize the value of pure bred sires in increasing the production of the herd and decreasing the cost of producing butter-fat. Do not be afraid to pay a good price for a pure bred sire to head your herd and never buy a sire because the cost in dollars and cents is low for you will surely realize some day that his actual cost was indeed very great. If he is a sire that will produce daughters that have milking qualities developed to a high degree, the cost should be of secondary importance.

Valuable information as to the importance of the sire in improving or injuring the productive capacity of the herd can be had from a study of the dairy herd records of the State Agricultural College of Missouri.

By comparing ten daughters of a sire with their dams, it was determined to what an extent these daughters were influenced by their sire, that is whether or not they were superior

Do not try to become a dairyman unless you are or can become a master of detail. It is looking after the multitude of little things more than anything else, that wins.



## LET THE COWS PAY FOR IT

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Pay \$5 at time of purchase and \$5 a month until paid for in full. That is practically making the cows pay for a

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producers to their dams. It was found that ten daughters of one sire average 216 pounds of butter-fat yearly; while their dams average 234 pounds yearly. It can readily be seen that this bull decreased the average production of the daughters 18 pounds under that of their dams. With another sire that was used there was no decrease or increase, the herd being at a standstill. Another sire which was used increased the average production of ten daughters 110 pounds of butter-fat per cow over that of their dams. This 110 pounds of butter-fat at an average price of 25 cents per pound would make \$27.50 that each daughter earned in excess of the earnings of her dam. Counting on the same basis 50 cows milked six years, we have \$4,950 worth of butter-fat produced by the daughters in excess of that produced by the dams. You can readily see what the great value of this bull would have been had he been owned by a small association of neighboring patrons. He would have been cheap at one thousand dollars; while the other two bulls mentioned would have been expensive at \$10.00 because they left the herd in a worse condition than they found it. There is no question but what many farmers are lowering the productive capacity of their herds every generation on account of their paying no attention to the selection of sires.

Investigations carried on in some Indiana herds by the Indiana Experiment Station showed that herds in which pure bred sires were used were producing butter-fat on an average of 3 1/2 cents cheaper than herds which were ungraded. While the average profit per year from the ungraded herd was \$19.62 per cow that of the graded herd was \$35.04 per cow. On an average the graded herd produced 64 pounds of butter-fat per cow more than the ungraded herd. There is no question but that the purchase of a pure bred sire would be one of the best investments that could be made.

In selecting the sire first decide on the breed which you think will be best suited for your conditions. Then stick to this breed. The value of the sire must be based solely on his ability to get high producing heifer calves. There are two courses open to a man who wishes to select the proper sire to grade up his herd. Select a young, untried sire and judge from his form and the records of his dam and grand dam as to his ability to transmit dairy qualities, or select an old sire that has been tried and found to have the ability to transmit milking qualities to his daughters. The desirable sire should have high producers in his ancestry. His dam, and grand dam especially, should be superior individuals, also the dam of his sire.

In studying herd records it is well to pay more attention to year records than to records for short periods of time, such as 7-day and 30-day. Although many dairymen prefer a young bull, of course there is some uncertainty as to his power to transmit dairy qualities. The most skillful breeders are often on the lookout for aged bulls, which have sired daughters of merit. They, of course are hard to get and are often expensive because their great value is known to their owner, if he is a wise breeder. Many dairymen sell the bull or beef after he has been used two or three years without seeing any of his daughters in milk. Many good bulls no doubt are lost in this way. There are certain characteristics of form which should be present in the sire. He should have a strong, masculine appearance, strong constitution and vitality and be a good type of the breed he represents. He should have a lean, clean cut face, with wide muzzle, strong jaw and large bright eyes. His ribs should be long, well sprung and wide apart, giving him an open conformation. His abdomen should be large and deep with strong navel development, indicating feeding capacity and vitality. His hide should be loose, pliable, of medium thickness, not thick and meaty, nor thin, dry and papery. The rudimentary teats, which are found just in front of the scrotum, should be large, squarely placed and wide apart. This is considered very important by many judges, as large well balanced and well shaped udder on the cow is largely due to the way the rudimentary teats of the sire are placed. If they are crowded close together, the result will be a narrow pointed udder on the daughter. When we speak of prepotency, we refer to the ability which the sire has to transmit his characteristics, or those of his

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ancestors, to his progeny. It is indicated by the vigorous appearance and a strong, resolute bearing and an abundance of nervous energy.—Blue Valley Bulletin.

### Soiling Crop Suggestions.

The importance of every dairyman of being able to take his herd through the hot dry months of the summer season when pastures are brown with dry weather and flies are pestering the cattle, is a problem that has not been duly considered in its true relation to commercial dairying and the importance of a good flow of milk through July, August and September.

This is the situation: The majority of dairymen produce the greatest quantity of milk during the months of the year when the market offers the lowest price, and correspondingly they also produce the least quantity during the months when the market pays the highest price. The dairymen should control production, holding it to a more uniform quantity throughout the year. This illustrates the two extremes as influenced by production; however along with this comes the question, how to keep the cow milking when the pasture is poor.

During the past two years dairymen

have encountered several weeks of drought in the midst of summer, reducing the growth of hay, and completely drying up the pastures, so that cows freshening during the spring months have not produced a normal quantity of milk for the reason, in consequence of the drought, causing a heavy loss to dairying.

With the experience of the past two summers fresh in the mind of every dairyman, it sets one to thinking that now is the time to make ready to meet the possible return of a like condition during the coming summer.

This question can be met easily and economically. There are forage crops that will do well in any dairy farm, if proper care and attention is given to cultivation, furnishing a fresh succulent food as early as July 1, and with rotation would continue until frost in the fall. Alfalfa cut green and cured should head the list. Then Kafir corn, sorghum, Indian corn and millet. Any green feed sown early and one-half to two-thirds matured at cutting time will be good.

A herd of 20 cows would require three acres of soiling crop to carry them through six weeks' drought.

Soiling crops will carry the herd through a dry summer, maintaining a normal flow of milk, and keep the cow

in good condition at the same time. The yield of such crops would be sufficient for the purpose for which they were planted, and if there was a surplus, it could be cured and put into the mow for winter feeding.

Don't forget that you are going to try some cow-peas in your corn this year. Plant at the last cultivation or when the corn is laid by, using a one-horse grain drill. By the middle of September these peas will be ready for pasturing with sheep or other stock or they may be plowed under for green manuring. They may be sown after harvest by disking the stubble and then handled the same way. The results will surprise and please you.

The present system of leasing farm land in this country is all wrong. The tenant is frequently allowed to pay his rental in a part of the crop raised though he may pay in cash. In either case he is almost compelled to "skin" the land for his present interest. Leases are given for a short term and no inducement is offered the tenant to build up the farm. He works it for "all there is in it" and the landlord allows him to do so without realizing that the tenant is using up his capital.



# READERS MARKET PLACE

## HELP WANTED.

**FOR SALE**—169 ACRES FAIR IMPROVEMENTS, on reasonable terms. 880 acres of good pasture land. Green Co., Kan., John G. Hinrich, Utopia, Kan.

**WANTED**—ECONOMICAL AND PARTICULAR people to take advantage of our prices and services. Western Printing Co., Ptg., Dept. of Kansas Farmer, Topeka, Kansas.

**LADIES! PAIR OF SELF-SHARPENING** ball-bearing tension, 8-inch nickel plated shears, 30c postal note, sample pair at this price only. Agents wanted. W. A. Steele, Mounds, Okla.

**WANTED**—LOCAL MEN TO TAKE ORDERS for high grade western grown nursery stock. Experience unnecessary. Outfit free. Cash weekly. National Nurseries, Lawrence, Kan.

**WANTED**—LADY OR GENTLEMAN AS local representative in every Kansas county. Splendid chance to make good wages without great effort and no expense. Write for particulars. Address Circulation Department, Kansas Farmer, Topeka, Kan.

**AGENTS WANTED TO SELL OUR COMBINATION** night lock. Two or more needed in every home. Sells at sight, 100 per cent profit to agents. Exclusive territory. Agents' sample. 25 cents. The Western Night Lock Co., 1628 Stout St., Denver, Colo.

**WANTED**—MEN TO LEARN THE BARBER trade; few weeks complete; practical instruction by experienced barbers who know their business and teach it as they know it; extra large outfit of tools given with reduced tuition price; wages while learning; diplomas granted; write for free catalogue handsomely illustrated. Schwarze system of Barber colleges, 30 W. California Ave., Oklahoma City, Okla.; Wichita, Kan.; El Paso, Texas; 15 N. 2nd St., Amarillo, Texas. Address any school.

**LOCAL REPRESENTATIVES WANTED**—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres., The Nat'l Co-Op. Real Estate Co., Suite 473 Marden Bldg., Washington, D. C.

## REAL ESTATE.

**WE CAN TRADE YOUR PROPERTY**—Book of 500 exchanges free. Graham Brothers, Eldorado, Kan.

**NOTICE THE OTHER BARGAINS IN** Real Estate offered under Bargains in Farms and Ranches of this paper.

**FARM LOANS MADE IN ANY AMOUNT** from \$500 up at lowest rates and on most favorable terms. Betzer Realty & Loan Co., Columbian Bldg., Topeka, Kan.

**BUSINESS CARDS, 500 FOR \$1.50**—Prompt service. Send for samples and estimates. Western Printing Co., Ptg. Dept. of Kansas Farmer, Topeka, Kan.

**FOR INFORMATION ABOUT GRANT** County, Okla., write us for Real Estate Bulletin No. Six. J. H. Ruth & Co., Medford, Okla.

**FOR FREE INFORMATION ABOUT LA-**bette Co., Kansas farm lands and Parsons' real estate, one of the best towns in Kansas, write W. C. King, Parsons, Kan.

**FLORIDA WANTS FARMERS—TRUCK,** fruit, dairy and chicken farms cheap, any size. easy terms. Write for free book of facts. Florida Land Co. Chipley, Fla.

**BARGAINS IN LYON COUNTY, FARMS** for sale. Also have some fine exchange propositions. Write us for our new booklet. Hartford Realty & Loan Co., Hartford, Kan.

**WANTED TO TRADE**—A GOOD 160 acre creek bottom farm in Wilson Co., Kan., fairly well improved, for good smooth land in Western Kansas. Address, Lock Box 9, Bendena, Kan.

**WANTED**—FARMS AND BUSINESSES. Don't pay commissions. We find you direct buyer. Write, describing property, naming lowest price. We help buyers locate desirable properties FREE. American Investment Association, Minneapolis, Minn.

**COLORADO IRRIGATED LANDS \$25** and upward per acre. We can quote you prices that will make you some money. A letter of inquiry costs you nothing. Get in touch with us. The Boyle Realty Co., Durango, Colorado.

**GET SOME GOVERNMENT LAND IN** British Columbia, Canada, along the Grand Trunk Pacific Railroad. Level, cleared ready for the plow. Irrigation not required. Citizens of U. S. may take from 40 to 640 acres at \$6.75 an acre. \$1.00 an acre down secures it. Address U. S. Office Prince Rupert Land Syndicate, Ltd., 711 Marion Bldg., Seattle, U. S. A.

## POULTRY.

**WHITE WYANDOTTE EGGS, \$4.00 PER** 100 or 200 for \$7.00. Mrs. H. G. Stewart, Route 1, Tampa, Kan.

**EGGS FROM FINE LAYERS, HEAVY** boned, well Barred Plymouth Rocks, 15 for \$1.00. A. E. Weber, Geneva, Neb.

**SINGLE COMB BLACK MINORCA EGGS,** Northup strain, \$2.00 per 13; \$6.00 per 50 eggs. Fred Kelm, Seneca, Kan.

**ROSE COMB RHODE ISLAND RED** eggs, pure bred; selected range stock, 16, \$1.00; 100, \$5.00. E. Conwell, Onelda, Kan.

**ROSE COMB WHITE LEGHORN EGGS** \$1.00 per fifteen, \$4.50 per hundred. Mrs. C. Dibben, Wakefield, Kan.

**PURE WHITE PLYMOUTH ROCKS CAN-**field Strain. Eggs \$1.00 for 15; \$4.50 per 100. F. C. Swierczinsky, Belleville, Kan.

## Classified Advertising 3 cents a word

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers, hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. The "ads" are easy to find and easy to read. Your advertisement here reaches a quarter million readers for 3 cents per word, for one, two or three insertions. Four or more insertions, the rate is 2½ cents per word. No "ads" taken for less than 30 cents. All "ads" set in uniform style, no display. Initials and numbers count as words. Address counted. Terms always cash with order. Use these classified columns for paying results.

**SINGLE COMB WHITE LEGHORN** eggs. R. W. Yoeman, Lawrence, Kan.

**BUFF ROCKS, EGGS 15, 75c; 50, \$2.00;** 100, \$3.00. W. A. Hildands, Culver, Kan.

**BUFF ORPINGTON EGGS 15, 75 CENTS;** 100, \$4.00. Ellen Shesboraw, Fredonia, Kan.

**TWO BUFF ORPINGTON COCKERELS,** \$2.00 each. Harry Cure, Atchison, Kan.

**S. C. BROWN LEGHORN EGGS—\$1.00** per 15; per 100, \$4.50. J. S. Evans, Manhattan, Kan., 713 Colo.

**ROSE COMB B. LEGHORN EGGS, 100** \$3.50. Range Stock. Elmer Jones, McLouth, Kan.

**S. C. R. I. REDS—EGGS \$1.00 PER 15,** \$3.00 per 50; \$5.00 per 100. Mrs. Emma Leimbach, Nickerson, Kan.

**BLACK LANSHANS—EGGS \$1.50 PER** 15; \$7 per 100. Baby chicks, 15c each. Mrs. Geo. W. King, Solomon, Kan.

**ROSE COMB B. L. EGGS—\$1.00 PER** fifteen, \$4.00 per hundred. Mrs. J. B. Smith, Cuba, Kan.

**WHITE WYANDOTES EXCLUSIVELY**—\$1.00 per 15; \$3.50 per 100. Dora Y. Eustace, Wakefield, Kan.

**BUFF LEGHORN EGGS—PENS \$1.50** per 15; range, \$1 to \$5 per 100; Mrs. John Wood, Solomon, Kansas.

**SINGLE COMB WHITE LEGHORN** eggs and stock for sale. Wyckoff strain. Mrs. Mabel Sullivan, R. 1, Abilene, Kan.

**ROSE-COMBED BROWN LEGHORN** eggs from four prize-winning pens; high-scoring, vigorous, farm raised, best laying strain. Mrs. John Holzberg, Bendena, Kan.

**PURE S. COMB BROWN LEGHORNS—**Eggs from prize-winning stock. Eggs safely packed 30 for \$1.50; \$4.00 per 100. A. G. Dorr, Osage City, Kan.

**100 BARRED ROCK CLKS. AND FE-**males, prize-winning strain, 85 premiums, 30 yrs. experience. Eggs, \$2 per 15; \$5 per 50. Chris Bearman, Ottawa, Kan.

**FINE BARRED ROCKS—GOOD LAY-**ers, farm range, eggs, \$1.00 for 15 or \$1.75 for 30, or \$5.00 per 100. Mrs. John Yowell, McPherson, Kan.

**BARRED ROCKS—63 PREMIUMS, EGGS** \$1.00 for 15, \$5.00 for 100. Exhibition matings, \$3.00 for 15, \$5.00 for 30. W. C. Opfer, Clay Center, Kan.

**CORNISH INDIAN GAME, STOCK FROM** imported birds last year. Eggs, \$1.50 per setting of 15 or \$6.00 per 100. Mrs. J. H. Drury, Fullerton, Neb.

**SINGLE COMB RHODE ISLAND REDS,** eggs, \$2.00, \$3.00 and \$5.00 per 15; none better; my show record tells the story. Chas. E. Lentz, Atchison, Kan.

**PALMER'S BLACK LANGSHANS WON** every first in class Kansas State Show, 1910. Stock for sale. Eggs \$3 for 15. H. M. Palmer, Florence, Kan.

**EGGS FROM SCORED ROSE COMB** Rhode Island Reds. Red to the skin, \$1.50 per 15; \$8.00 per 100. Mrs. E. C. McCarthy, Elliott, Iowa.

**BARRED ROCKS EXCLUSIVELY; BIG** fellows with yellow legs. Eggs fifteen \$1.00; hundred, \$5.00. James McCutcheon, Marquette, Kansas, R. 1.

**BARRED PLYMOUTH ROCKS (EX-**clusively)—Choice, healthy stock. Selected eggs, 100, \$4.00; 50, \$2.50. Safe delivery and satisfaction guaranteed. Adam A. Weir, Clay Center, Neb.

**PRIZE WINNING WHITE ROCK EGGS,** \$1.00 per 15, \$5.00 per 100. Pekin Duck eggs, \$1.00 per 15. L. T. Spellman, Paola, Kan., Route 3.

**NINE YEARS A BREEDER OF R. C. R.** I. Reds, 15 range eggs, \$1.00; 100, \$5.00, choice pen eggs from high scoring stock, \$2.00 per 15; \$5.00 per 50. Mrs. B. F. Weigle, Winfield, Kan.

**ROSE COMBED RHODE ISLAND REDS—**Extra good stock, farm raised, free range, carefully packed eggs, \$1.00 for 15; \$5.00 for 100. Ella Kirkpatrick, Westphalia, Kan.

**EGGS AND DAY OLD BABY CHICKS—**From Johnson's Laying Strain, R. C. Brown Leghorns, 15 eggs, \$1.25; 100 eggs, \$5.00; chicks, 20c each. Send for circular. Mrs. H. M. Johnson, Formosa, Kan.

**RHODE ISLAND REDS—BOTH COMBS.** All stock sold we can spare this season. Ten matings to furnish eggs for hatching. Guarantee on eggs. Mating list with show record free. H. A. Sibley, Lawrence, Kan.

**GALVA POULTRY YARDS—R. C. W.** Leghorns and White Wyandottes. Some stock for sale and eggs by the setting or hundred. Prices reasonable. John Ditch, Prop., Galva, Kan.

**EGGS! EGGS!—FROM 18 VARIETIES** thoroughbred poultry, geese, turkeys, Pekin, Rouen, Muscovy and Indian Runner ducks, pearl and white guineas, bantams, dogs, all kinds of fancy pigeons. Hen's eggs, 15 for \$1.00. Write for free circular. D. L. Bruen, Platte Center, Neb.

**WHITE WYANDOTES—BRED UP TO** date. Eggs for hatching. S. W. Artz, Larned, Kan.

**PURE BRED BUFF ROCKS—FARM** raised; eggs, \$1 for fifteen, or \$4 per hundred. Mrs. W. Lovelace, Muscotah, Kan.

**EGGS FROM A FINE LAYING STRAIN** of Rose Comb Brown Leghorns. Mrs. J. E. Wright, Wilmore, Kan.

**WHITE PLYMOUTH ROCKS, FARM** raised. Eggs, \$1.00 per 15. Safe arrival guaranteed. A. F. Huse, Manhattan, Kan.

**BUFF COCHINS—EGGS, \$1.50 FOR 15.** W. T. Garner & Sons, Maple Lawn Stock Farm, Crossville, Ill.

**INDIAN RUNNER DUCK EGGS IM-**ported stock. Barred rocks and Single Comb Reds. F. L. Reinhard & Son, Ottumwa, Iowa.

**WHITE PLYMOUTH ROCKS—EXCLU-**sively—large birds, good layers, farm range. Eggs May 1st, \$4.00 per 100; \$2.50 per 50. Etta L. Willett, Lawrence, Kan., R. R. 5.

**EGGS FROM CHOICE WHITE WYAN-**dottes with splendid show record reduced. 15, \$1.00; 30, \$1.75; 100, \$6.00. Beatrice Stock & Poultry Farm, Beatrice, Neb.

**S. S. HAMBURG AND WHITE WYAN-**dottes, winners of firsts wherever shown. Winning 73 firsts in 2 years, six of the shows attended being State Shows. Eggs from pen 1 (Hamburgs) \$3 for 15. Eggs from pen 2 (Hamburgs) \$2 for 15. Eggs from W. Wyandottes, \$1.50 for 15. W. S. Binkley, Clay Center, Kan.

## CATTLE.

**SEE US BEFORE PLACING YOUR** stock catalog printing. Western Printing Co., Ptg., Dept., Kansas Farmer, Topeka, Kan.

**FOR SALE—FOUR FINE YOUNG HOL-**stein bulls from 5 months to 2 years old. Finest milking strain. Full blood but not registered. Prices right. O. E. Walker, Topeka, Kan.

## HORSES AND MULES.

**SHETLAND PONIES—WRITE FOR** price list. Charles Clemmons, Waldo, Kan.

**100 SHETLAND PONIES TO EX-**change for good farm land, not heavily mortgaged. George Simpson, Wheaton, Ill.

**OUR FORMULA FOR HORSE COLIC** guaranteed to cure any case in 30 minutes is the most simple and reliable ever discovered. Price \$1.00. A. Auchly, Montgomery City, Mo.

## SEEDS AND PLANTS.

**ALFALFA SEED, TEN DOLLARS. J. H.** Glenn, Wallace, Kan.

**DAHLIAS, 20 KINDS, \$1. SATISFA-**ction guaranteed. Write for full particulars. H. Burt, Taunton, Mass.

**PLANTS FOR SALE—TOMATOES AND** Cabbage, 30c per hundred; \$2.50 per thousand. Sweet Potatoes, 7 varieties, 25c per hundred, \$2.00 per thousand. Prompt shipment, satisfaction guaranteed. W. A. Schreier & Sons, Argonia, Kan.

**PLANTS—CABBAGE, ALL VARIETIES,** 25c per 100, \$2.50 per thousand; tomato, Dwarf Champion, Kansas Standard, Free Beauty, Stone, Matchless, Acme and Trophy, 30c per 100; \$2.50 per thousand; Sweet Potato—Yellow Jersey and Yellow Nansmond 22½c per 100; \$1.75 per 1,000. 6 other varieties, 25c per 100; \$2.50 per 1,000. P. P. Rude & Son. Both phones, North Topeka, Kan.

## MISCELLANEOUS.

**ENDLESS DIME SCHEME, WILL MAKE** you \$25.00 weekly. (Legitimate). Postpaid 25c silver. W. H. Dutton, Little Rock, Ark.

**SEND STAMPS FOR SAMPLES OF AIR-**cured chewing and smoking tobacco. Jesse Miller, Adams, Tennessee, R. 1.

**PRINTING PREPAID — STATIONERY** cards, tags, cuts of horses, jacks, cattle, sheep, swine, poultry. L. S. Horton, Hyde Park, N. Y.

**FOR SALE—125 STRONG COLONIES OF** bees in 10 frame hives, \$4.00 each. Empty hives and supers cheap. O. A. Keene, Topeka, Kan.

**BUILDING BOOK: GOING TO BUILD?** Dustman's Book of Plans and Building Construction will help you. 126 pages, 9 by 13 inches. Regular price \$2.00. Special price \$1.45 postpaid. Write now. U. M. Dustman, Frueh Bldg., Freeport, Ill.

**Concrete Silo Plans; When ordering** the above book, enclose an extra quarter (25 cents) and I will send you blue-printed plans of a concrete silo. Tells just how to build one. U. M. Dustman, Frueh Bldg., Freeport, Illinois.

## PATENTS.

**SEND FOR FREE BOOKLETS—ALL** about patents and their cost. Shephard & Campbell, 6900 McGill Bldg., Washington, D. C.

**PATENTS PROCURED AND POSI-**tively sold if the idea has merit; all countries; best service; book free; send sketch. J. I. Sanders, 115 Dearborn St., Chicago, Ill.

## FIELD NOTES.

### Protection From Lightning.

Day after day, year in and year out, the papers publish accounts of big fires and heavy losses, of homes devastated and the accumulation of a lifetime wiped out in an hour—all the suffering and hardship of fire, caused by lightning. One reads of how a storm in the South brought terror and death as the lightning struck home or public building and wrought its heavy toll. Or in the North a huge barn, filled to bursting with golden grain, is burned to the ground—lightning brought the flames.

All over this country the loss by fire or the sorrow of death is charged to the ever-increasing score of that unknown, powerful element that flashes from the heavens and brings tremendous loss. Lightning is a force to be reckoned with and guarded against in every possible way.

Many fire insurance companies have placed themselves on record as heartily endorsing the use of lightning conductors upon all buildings and have even gone so far as to offer rate reductions, averaging from ten to thirty per cent to all patrons protected against lightning by the first service of a reliable first-class company.

Such action demonstrates that these companies view the danger of heavy loss through lightning, as eminent and serious, and that they believe the remedy to exist in the proper adjustment of lightning rods. It is declared by experts that electrical storms are becoming more frequent and severe—certainly the reports of damage wrought by lightning in unprotected districts are appalling in their increase.

Today the property owner who does not have his buildings fully equipped against lightning is in perpetual danger of heavy and complete loss. This is proven, not only by statistics, but also by evidence of these companies which openly offer lower rates to the man with lightning rods—properly applied by a reliable company.

The danger is so ever-present, the loss so complete, that no insurance company views the "unprotected" home or barn as a good risk. One can not fight the terrific power of electricity. The only salvation is to so rod the building that this element is drawn away before it has accumulated with sufficient power to strike.

And more than electric-conducting equipment is necessary—the insurance companies specify that the rods used must be those of some accredited and reliable concern.

It means the insurance companies have come to realize that cheap rodding, slipshod equipment, unskilled work and general ineffectiveness is as dangerous as the unconfined element itself. It means that cheapness is expensive to everyone concerned—the property owner, the insurance company and those who equip the buildings. It means that initial cost is nothing as compared to permanent service.

The National Cable & Mfg. Company of Miles, Michigan, use nothing but pure copper in their rods. They are extremely particular to secure protection for every danger point. They employ nothing but expert rodmen—trained, experienced men who do their work thoroughly and understand every feature.

The National Cable & Mfg. Company is an accredited and reliable concern. It has the endorsement of fire insurance companies.

All this costs money, but it gives the service, it guarantees protection (the National Cable Mfg. Company absolutely guarantees the establishment carrying their equipment from loss by lightning) and it is the only possible method of making valuable property immune from an ever-present menace.

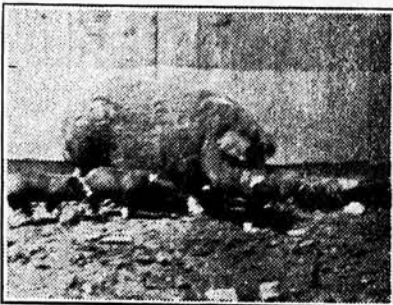
The action of the insurance companies is significant in that it shows how general is the dread of lightning and how thorough must be the protection. The property owner who will not heed their advice is the one who will awaken some morning to find his possessions burned to the ground, if indeed no direct fatality results. Lightning never strikes twice in the same place—for there is nothing left to strike.

### The Best Make of Washing Machine.

The Imperial Manufacturing Company, of Independence, Kansas, are putting on the market a new style washing machine, of which you will notice the illustration on another page in this issue. It combines the good features of both the steam laundry and wash board, without the objectionable features of either. It is practically automatic and is especially distinguished for the following features: "Ease of operation," "perfect cleansing" and "no pins to tear the clothes." The machine is made from the very best material that can be obtained. This company own their own building, a large, commodious brick structure, and employ twenty-five men. Satisfaction is guaranteed every machine that is put on the market. They are on sale at almost every hardware store in the Southwest at \$10.00 each. If your dealer does not handle this machine, write the Imperial Manufacturing Company, Independence, Kansas. They will see that you get it at once. Kindly mention Kansas Farmer.

### Nebraska Wonder Sold.

Chester Thomas, of Waterville, Kansas, has sold a half interest in the great brood, Nebraska Wonder, to Chapin & Nordstrom, of Green, Kansas. Nebraska Wonder has for years been conceded to be one of the strongest breeding boars owned in the West. It goes without saying that he will make a fine nick with Col. bred sows.



One of Roy Johnson's fine Poland China brood sows at South Mound, Kan.



# APIARY

Kansas Farmer invites correspondence upon subjects connected with bee culture, and is prepared to answer questions in this column. Address all letters and inquiries to J. C. Frank, Dodge City, Kan.

## Straws from Dodge City.

J. C. FRANK.

Bee-veils are next to smokers in usefulness, and no one should keep bees without them or go among the bees to do any work without one on, for they will save many painful stings, and, to a great extent, remove the fear of bees. A few of them should be kept on hand to put on our interested bee-keeping friends when they come to see us handle our bees.

From a scientific standpoint it is to be regretted that the mating of the queen cannot be controlled absolutely. From a practical view it is not so necessary, and prevents certain abuses. Still we can mate queens to a reasonable certainty. The more the radius of the flight of the queen becomes known, the less it grows, and especially so when drones are abundant. By rearing many drones within the apiary, from select queens we can expect a high percentage of our queens to mate with desired drones.

We cannot all agree as to the qualities of the ideal bee. Every bee-keeper has his own ideal. He has in mind his own particular needs, and the bee that meets these requirements is to him the standard.

As the queen is the foundation of the colony, we must have better queens. Cheap queens are a detrimental factor. As long as consumers insist on paying a low price for their stock, so long must they be content with the result of queens reared without proper care. There is too much tendency now to see how many queens can be raised, rather than how good queens. A good queen should command a good price, and a dollar is not enough.

In the company of nature the bee plays an important part in the fertilization of flowers. Plants and bees by mutual evolution have become dependent upon each other. The bees need the nectar for their nourishment, and the flowers need the bees for aid in accomplishing its circle of life.

To manipulate colonies so as not to swarm at all when run for comb honey is a thing yet to be discovered.

Why can bulk comb honey be extracted any more attractively than comb? When you get anything in the honey line that appeals to the eye and palate any more than snowy white sections of fancy comb honey you have got to go some.

The winter losses of bees are quite heavy in some parts of the state. Some report a loss of 50 per cent.

The second edition of "Bee-Keepers' Legal Rights" has just come to hand. It is a reference volume, which every bee-keeper should have in his library. It is mailed free to all paid up members.

Select a good strong colony to build the queen cells, remove all combs containing unsealed larva, also remove the queen, and let them remain queenless a few hours. I usually let them go 10 or 12 hours, or from morning until evening, and by this time they are fully aware of their queenless condition and will readily start queen cells when the larva is given them.

Bees have consumed less stores this winter than usual. This is from two different causes, I think the principal one being the steady cold that we have had the past winter. The second one is, the bees were not as strong as they often are when we have a fall honey flow. The past year being very dry, and no fall flow.

Drones usually take their flight during the middle part of the day, mostly from ten to three o'clock during a warm, pleasant day, when they can be seen flying in large numbers in front of the hives and over the apiary.

No one should expect to become a successful, scientific, progressive bee-

keeper and keep up with this rapidly advancing pursuit without reading one or more of the many excellent bee publications now to be obtained so cheaply. I have been reading several of the leading bee journals for years and feel well repaid for the cost. By reading these journals we are kept posted in all branches of the business, we are made acquainted with the different methods of management by hundreds of bee-keepers, and a single article is often of more value than several years' subscription to the journal will cost.

If ever there was an article written especially on hive covers, that hits the nail square on the head, it is the one that appeared in the April number of the Canadian Bee Journal, written by Mr. R. B. Ross, Jr., of Westmount, Que. So well pleased am I with it that I give it space in this department.

## Hive Covers.

R. B. ROSS, JR.

Enough has been written on the subject of covers to fill many volumes, I have no doubt, and possibly as much more may be written before any real unanimity of opinion prevails. But that those who are sufficiently of an experimental nature to have the standard makes for a short while may give a trial to a good cover, the following is written by way of encouragement.

It may be well in the first place to consider what are the uses of a hive cover. To answer this in an off-hand way, one might say, "To keep out the rain and snow in bad weather," but merely this does not make up a full list of the work which we may properly expect from a good hive cover. We might easily add a way of enlargement, that a cover should at all times be robber-proof, heat-retaining, sun-proof and wind-proof. Attempts have been made to meet all these requirements, but so far I have found most of the makes now on the market lacking in one or more of the essentials agreed upon.

Of course the style of the cover is somewhat dependent upon the tastes of the bee-keeper, for those who desire a clear bee space over the frames need to look for characteristics which those who use some form of frame covering or quilt do not. For my part I prefer to use a quilt.

The flat cover so common in use has the undesirable habit of twisting more than one could wish. Heavy cleats may overcome this to a great extent, but every time the hive tool is inserted to pry it loose there is a strain on the material which tends to help twisting, and this in time gives robbers a starting point of which they are not slow to avail themselves.

The ventilated cover is better, because one layer of boards tends to offset the warping and twisting of the other, but to both the foregoing styles of cover I find the following objections:

1. All covers which are designed so as to have nothing but a bee space between them and the frame tops are securely fastened to the hives with bee-glue. Every time a hive is examined this fastening must be broken. This is a matter of comparatively little importance during the summer, but spring and fall have to be considered in this connection as well, and while I admit there is not much need of breaking the sealing in the cooler seasons, there always will be more or less of this occur. This, therefore, is one of the objections to the flat board covers without quilt.

2. The second objection, and to my mind a serious one, is the inability to use a protective covering of newspapers to conserve the heat in spring. Papers can be used, but they become soaking wet during the first rain-storm that follows their putting on. In using the papers I fold them so that they come down the sides of the hive for a few inches, forming a paper cap well calculated to retain the heat as long as they are kept dry. The flat board cover cannot do this.

Then a cover should be sun-proof. In this respect the double ventilated cover is all right, and were it not for

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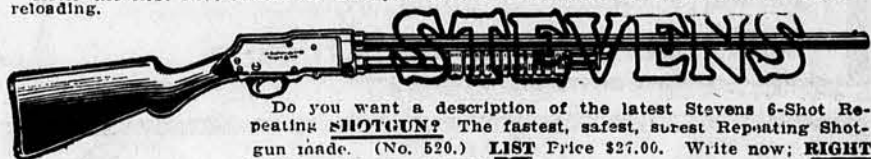
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the shortcomings which it has in common with the board covers, it is the one I would adopt. Wind-proof was the last essential enumerated in the foregoing list, and by it I mean not only proof against the passage of draughts of air either inwards or outwards, but also proof against the lifting power of the wind. So many people have to load their hive covers down with bricks, stones, etc., or they never know what degree of disorder will greet their eyes on their next visit to the apiary!

Now, of all covers with which I have had experience none of them seems to offer as many advantages, with as few shortcomings, as the shallow telescope cover; one which slips loosely down over the hive for a distance of about four inches. It can be used either with or without quilts or inner board covers. It is robber proof as its top always remains flat. It is wind-proof and sun-proof.

No shade board is necessary with this cover, for by simply raising the back end and pushing it forward till it rests on the back edge of the hive, an air space is provided, which gives splendid protection against the sun, but, of course, this will expose the frame tops to robbers unless a quilt or inner cover is used. Strange to say the cover seems to be no more liable to blow off from this position than when resting in its normal place.

The greatest advantage, however, of

this cover comes from its telescoping sides and ends when using protective newspapers in the spring. As indicated previously, I have a quilt directly on the frames. Over this, after removing the bees from the cellar, I fold substantial covering of newspapers, and the loose fitting telescope cover slips down over all, giving the protection exactly where needed and in such a way that all remains dry. Tar paper and building paper hive wrappings have been discarded by me altogether in favor of newspapers used as above, with infinitely more satisfaction, and I believe profit.

I make my covers of half-inch pine wide and long enough to allow ample space at ends and sides of hive. The cover slips down three or four inches. Roofing paper makes it water-tight.

It is a small matter to try two or three such covers for a season, and if they are not suited to your particular needs no harm has been done. If, on the other hand, they work as successfully with you as they do with me, the object of this article will have been attained.

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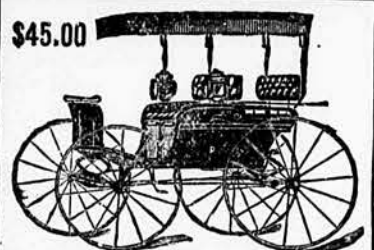
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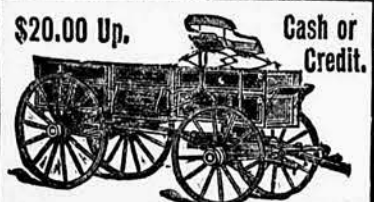
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# LIVE STOCK



## The Poland China Hog.

In discussing this breed of hogs, it may be interesting to some to know something of its history and origin. In the first place it is purely an American breed, originating and coming to its high type of development in this country. The Poland China breed of swine originated chiefly in the state of Ohio, in Warren and Butler counties in the Miami river valleys. At that time Cincinnati was the greatest hog slaughtering point in the West and the great excellence of the then grade or common hog of the Miami valley gained a reputation that extended over the pork producing west. We can trace the Poland Chinas back in history to 1835, when they were the common stock of the country with very mixed breeding. By the crossing of various families then known as Big Chinas, Byfield, Bedford and Irish Grazer, the offsprings were a large and somewhat coarse hog, black and white spotted and then called by various names as: Magie, Butler County, Warren County, Miami Valley, Poland and China, Great Western, Shaker, Union Village, Dicks Creek, Gregory's Creek and others. A Berkshire cross, introduced along about 1840, gave the black color with white markings, improved symmetry and increased activity. No out-crossing has been done since the year 1845.

At the National Swine Breeders' Convention, held at Indianapolis in 1872, it was decided that this breed should be known and called the Poland China and it has retained that name to the present date.

No person or persons stand out pre-eminently as the originators or improvers of the Poland Chinas. The Shakers of Union Village, Warren county, Ohio, are to be credited with much of the improvement made in the earlier days of the breed.

The Poland China has found his way into every state in the Union, to a limited extent in Canada and Mexico and has crossed the water to Europe and the Equator to South America. They are without doubt the favorite breed at the present time in the central, western and northwestern states, which include the great pork producing states of the Union.

The first recording association of the breed was organized at Dayton, Ohio, in 1878. At present there are four recording associations, the principal one being the American Poland

China Record Association located at the Union Stock Yards, Chicago.

As to the characteristics of the Poland Chinas, the one that stands out most prominent is their easy feeding qualities, combined with very early maturity. These qualities have made them very popular with the great pork producers of the corn belt. There is perhaps no other breed of equal size that will mature as young as the Poland China. In size they are classed as one of the medium breeds, being about the same as the Berkshire, Chester White or Duroc Jersey. Being a very large breed in numbers at the present time and covering a great territory, their size varies considerably, the Poland Chinas of the extreme corn belt being a little smaller and finer in bone than the hogs of the dairy states of the north or the alfalfa states of the central west.

In their growth, under good care and feed, they attain the weight of 200 to 225 pounds at 6 months of age; 300 to 400 pounds at 1 year of age, and the males attain the weight of 500 to 700 pounds in good flesh at maturity and the females about 100 pounds lighter. It is not uncommon, however, to find specimens of the breed that weigh over 1,000 pounds in full flesh.

They are well adapted to any locality where they are supplied with nutritious food and where good care and management is practiced to obtain best results at pork production.

In regard to their breeding qualities there is often a great diversity of opinion. Being of the rather extreme type which is typical of all our best meat producing animals, that is, low down, broad and deep, the type that encloses the most hog in the least space, it is not reasonable to expect quite as good breeding qualities, in the way of large litters, as from hogs of the rangy, angular types. I will

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say that their breeding qualities vary according to care used in selection, care given and management. Where Poland Chinas are fed heavily, their good feeding qualities seem to be a detriment to their breeding qualities. Where good results are to be expected in raising Poland Chinas of the best type, great care must be given that they are not allowed to become too fleshy and furnish them with plenty of exercise. Where proper care is used in selection, feeding and care of breeding stock, they will produce from eight to ten pigs to the litter on the average.

In disposition the Poland China is very docile and very easily handled. Their quiet disposition and freedom from restlessness and viciousness makes them nearly ideal in this respect for feeding qualities.

As to their value for crossing, they are most excellent. In crossing on common scrub stock they greatly increase the feeding qualities by giving a thicker fleshed carcass and a better disposition, characteristic of good feeding qualities and earlier maturity. Where a farmer has sows that lack depth of body, long in head, weak in constitution and possessed of poor feeding and maturing qualities, a good Poland China sire usually gives very good results in the first cross, with continued improvement in each succeeding cross.

To describe a typical Poland China in detail, it should be black in color with four white feet, white switch on tail, with some white on nose, face or forehead. A few white spots are not objectionable. The head should be medium to small, broad between the eyes and ears, face nicely dished, nose short with full cheeks. The ears should be drooped, with the break or bend in the ear near the center. It should be fine, very flexible, soft and covered with a fine silky coat of hair. The jaw should be full, firm and neat, carrying fullness well back to shoulders on side and brisket on bottom. A light jaw usually indicates lack of constitution, poor feeding qualities and restless disposition. The neck should be short, deep, well rounded, in the males full and nicely crested. The shoulders should be broad, deep and smooth and in proportion to size of hams. They should extend well down and be free from any coarseness or openness on top. The heart girth should be full, ribs extending well down, wide and full back of fore legs, free from any creases on sides or sags back of shoulders and well let down between fore legs. The back should be broad, straight or slightly arched and carry width well back to hams. The sides should be deep, carrying size well down and full in both front and rear flanks. The hams should be full, deep, broad and carrying well down over the hocks. The tail should be well set on, small, nicely tapering

and not too short. The legs should be of medium length, well set apart, straight and nicely tapering, showing plenty of bone and tendon, but free from any tendency to coarseness, as may be indicated by coarse hair, thick skin, fleshiness and coarse joints. The feet should be short, pasterns short and stand almost perpendicular above toes. The quality of the animal is indicated by a very fine, thick, silky growth of hair. The skin should be thin and free from wrinkles, giving the animal a very smooth appearance. —L. P. Martiny, Chippewa Falls, Wis.

The Herefords seem to be picking up and the demand for them increasing. At the Dr. Logan sale in Kansas City the general average on 38 head was \$123, with the 15 bulls averaging \$143. W. N. Rodgers' sale at South Omaha averaged \$148 on 69 head and the 39 bulls averaged \$151. Cargill & Price averaged \$185 on 48 head in their Chicago sale, with 12 bulls averaging \$212.

The Morgan horse is again coming into its own. Formerly this was the most popular breed in America, but the "speed craze" did great damage to it and the propagation of its type. There is maintained a registry association for this breed and its admirers are putting forth every effort to redevelop this purely American breed and place it where it belongs in the esteem of all horse users. There are many animals of this breed in Kansas. May their number increase.

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"The greatest need of this country (United States) in another generation or two will be the providing of homes for its people and producing sufficient for them. The days of our prominence as a wheat exporting country are gone. Canada is to be the great wheat country." J. J. HILL.  
This great railroad magnate is taking advantage of the situation by extensive railway building to the wheat fields of Western Canada. Upwards of

125 Million Bushels of Wheat were harvested in 1909, and the average of the three provinces of Alberta, Saskatchewan and Manitoba will be upwards of 35 bu. per acre. Free homesteads of 160 acres, and adjoining pre-emption of 160 acres at \$3 per acre, are to be had in the choicest districts. Schools, convenient, climate excellent, soil the very best, railways close at hand, building lumber cheap, fuel easy to get and reasonable in price, water easily procured, mixed farming a success. Write as to best place for settlement, settlers' low railway rates, descriptive illustrated "Last Best West" to Sup't of Immigration, Ottawa, Canada, or to the Canadian Government Agent.  
J. S. CRAWFORD,  
125 W. 9th St.,  
Kansas City, Mo.

## BROWN FENCE

Strongest, most durable fence made. Heaviest, closest wires, Double galvanized. Practically indestructible. Stock strong. Chickentight. 15 to 35 c per rod. Sample free. Wapayft.  
The Brown Fence & Wire Co., Dept. 31, Cleveland, Ohio



**Best feed  
for your  
baby  
chicks**

It is no trouble to hatch chickens, but it takes the proper Feed to raise them: use **Otto Weiss Chick Feed**

a complete balanced Ration; it develops bone, flesh and feathers, saves your Chicks, and they make a rapid growth. Send for circular and prices on Poultry Supplies

Otto Weiss Alfalfa Stock Food Co.  
Wichita, Kansas

# POULTRY



## A MILLION INCUBATOR CHICKS

**DIE EVERY DAY.** We have a HOME remedy that will positively prevent or cure any kind of bowel trouble in young chicks at any age. Send us the names of 5 to 8 of your friends that use incubators, and we will send you this information free and allow you 25 cents for sending names. This will be worth \$100 to you this summer. Send the naes tlday. The information is free.

RAISALL REMEDY CO., Blackwell, Oklahoma.

## 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, \$2.00 per 16, or \$5.00 per 45, and I prepay expressage to any point in the United States.

THOMAS OWEN,

Station B, Topeka,

Kansas.



## Could This Happen To Your Home?

What a sense of security it would give you to know absolutely that lightning **could not** damage your buildings. The man who rods his buildings with National Cable has no fear of this ruthless destroyer, which slays its thousands and destroys millions of dollars worth of property every year.

## National Flat Cable

(Patent Pending)

has more conducting capacity than any other lightning conductor because it is of pure, soft copper, *woven flat*. The flat weave enables it to carry off a greater current with less resistance and without the possibility of side flashes or induced currents, which cause trouble on cheap iron or copper coated rods. Iron costs but one-sixth what we pay for our selected copper, and conducts only one-sixth as well. Would it be worth as much even at one-sixth the price? Of all things you can least afford a cheap, inefficient lightning conductor.

Our cable fulfills all requirements of the U. S. Government and is approved by the highest scientific

authorities—your assurance of its merits. Most fire insurance companies allow big discounts where it is used.

National Cable is now doing perfect service on many thousands of buildings. Every National Conductor is guaranteed in black and white, and not one has ever failed to protect life and property.

Let us tell you what it will cost you to rod your buildings—one or all. Writing us does not oblige you to buy. We will also tell you who carries our rod in your vicinity and send you a valuable book, "The Laws of Lightning," Free.

Look for the Little National Tag on the cable you buy.

We want a good representative in a few territories still open.

**National Cable & Mfg. Co., 53 Cable St., Niles, Mich.**

**TOWER'S FISH BRAND**  
**WATERPROOF**  
**OILED**  
**CLOTHING**

IS IDEAL FOR  
ROUGH AND READY WEAR  
IN THE WETTEST WEATHER.  
IT WILL KEEP YOU DRY AND  
COMFORTABLE AND GIVE LONG  
SERVICE.

SUITS \$3.00 SLICKERS \$3.00  
POMMEL SLICKERS \$3.50

SOLD EVERYWHERE - CATALOG FREE

**A.J. TOWER CO. BOSTON, 210**  
**TOWER CANADIAN CO., LTD. TORONTO.**

**BROODER 1/2 PRIME**

WITH THE  
**BONDED SURE HATCH**

During this month we will send a brooder for actual half price to every person ordering a **Sure Hatch Bonded Incubator**. This is the only incubator guaranteed and backed by a \$1,000,000 surety bond of the Bankers Surety Co., Cleveland, Ohio. We pay the freight.

**SURE HATCH INCUBATOR CO.**  
Box 42 FREMONT, NEBR.

When writing advertisers please mention Kansas Farmer.

Keep up the fight against lice.

The more lice you have the less chicks you will raise.

Keep dusting the setting hen with insect powder, before and after she hatches her chicks.

As a rule enough powder will go from the hen to the chicks and keep them free from lice.

But sometimes the large gray louse gets into the head and under the wings of the chicks, then it is best to rub these parts with grease of some kind. Lard and carbolic acid is good.

Experience has proven to us that it does not pay to put too many eggs under a setting hen. Being anxious to get as many early chicks as possible, the breeder often puts 15 eggs under a hen. It takes a large hen to cover 15 eggs, and the nest is often too small for that number of eggs, and the result is that several eggs are broken. The balance of the eggs are smeared with the broken eggs, and the result is that very few if any of the balance will hatch. We have found that 11 eggs are a very good number to put under a hen.

A subscriber wants a remedy for scaly leg and asks if it is contagious. Yes, it is contagious, for it is a parasite that is easily communicated from one hen to another, also from filthy roosts, where scaly-legged fowls rest. Anything greasy is fatal to these parasites. Coal oil is a very effective remedy, so is lard and carbolic acid mixed into a salve. If the fowls' legs are very bad it may take several applications before all the scales fall off. As a preventive it would be well to pour coal oil on the roosts at least once a month.

Poultry are great insect destroyers and the orchard is a mighty good place for the fowls to range in. A little poultry netting in the right place may save many bushels of apples.

### PURE BRED POULTRY

S. C. B. Leghorn eggs \$4.00 per hundred; \$1.00 per setting of 15. H. N. Holdeman, Mende, Kans.

S. C. BROWN LEGHORN EGGS—\$1.00 per 15; \$4 per 100. J. S. Evans, 713 Colo., Manhattan, Kan.

TENNEHOLM LANGSHANS The big black kind. Eggs \$1.50 per 15; \$2.50 per 30. MRS. E. S. MYERS, Chanute, Kan.

WHITE WYANDOTTE EGGS for sale, \$1.50 for 15, from high scoring pens. B. H. Carrithers, Severy, Kan.

BUFF COCHIN EGGS From high-scoring birds, 15, \$1.50; 50, \$4.00. Mrs. L. O. Housel, Smith Center, Kansas.

WHITE PLYMOUTH ROCKS—10 cockerels and a few pullets for sale. Eggs \$1.50 per 15; \$2.50 per 30. J. C. Bostwick, Route 3, Hoyt, Kan.

EGGS for sale, S. C. Brown Leghorn and S. C. Rhode Island Reds, \$1 for 15; \$4.50 for 100. Special matings, both breeds. Mrs. T. I. Wooddall, Fall River, Kan.

WHITE WYANDOTTE EGGS For sale from six grand yards, scoring from 93 to 96 points. Send for catalog and prices. E. E. BOWERS, Bradshaw, Nebraska.

PURE BRED WHITE WYANDOTTE eggs, from prize winning strain, \$1 per 15; \$5 for 100. MRS. H. S. ADAMS, Route 8, Wichita, Kan.

BUFF ROCKS. Vigorous, Farm Raised, Prize Winners. Eggs \$2.50 and \$3.00 per 15, range \$1.00 per 15; \$5.00 per 100. W. T. and Mrs. C. V. Ferris, Effingham, Kan.

BARRED PLYMOUTH ROCKS. Bred for beauty and profit. 33 regular premiums. Eggs: 15, \$2.50; 30, \$4.50; 50, \$8.00; 100, \$15.00; 60, \$3.25; 100, \$5.00. Mrs. D. M. Gillespie, Clay Center, Kan.

SHELLEY BROS. BARRED ROCKS. Won 64 premiums at Kansas State Poultry Show, Central Kansas Show, and State Fair. Eggs from pens 15, \$3; 30, \$5. Satisfactory hatch guaranteed. Circular free. Lock Box 7, Elmdale, Kan.

Another correspondent this week inquires about the cause and remedy for white diarrhoea in chicks. We answered one inquirer in last week's issue that such chicks are hard to cure, but that boiled milk or boiled rice water sometimes helps them. The cause is said by scientists to be certain spores that come from the chicks brooding on damp straw and that dry earth should be substituted for straw. One man claims that white diarrhoea is caused by too early feeding; that the yolk that the chick imbibes just before it is hatched will suffice for three or four days, and that any food fed before the fourth day causes indigestion and that causes bowel trouble. Four days seem a long time to keep chicks without food and looks contrary to nature, for a hen will leave her nest in a few hours after all the eggs have hatched and will try by example and clucking to make her chicks eat and drink. But while we think four days too long to keep chicks without anything to eat, we do believe that as a rule they are fed too soon after they are hatched and too liberally. We would commence feeding in about 48 hours after they are hatched.

Paradoxical as it may seem a baby duck is more sensitive to ill effects from getting wet than is a baby chick. A duck takes naturally to water from the start and is apt to overdo the matter and get too wet and this dampness generally proves fatal to it. The watering trough for young ducks should be so arranged that they cannot dabble in it. Enough for them to drink is all that is required. Water to swim in should be kept from them till they have grown their crop of feathers.

### Why Incubator Chicks Die.

A subscriber to your paper would like to know why incubator chickens pip the shell and then die before they can get out.—A Derby Subscriber.

Answer—One reason why incubator chicks die in the shell is because of lack of sufficient moisture in the incubator. Another is opening the incubator while the eggs are pipping, thus letting out the moisture that was in the incubator, and consequently drying up the membrane of the eggs so that it becomes too tough for the chick to break. Another cause may be a lack of vitality in the eggs, the chick being too weak to break its way out. The remedies for the above causes are self-evident. Oftentimes several chicks in pipped eggs can be saved by helping them a little by breaking the shell and membrane, and thus freeing them from their prison. One must be very careful, though, not to cause the chick to bleed, otherwise it will surely die.

### Making Eggs Profitable.

Minnesota is trying a plan that ought to appeal to progressive farmers in all sections, the University of Minnesota bulletin describes it as follows:

"Several associations have been organized for selling the produce of the farm. Among these is one for disposing of eggs. One association is at Dassel and another at Barnum. The general idea is to produce larger and better eggs and market them in a systematic way. They would gather the eggs twice a day, keep them clean, sore them, and throw out all under or over-sized eggs and pack them for market in cartons holding one dozen each. The white eggs and brown ones are packed in separate cartons. All unattractive and dirty eggs are discarded so far as the market is concerned. The eggs are shipped direct from the producer to the city grocer or consumer. A guarantee of the facts is set forth on the carton concerning their quality, with a statement that any egg found defective in any way will be replaced free of charge. Such eggs bring several cents a dozen more than those marketed in the ordinary hit or miss manner."



## The Young Chicks.

The early chicks are apt to receive pretty close attention, perhaps more than they need sometimes. But as they grow older and we farmers get very busy with other things the early as well as later broods are slighted just at a time when they need careful looking after.

The chicks that must give up the brooder to a younger set are easily chilled on cool nights such as we have at this season. It doesn't take very long to fix up a hover with an old blanket. We cover a frame with an old blanket. Have it just high enough so the blanket will touch their backs; then with chaff under foot they will go through a cool night in good condition. Or they may be covered up in baskets. When they get cold at night they crowd up in a bunch, and some of the weaker ones are apt to get smothered. Anyway, the crowding and chilling is apt to stunt them. They can stir around during the day and keep warm, if they have a dry place; but at night they need some protection when the weather is cool. Leghorns that have been used to the brooder will simply almost chill to death when nearly feathered if not wrapped up a little on a cool night.

Another thing we need to keep a sharp lookout for in cool weather is lice. At this time, when hens and chicks must be confined to their coops a good deal, lice multiply very rapidly. The chicks that have been raised in brooders are in great danger of becoming lousy, when they run with the other chicks. We start them free from lice in brooders, but it is not easy to keep clear of the pests.

Lice and gapes go together. Lice reduce the vitality of the chicks and they haven't the strength to resist gapes. Again the chicks are weakened by exposure to cold and wet. We should keep them free from lice, comfortable and thrifty, growing every minute and they will be more likely to have strength to cough up the gape worms. Of course changing yards, and high dry sanitary surroundings are all desirable. A spell of cool rainy weather helps to start this trouble. We never believed much in dosing chicks for anything, but when they first begin to show signs of the gapes by sniffing, flavoring soft food with turpentine does seem to help. A teaspoonful of turpentine to a quart of feed is not too much. The turpentine is very penetrating, the odor goes through the chicks and gets too strong for the comfort of the gape worm. We notice quite an improvement after giving the chicks a few feeds seasoned with the turpentine, but the chicks must be kept out of the cold and wet or no remedy will do much good. Treatment to be effective must commence in time when they first begin to sniffle.—Fannie M. Wood, in Ohio Farmer.

## Indigestion the Cause.

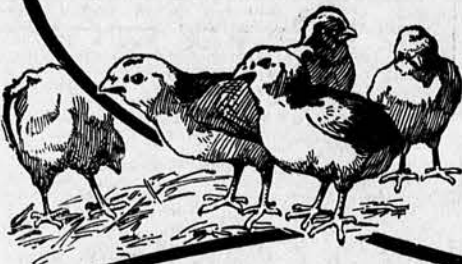
My chickens begin to get dark at the tip of their combs, and it seems difficult for them to walk. They droop around for a week or two until their combs and wattles are entirely dark, and then can't move at all and die. I feed a mash in the morning, composed of wheat, corn oats and speltz, equal parts ground together and mixed with one-third of its bulk of bran. Feed 150 hens about one peck. Then two different times I give them two quarts of wheat in litter, cabbage and mangels for noon and corn at night. Would like to know what to do for them.—Mrs. E. O. S., Wau-sara County.

They have the symptoms of indigestion and probably the first stages of liver trouble. If you kill one and examine the liver you will probably find it covered with white spots and twice its normal size. If the whole flock seems to be affected it has undoubtedly been growing upon them for years, due to overfeeding and improper feeding. It would be better to start a new flock with strong, vigorous birds. The remedy is to change the methods of feeding entirely. Keep them hungry. Make them exercise by compelling them to scratch for grain in a deep litter. Diminish the amount of food by at least one-half for a while. Do not feed so much corn, oats and speltz. Keep plenty of grit before them and give them clover and more animal food and green stuff. Give them a laxative once a week for two successive weeks.—Wisconsin Agriculturist.

Thrifty Chicks  
Make Paying Fowls

That's reason and common sense. What the chick is, the fowl will likely be. The important matter, then, for every poultry raiser is to give the growing chickens a *good start*. Not at all a difficult thing to do, either, if you get Dr. Hess Poultry Pan-a-ce-a to help you. This is a Tonic to mix once a day in the soft feed—a system known among poultry men as "The Dr. Hess Idea" of feeding. Only a little of it is needed, but its effect is surprising. You can almost see and measure the daily development of the little peepers, from tender weaklings to vigorous, growing young fowls.

## DR. HESS Poultry PAN-A-CE-A



Will carry them on from the growing stage to early maturity and pay you abundantly for the little extra attention you have given them. It cures Gapes, Cholera, Roup, etc.; it makes the pullets lay *early* and keep it up the whole season round, because it acts on the *digestive organs* of the hen and gives her power to assimilate large quantities of food and turn it into eggs. In the same way it helps to fat the cockerels and other birds you wish to sell. It gives strength to pass the moulting season and *good health* always. A penny's worth feeds 30 fowls one day. Sold on a written guarantee.

1½ lbs. 25c; mail or express 40c.  
5 lbs. 60c, 12 lbs. \$1.25, 25 lb. pall \$2.50.  
Except in Canada and extreme West and South.  
DR. HESS & CLARK, Ashland, Ohio.  
Send 2c for Dr. Hess 48 page poultry book, free.

## DR. HESS STOCK FOOD

Is a *guaranteed* animal tonic, formulated by an experienced live stock farmer (Dr. Hess, M.D., D.V.S.) for the sole purpose of bringing about an *economical* system of feeding. It acts on the *digestive organs*, keeps them healthy and *active* and relieves the minor stock ailments. The animal receiving it can consume and *put to use* a large ration. Thus it helps the cow to give more milk and the steer, sheep or hog to fat quicker. No live stock owner can afford to do without Dr. Hess Stock Food. Fed twice a day in small doses. Sold on a written guarantee.

100 lbs. \$5.00; 25 lb. pall \$1.60, except in Canada and Extreme West and South. Smaller quantities at a slight advance. Send 2c for Dr. Hess Stock Book, free.

## INSTANT LOUSE KILLER KILLS LICE

\$7.55 Buys Best  
140-Egg  
Incubator

Double case all over, best copper tank; nursery self-regulator. Best 140 chick brooder. \$4.50. Both ordered together \$11.50. Freight Prepaid. No machines at any price are better. Write for book today or send price and save waiting. Satisfaction guaranteed.

BELLE CITY INCUBATOR CO., Box 18 Racine, Wis.

Your Name Will Get \$2 Eggs  
For 50 Cents Per Sitting

The White and Brown Leghorns are the greatest layers in the world. I keep 2000 of the celebrated Chamberlain laying strain on my Experimental Farm, and to increase the sale of my Perfect Chick Feed, I will send to any one who will send me their name so I can send them my Perfect Chick Feed Catalogue, 2 sittings of Single Comb Brown or White Leghorn Eggs for \$1 for the 2 sittings. Not less than 2 sittings sold. Eggs by the 100, \$5. White or Barred Plymouth Rock or Rhode Island Red or Silver or White Wyandotte or Rose Comb Brown Leghorn or Single Comb Black Minorca Eggs, \$1 per sitting. Large Bronze or White Holland Turkey Eggs, \$2 for 10 Eggs. Large White Pekin Duck Eggs, \$1 for 10 Eggs. This is a rare chance to get a start of extra fine stock. Send Post Office orders on St. Louis and have your orders booked early. Fine Roosters for breeding, \$2.50 each. W. F. CHAMBERLAIN, (The Perfect Chick Feed Man) KIRKWOOD, St. Louis County, MO.

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BOOK FREE

## SUPERIOR INCUBATORS AND BROODERS.

They contain the latest ideas in incubator and brooder construction, low priced, high in quality; get our catalog and prices. They tell the story. Quick shipment and satisfaction guaranteed. Address

## HOOPS &amp; BOSTLEMEN,

Superior, Neb.

## D. W. YOUNG STRAIN

of S. C. White Leghorns, prize winners at three state shows. Eggs \$1.50 for 15; \$5 per 100. Barred Rocks, "Ringlet" strain, \$2 for 15 eggs. Eggs packed with care.

## C. H. McALLISTER,

Carmen, Oklahoma.

## THE EGG SEASON IS ON.

We are shipping every day from all the leading varieties of poultry, large flocks on free range; orders filled promptly. My own special egg crate used. Price \$6.00 per 100. M. B. turkey eggs \$2.25 per 9. Write for circular. Address

## Walter Hogue,

Fairfield, Neb.

## S. C. BUFF ORPINGTON

Eggs from Owen Farm strain, Mass., the best strain in America. Pen 1 and 2 headed by 10-lb. birds, 15 eggs, \$2.00. Pen 3, \$1.25 per 15 eggs.—C. B. Owen, Lawrence, Kan.

## BARRED PLYMOUTH ROCK EGGS.

Pen 1, \$2 per 15; 3 settings, \$5. Pens 2 and 3, \$1.50 per 15. Range, \$1 per 15 or \$5 per 100.

## MRS. CHAS. OSBORN,

Member A. P. A., Eureka, Kan.

**MAGIC NEEDLES** RODS, Goldometers, Chronometers, etc., for treasure seekers. Millions of wealth under your feet. Guaranteed the **FREE** best made. Interesting booklet for 2c stamp. **F. & M. AGENCY**, 119 Elk St., PALMYRA, PA.

**S. C. BUFF LEGHORNS.**  
No more stock for sale, but eggs from prize winners: Pen 1, \$2 per 15; pen 2, \$1.50 for 15; incubator lots, \$6 per 100.  
**CEDAR GROVE POULTRY FARM,**  
M. KLEIN & WIFE, Props., Kansas.  
Clay Center.

**BUFF ORPINGTONS.**  
50 fine cockerels from prize winning stock. My book tells why they are such wonderful breeders; why my hens are such great layers; sent for 10 cents. W. H. Maxwell, R. 95, Topeka, Kan.

**EGGS FOR SALE**  
From fancy S. C. Buff Orpingtons. Pen 1, \$3 for 15; pen 2, \$3 for 15, farm range, \$1 for 15; incubator rates, \$5 per hundred.  
**MRS. S. T. WHITE OF WHITE BROS.,**  
R. No. 1, Buffalo, Kan.

**BARRED ROCKS**—High class show and utility stock. Pen eggs \$3 per 15; \$5 per 30; utility \$4 per hundred. Send for circular. No stock for sale. C. C. Lindamood, Harvey County, Walton, Kan.

**BLUE BARRED ROCKS.** Eggs from both Cockerel and Pullet matings of very best. Exhibition matings \$2.00 per 15; \$5.00 per 30. Males—narrow barring and barred to skin, good in fancy points. Laying strain of fine farm raised flock. \$1.00 per 15; \$5 per 100.

**MRS. W. B. POPHAM,**  
Chillicothe, Mo.

## EGGS! EGGS! EGGS!

S. Spangled Hamburg, S. C. White and Brown Leghorns, \$1.00 and \$1.50 per 15; \$5 per 100. Stock the best.

**VIRA BAILEY,**  
Kinsley, Kansas.

## WE LAY FOR YOU

Smith's Barred and White Rocks. Send for mating and price list.

**CHAS. E. SMITH,**  
Baynesville, Box 8, Kan.

## ALFALFA SEED

prices and free samples. Address **McBETH & DALLAS, GARDEN CITY, KANSAS.**

One Million Genuine Speciosa  
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Write for this offer and enclose 2c stamp for our new thirty-four page illustrated booklet on Speciosa Catalpa growing.

**THE WINFIELD NURSERY CO.,**

Winfield, J. Moncrief, Pres., Kansas.

## PURE BRED SEED.

We have one thousand bushels of pure bred Black Dwarf Cane Seed for sale for \$1.50 per bushel, f. o. b. cars at Syracuse, Kan. This seed was raised without irrigation and is pure. Samples upon request.

**I. P. WORDEN & SON,**

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## SEED CORN.

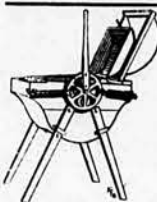
Plant Young's Yellow Dent seed corn, the best on earth. Won Missouri's gold medal at National Corn Show, Omaha, 1908. Guaranteed 90 per cent germination under all conditions or will fill orders again free of charge. Price \$2 per bushel. Sample ears 50 cents each. Sample free. Choice Poland China fall pigs \$25 each. One Jersey bull calf for sale.

**Robt. I. Young, R. F. D. 5, St. Joseph, Mo.**

## ABILENE NURSERIES.

Write for catalog and price list before placing your order. We have the stock that bears fruit, also all kinds of ornamental trees. Forest trees, shrubs, roses and vines. Special attention given mail orders. 10 per cent discount on \$5.00 order; 15 per cent discount on \$10.00 order. Cash with order. Mention paper.

**W. T. Gough & Co.,**  
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Emancipates the housewife from drudgery. SATISFIES THE DAILY LONGING FOR AN EQUAL CHANCE AT LIFE. Combining the good features of the **WASHBOARD** and **STEAM LAUNDRY**, it charms our customers with its efficiency and makes possible our motto "**NOT A DISSATISFIED CUSTOMER.**" Price within the reach of all. Ask your dealer or write

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Main Office and Factory, Independence, Kansas.

**FIRE LIGHTNING TORNADO HAIL**  
\$200,000 Central National Fire Insurance Co. \$200,000  
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Insures all kinds of farm property against Fire, Lightning and Tornado. Also insures growing crops against HAIL. Prompt and fair adjustment and cash payment of all losses in FULL. See our Agent and get a Hail policy. It will pay you. Country Agents wanted, where not represented, for both Fire and Hail departments.

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The oldest Shorthorn breeder in Kansas. The largest herd of Cruickshanks in Kansas. Herd headed by Violet Prince 145647 and Orange Commander 220590. Young stock of both sexes and some cows for sale. Quality and prices right.

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**Shorthorn Bull**

If you are looking for a young to head your herd right in every way, write us for full particulars at once.

C. G. COCHRAN & SONS,  
Plainville, Kansas.

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Scotch Shorthorn cattle and 20 bred sows and a few good spring boars of large type Poland China hogs. Write me what you want. No trouble to answer letters. Bell Phone.

J. W. Pelphrey & Son, R. 6, Chanute, Kan.

**HOLSTEIN CATTLE****ROCK BROOK HERD OF REGISTERED HOLSTEIN-FRIESIAN CATTLE.**

Special offer for next 30 days in bull calves from month to a year old. A few high class registered cows and heifers, and can also offer a few very high grade cows and heifers, consigned to me to be sold by parties wishing to secure pure-breds. 100 head in herd. Address

HENRY C. GLISSMANN,  
Omaha, Neb.

**SUNFLOWER HERD HOLSTEIN-FRIESIANS.**

(Formerly East Side Dairy Holsteins.) I have now nearly 20 A. R. O. cows in this herd, all with nice records, including Irka Hijaard Dekol No. 76076 with the fine record of 24.67 lbs. butter in 7 days from 617 lbs. milk. This herd is strictly Advanced Registry breeding throughout and with Sir Segis Cornucopia \$99936 as herd header, there certainly cannot help but be great results coming, for his sire now has over 50 A. R. O. daughters, and one sister with over 31 lbs. His dam is a 21.92 lb. cow sired by Paul Beets Dekol (one of the greatest sires that ever lived,) she has a number of A. R. O. daughters and 2 sons with A. R. O. daughters, including Sir Segis Cornucopia himself, and Segis Dekol Korndyke Prince, with 5 A. R. O. daughters (3 above 20 lbs. at 3 years old.) A choice lot of bull calves to offer.

F. J. SEARLE,  
Oskaloosa, Kansas.

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**BARGAINS IN DUROCS.**  
Big, growthy, spring boars for sale at bargain prices. Bred right and fed right. Priced right.

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BURE OAK, KAN.

**HANLEY STRAIN OF DUROCS**

Write for Prices.

Paul B. Johnson, Leavenworth, Kan.

**BRED SOWS, AUGUST FARROW.**

Duroc sows and gilts sired by Bell's Chief 4th and bred to richly bred boars. Will sell and ship when safe.

FRANK VRTISKA, Pawnee City, Neb.

**HOWE'S DUROCS.**

Special prices on boars and gilts sired by Rex K. champion at Wichita fair this year. Also a few by Perfect Improver, grand champion at Wichita, 1907 and 1908. Only a few left. Get busy and send in your order.

J. U. HOWE, Wichita, Kan.

**"DUROCS GROWN IN THE OZARKS."**

Ohio Chief and Col. blood. Litters by Munice Chief, Model Prince, King of Models, Inventor, The King I Am, Advance; several by Col. Carter, my leading bred boar. They are all grown right, are good and we answer all letters of inquiry.

C. L. CARTER, Albany, Mo.

**20 - BRED GILTS - 20**

Daughters of King of Cols. II and G. C.'s Col. These are very choice gilts priced to sell. Also a few choice boars of summer farrow.

FRANK ELDER, Kansas.

**DUROC SOWS and GILTS**

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.

CHAPIN & NORDSTROM,  
Green, Clay Co., Kan.

**RED POLLED CATTLE****AULD RED POLLS.**

Herd established 7 years. Choice breeding and individuality. Three young bulls for sale.

**AULD BROS.**

Frankfort, Kansas.

**ANGUS CATTLE****25 - BULLS ANGUS - 25**

Ready for Service.

30 BRED COWS AND HEIFERS 30 Sired by or bred to Champion Ito, sire of 1st Prize Calf Herd at American Royal.

10-SHROPSHIRE EWES IN LAMB-10 To Our Imported Show Ram.

SUTTON FARMS, LAWRENCE, KAN.

**JERSEY CATTLE****LINSCOTT JERSEYS**

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

R. J. LINSCOTT, Kansas.

**HEREFORD CATTLE****YOUNG HEREFORD BULLS.**

A choice lot ranging in age from 12 to 20 months, sired by Mystic Baron; all good ones, in fine shape. Among them are some choice herd headers. Prices right. Visitors welcome. Write your wants.

S. W. TILLEY, Kan.

**POLLED DURHAM CATTLE****POLLED DURHAMS.**

Young bulls, cows and heifers bred to Roan Hero, the double Standard champion. Prices reasonable. Write for terms.

C. J. WOODS, Chillicothe, Kan.

**BELVEDERE X2712--195058**

Son of the \$1,500 Grand Victor X1685 150364 heads my herd of Double Standard Polled Durhams. A few extra good, blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town.

D. C. VAN NICE, Richland, Kan.

**DUROC JERSEYS**

Full boars of best of breeding and quality at bargain prices for quick sale, also a few bred sows for June farrow of the best of breeding and bred to good boars. Write at once.

AGRA, KANSAS

**SPRING BANK HERD DUROCS.**

Herd headed by W. H.'s Colonel, the first prize junior yearling boar at Hutchinson Fair, 1909, and Chief's Orion, the third prize aged boar at Kansas State Fair, 1909. A few choice spring boars and sows bred to either of the above named boars for sale.

W. H. WILLIAMSON, Raymond, Kan.

**CEDAR LAWN HERD.**

I have a nice lot of fall boars and gilts sired by Long Wonder, a grandson of International Champion by such dams as Josie Surprise, Bessie Advance and Miss Orion and other popular sows. Write me your wants. F. M. Buchheim, R. 3, LeCompton, Kan.

**CROW'S DUROC JERSEYS.**

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.

W. R. CROW, Hutchinson, Kan.

**25 - Duroc Jersey Gilts - 25**

Spring yearlings bred for last of April and May farrow, large and smooth. The best of breeding priced at \$40 and \$50. Write today, these bargains won't last.

MARSHALL BROS.,

Burden (Cowley County), Kan.

**BERKSHIRES****RIDGEVIEW BERKSHIRES.**

2 herd boars for sale. 1 two-year-old by Forest King, other males of different ages. Sows and gilts open.

Manwaring Bros., Lawrence, Kan.

TAMWORTH HOGS—I still have a few extra good males and some gilts for sale. These are the ideal bacon and alfalfa hogs. They make a great cross on any of the hard breeds. Try one of my June boars before they are all gone. J. G. Troutman, Comiskey, Kan.

**FIELD NOTES****FIELD MEN.**

O. W. Devine.....Topeka, Kan.  
Jesse R. Johnson.....Clay Center, Kan.  
R. G. Sollenberger.....Woodston, Kan.

**PURE BRED STOCK SALES.**

May 18—H. M. Hill, Lafontaine, and S. C. Hanna, Howard, Kan.  
June 10—C. S. Nevius, Chiles, Kan.  
June 11—H. E. Hayes, Olathe, Kan.

**Jersey Cattle.**

June 30, 1910—Kinloch Farm, Kirksville, Mo.

**Hereford Cattle.**

Nov. 16—T. I. Woodall, Fall River, Kan.

**Poland Chinas.**

May 12—C. S. Nevius, Chiles, Kan.  
May 17—Roy Johnston, South Mound, Kan.  
Aug. 11—H. Davidson, St. John, Kan.  
Sept. 20—J. D. Spangler, Sharon, Kan.  
Oct. 19—A. B. Garrison, Summerfield, Kan.  
Oct. 14—T. J. Dawe, Troy, Kan.  
Oct. 18—Herman Groninger & Sons, Bendena, Kan.  
Oct. 21—J. M. Ross, Valley Falls, Kan. and W. E. Long, Ozarkie, Kan., sale at Valley Falls.  
Oct. 22—H. C. Graner, Lancaster, Kan.  
Oct. 25—W. C. Singer, Hiawatha, Kan.  
Oct. 26—W. R. Webb, Bendena, Kan.  
Oct. 26—G. M. Hull, Garnett, Kan.  
Oct. 27—Walter Hildwein, Fairview, Kan.  
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—R. J. Peckham, Pawnee City, Neb.  
Nov. 3—George W. Smith, Burchard, Neb.  
Nov. 3—D. V. Evans, Fairview, Kan.  
Nov. 9—T. J. Melaner, Sabetha, Kan.  
Nov. 19—G. W. Roberts, Larned, Kan.  
Feb. 7—J. M. Koss and W. E. Long, Valley Falls, Kan.  
Feb. 9, 1911—Albert Smith & Sons, Superior, Neb.

**Duroc Jerseys.**

Oct. 28—Thompson Bros., Garrison, Kan.  
Feb. 2—Thompson Bros., Garrison, Kan.

**Horses.**

Oct. 26—W. S. Corsa, Whitehall, Ill.

If you want a good farm in the wheat belt where farming pays, write Carlisle and Dettinger, Meade, Kan. See special bargain under Kansas farms in this issue.

L. F. Schuhmacher, of Meade, Kan., is advertising his own farm for sale in this paper, under heading of Kansas Land. This is offered on easy terms, and for a bargain price. Write him for full information, or better yet, go and see for yourself.

Moore & Falls, of Liberal, Kan., start an announcement card offering cheap improved farms in Northwest Oklahoma and Southwest Kansas at from \$10 to \$25 per acre. Write them for list and descriptions.

**Mr. Hanna Will Sell Best Shorthorns.**

Mr. S. C. Hanna's entries for the eighth annual sale at Fredonia, Kan., on Wednesday, May 18, are the most important, both in point of individuality and numbers of any contribution he has ever made to any sale. His female entries number ten, four of which are by Imported Collynie, three by Prince Royal and one by Imp. Lord Cowslip, all bred to Mr. Hanna's junior herd bull, Hampton Spray, a pure white bull that just now gives promise of developing into a genuine surprise individual. Of his four bull entries two are from his famous Emma family. Four females of this family sold in the last American Royal sale for an average of over \$500. One of these is by Imported Lord Cowslip and has for his dam a great cow—the high priced one of the three Emmas bought by Mr. C. D. Bellows, Marysville, Mo., at the last Royal.

**Kuper's Sale Only Fair.**

Henry H. Kuper's annual Shorthorn sale, held at Humboldt, Neb., April 28th, was only fairly well attended and the average of \$99.25 was far too low for the class of animals sold. Roy Becker, of David City, Neb., topped the bull sale at \$310, buying No. 1, Red Strawn, No. 14, Autumn Queen, was the highest priced female sold. She sold to W. R. Shoebottom, of Fairbury, Neb. An incomplete list of sales follows:

1. Bull, Roy Becker, David City, Neb., \$310.
2. Bull, John Kreulcher, Dawit, \$110.
3. Bull, W. R. Robertson, Humboldt, \$95.
4. Bull, Frank Duder, Table Rock, \$85.
5. Bull, Geo. Smedley, Brock, \$180.
6. Bull, John Leeper, Auburn, \$100.
7. Cow, B. G. Mullins, Elk Creek, \$82.50.
8. Cow, W. R. Shoebottom, \$122.50.
9. Cow, Shoebottom, \$165.
10. Cow, Shoebottom, \$150.
11. Cow, Geo. Smith, Fairbury, \$150.
12. Cow, R. Harshburger, Humboldt, \$110.
13. Cow, Harshburger, \$115.
14. Cow, Geo. Smith, \$140.
15. Cow, Herman Earnst, Graf, \$80.
16. Cow, Geo. Smedley, \$102.50.
17. Bull, D. N. Price, Ralleville, Kan., \$70.

**H. M. Hill's Consignment.**

Mr. Hill's consignment, especially of females, will be largely the get of his young show bull Ingle Lad, and will, we believe, do much toward establishing the reputation of this young bull as a sire. It will be remembered that Ingle Lad has been declared by Mr. Hanna and a number of other excellent judges as the best bull ever sired by Imported Collynie, from the standpoint of individuality. As was the case last year probably the top of Mr. Hill's consignment is a Secret heifer. This one a roan by Ingle Lad out of Mr. Hill's great Collynie show cow, Sycamore Secret. The top of Mr. Hill's consignment is a Mare Missile, a beautiful roan in color, sired by Ingle Lad and out of the great cow, Sweet Mistletoe, she by Imp. Collynie and out of Imp. Mistletoe 15th. Another most excellent Secret has for dam the same cow that was mother of the \$300 calf in last year's sale. Probably one of the greatest attractions of the sale will be the young cow Archer's Emma, consigned by Robt. Evans. She will be remembered as the heifer he bought of Mr. Hanna at \$605 two years ago. She has an usually fine Ingle Lad heifer calf at foot. Sale at Fredonia, Wednesday, May 18. Write for catalog to H. M. Hill, Lafontaine, Kan.

**MODERN HEREFORD**

Herd bulls—Beau Brummel 10th 167719, Beau Beauty 192235.

Robt. H. Hazlett

Hazford Place El Dorado, Kan.

**SCOTCH HERD BULL FOR SALE.**

The Cruickshank Clipper bull, Scottish Archer 283319, sired by Victor Archer 22210 and out of Imp. Noamias Ruth 2nd. An extra good individual and sire but cannot be used in herd longer to advantage, and will be priced reasonable.

S. B. AMCOATS,

Clay Center, Kansas.

**LIZZIE'S GOLD BOY 88298 JERSEY BULL**  
Dropped Oct. 25, 1909; sired by Iddias Gold Boy by Golden One, he by Kentucky Lad, dam Lizzie Sales, out of Jennie Sales, granddaughter of Old Tormentor. Lizzie Sales has record of 480 lbs. of butter in one year and the grand dam of calf on sire's side. Iddias Daisy, a record of 23.7 lbs. in seven days. Extended pedigree showing breeding and all tested dams submitted upon request. Good individual and large for age.

JOHNSON & NORDSTROM, Kansas.

Clay Center,

**POLAND CHINAS****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, Jamesport, Mo.

**MEISNER'S BIG POLAND CHINAS.**  
Headed by Metal Choice, sows are daughters of such sires as Nebraska Jumbo, Pawnee Chief, Big Hadley, etc. 50 fine spring pigs to date and more sows to farrow. Inspection invited.

T. J. MEISNER, Kansas.

**POLANDS! POLANDS! POLANDS!**  
Capt. Hutch, Moguls Monarch and Toulon Prince in service. Big type clear through. 4 young boars for quick sale. 2 July boars that are herd boar prospects.

J. H. HARTER, Kansas.

Westmoreland,

**MELBOURNE HEAD POLAND CHINAS**  
30 choice spring pigs sired by Intole and Brave Metal by Gold Metal. Sows in herd by O. K. Price, Prince Youtell, Chief Gold Dust, Pig Lad, etc. Pigs for sale after July 1st.

John C. Halderman, Burchard, Neb.

**SUNSHINE HERD**  
20 spring and summer gilts for sale, bred for fall litters, price \$35 and \$40, sired by Parnell and other good boars, out of Dot's best Sparton Fancy Silver Tips. 10 spring boars, just right for service, priced reasonable. A. L. ALBRIGHT, Pomona, Kan.

**BIG TYPE POLAND BOARS**

7 Poland China boars September farrow. The tops of our fall crop. Extra good ones. Sired by Grandson of the prize winner Price We Know. Out of big dams of Big Hadley and Major Blain breeding. Will price reasonable.

R. J. PECKHAM, Neb.

Pawnee City,

**STRYKER BROS.' HERD POLAND CHINAS.**

The greatest show and breeding herd in the West. Write your wants and they will please you. Hogs any age at reasonable prices. Buy the best and make the most. They breed the kind that win; the kind you want. Address

Stryker Bros., Fredonia, Kan.

**BIG STRONG SEPT. BOARS.**

Sired by Guy's Monarch, the boar with frame for 1,000 lbs. and a 10 1/4-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, Kansas.

Lancaster,

**EIMDALE POLAND CHINAS.**

10 fall boars and 10 fall gilts. Choice individuals. Sired by Imperial Sunshine and out of Mischievous Muler, Impudence I Know, and Voter dams, \$25 each if sold quick.

C. S. MOYER, Kansas.

Nortonville,

**10 SPRING POLAND BOARS 10**

Big, husky fellows, sired by Orphan Chief Jr. and Hutch Jr., out of strictly big type sows; low prices.

J. F. Menehan, Burchard, Neb.

**30 BRED POLAND CHINA GILTS** for sale. Spring and summer farrow, bred for April and May litters, choicest blood line, also five mature sows and boars ready for service, one by Meddler. Reasonable prices.

F. D. FULKERSON, Brimston, Mo.

**25—SUMMER AND FALL BOARS—25.**

We have for sale 25 good summer and fall Poland China boars, many of outstanding individuals. The best out of 50 head. Must have room for our 200 spring pigs and will sell you a boar at very reasonable figures. Best big type breeding. Write at once. Mention this paper.

HERMAN GRONINGER & SONS.

Bendena, Kansas.

**OHIO IMPROVED CHESTERS****MOSSE OF KANSAS**

Breeder of O. I. C. swine.  
ARTHUR MOSSE,  
Leavenworth, R. F. D. 50 Kansas.

**MAPLE LEAF O. I. C.'s.**

Strictly up to date Imp. Chester Whites, of the best breeding and individuality. A few choice fall gilts and a fine lot of spring pigs to offer. Priced reasonable.

R. W. Gage, R. D. 5, Garnett, Kan.



# KANSAS LAND

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The right land, at the right price, in the right place, from the right man. Write right now to  
H. D. HUGHES,  
McDONALD, KAN.

### REAL ESTATE DEALERS, ATTENTION.

If you want to know how and where to buy advertising space in a big farm paper and a daily paper covering the richest agricultural sections of the United States for less than a half cent a line per thousand circulation write

623½ Jackson Street,  
Roy O. HOUSEL,  
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FINE IMPROVED 160, 5 miles out, \$5-700. Terms. L. E. Thompson, Norwick, Kan.

## HOMESEEKERS

Send for a copy of the Southwestern Kansas Homeseeker, the best land journal published. It's free to those wanting homes or investments. We make a specialty of lands on small payments and easy terms. Address

THE ALLEN COUNTY INVESTMENT CO.,  
Longton, Kansas.

## SNAPS!

35,000 acres in McMullen Co., Texas, all good, level land, black, sandy loam; price \$10.00 per acre.

75,000 acres in southwestern Texas, \$1.35 per acre.

200 acres near Marquette, McPherson Co., Kansas. Well improved. Price \$10,000.

CHAS. PETERSON,  
Hutchinson, 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 CO.,  
Wakeeney, Kansas.

## Buy This if You Want a Good Farm

160 a., 6 miles from Newton. 1½ miles from market. Good six-room house, barn 30x40, all rich bottom land, can't be beat for alfalfa, corn and wheat. Price \$12,000, half cash. 200 other good farms for sale right.

SOUTHWEST LAND CO.,  
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## Labette Co. Bargain.

80 a., 1¼ mi. from Coffeyville, new 8-room house, barn, granaries, etc.; plenty water, lays nice, gas, telephone, R. R., short time for \$4,000. Also sell implements, hay, grain, if desired, etc.

BOWMAN REALTY CO.,  
Coffeyville, Kansas.

## Ottawa Co. Bargain.

160 acres, 3 miles town, 110 cultivation, balance pasture, 4-room house, barn, 65 acres wheat, all goes with possession, \$6,500. Easy terms. New list free.

J. S. Boyle,  
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## GOOD FARM.

341 acres adjoining town, highly improved, 6 acres alfalfa, 5 miles fence, mostly woven wire. Further particulars write

J. C. ELVIN,  
Harper, 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,  
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## KINGMAN CO. LANDS

Banner Wheat and Corn County of the State. Write for Selected List.

BROWN REAL ESTATE CO.  
KINGMAN, KAN.

## Land Bargains

ELLIS AND TREGO COUNTIES. Where corn, wheat and alfalfa produce big crops. Prices are now only \$15.00 to \$40.00 per acre; about half what the lands are actually worth. Write for further information and bargains.

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## 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,  
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## Land Bargains

I HAVE 11 of the best quarter sections of land for sale within 4 miles from Minneola, some of them improved, and some all sown to wheat that I can sell for from \$35 to \$40 per acre. Will give terms to suit. Will be pleased to hear from you at any time.

EUGENE WILLIAMS, Minneola, Kan.

FOR FREE INFORMATION about Allen county lands write F. W. Frevert, 51 years a Kansan, Gas City, Kan.

Ellis and Trego County lands, at the lowest prices on the best terms. Write for list, sent free.  
C. F. SCHEPMANN,  
Ellis, Kansas.

LOGAN, THOMAS AND GOVE CO. LAND.

In tracts to suit purchaser, at \$10 to \$30 per acre. If you want a good home and paying investment, write to or call on

F. E. CANAN,  
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\$20 acres, 1 mile Wilson, 220 acres in cultivation, fairly well improved, would make a fine wheat and dairy farm. Price \$21,000. Easy terms. Other farms. If above doesn't suit, write me.

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### 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.

TREGO COUNTY LAND.

Where prices are advancing rapidly, at low prices on liberal terms. Near markets, churches and schools. Write for prices and descriptions.

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Wakeeney, Kansas.

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

### A DANDY HOME.

640 acres out one and half miles from Grainfield, \$3,500 worth of improvements, 450 acres in wheat and spring crop, balance pasture, all can be farmed, 2 good investment at \$30 per acre, crop included if taken soon. S. J. BAKER, Grainfield, Gove Co., Kan.

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\$15.00 to \$25.00 per acre. Buy now and you will double your money soon. Write for prices, descriptions and full information. List free.

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### SOLOMON VALLEY LAND.

80 a. improved, 3 mi. to market, 40 a. pasture, 40 a. tilled, \$2,000. 640 a., 320 a. can be plowed creek through this section, 5 mi. to market, \$12,800. 400 a. all grass, one-half tillable, 5 mi. to market; terms: \$6,000. 160 a., 4¼ mi. out, all good land, 80 a. broke, terms \$8,800. Other farms for sale and exchange. List free.

A. E. ROBINSON LAND CO.,  
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240 ACRES within one mile of Rexford, all smooth, tillable lands, good seven-room house, nearly new, good barn with hay loft, hen house, hog house, corn cribs, granary and stock shade, 130 acres in cultivation. Price \$7,500. Many other bargains located in Sheridan and Thomas counties, Kansas. Also Colorado land from \$8.00 per acre up.

A. T. LOOMIS,  
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SHERMAN COUNTY LANDS, where prices are advancing rapidly, \$12 to \$30 per acre, good terms. Gulf and Northwestern Railroad now building at Goodland. Unexcelled opportunities for homeseeker and investor. Now is the time to buy, and you will double your money shortly. Write for free illustrated literature.

GLIDDEN REAL ESTATE CO.,  
M. E. Glidden, Mgr.,  
Goodland, Kansas.

CAN GIVE IMMEDIATE POSSESSION

of 120 acres, 4 miles out, 7 miles to county seat, good roads, 75 a. in cult., 45 a. pasture, 2 a. alfalfa, some orchard, land lies fine, 2 a. hog tight, good well, windmill and tank, pond in pasture, 1½ story frame house, 13x24, barn for 8 head, cow barn, hen house, granary, etc.; 30 a. wheat, 1-3 goes to purchaser. This farm can all be put in cultivation except about 10 acres; good soil, fine location. On R. F. D. and telephone. A bargain at \$46 per acre. Terms on part. Get our list.

Shepard & Hoskins,  
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### KANSAS FARM BARGAIN.

160 acres nice, smooth land, 2½ miles city limits of Parsons, Labette county, 5 room house, good barn, 6 acre family orchard, 8 fenced hog tight, 50 prairie meadow, 20 blue grass and blue stem pasture, balance in cultivation. R. F. D., and telephone line, \$50 per acre. Good terms. Also 320 acre stock and grain farm, Linn Co., \$25.00 per acre; easy terms. Other Missouri and Kansas farms.

THE STANDARD LAND CO.,  
Room 4, Ricksecker Bldg., Kansas City, Mo.

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

FOR REPUBLIC COUNTY corn, wheat and alfalfa lands, at reasonable prices on good terms. Write or see Hall & Cartensen, Belleville, Kan.

FREE LIST. Dickinson County corn, wheat and alfalfa farms. Write today. Baumgarth & LaPort, Abilene, Kan.

PHILLIPS COUNTY corn, wheat and alfalfa lands, \$40.00 to \$60.00 per acre. Prices rapidly advancing. Write or see L. E. COUNTRYMAN, Phillipsburg, Kan.

FOR SALE—Improved 160 acre farm, near Parsons, Kan., fine improvements, black loam soil, price \$25 per acre. Write WALKER & CARDWELL, Parsons, Kan.

FREE—32 page booklet, brimful of interesting and valuable information about Smith County and corn and alfalfa land. MAHIN BROS., Smith Center, Kan.

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, 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.

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RENO COUNTY FARM—320 acres highly improved, fine new house with gas and water in, sandy loam soil, best kind corn and wheat land; price \$4,000. Other bargains.

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MIDDLE AND SOUTHWESTERN KANSAS LAND.

Corn, wheat, alfalfa and ranch lands, at low prices on liberal terms. Great opportunities for homeseeker and investor. Be sure to see me before you change your location.

E. B. FRITTS, Real Estate Broker,  
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BARGAINS IN LAND.

A well improved 10,000 a. ranch in Sherman Co., \$10 per a., easy terms, also other smaller ranches and 100 scattering quarters and half sections from \$9 to \$12 per a.

M. ROBINSON, the Land Man,  
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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.

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In Cloud, Washington and Republic counties, where all staples produce bountiful crops and prices are advancing rapidly. Best section in Kansas for a home or investment. Write for a free list.

Nelson Land Co.,  
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500 ACRES, 6 miles Smith Center, county seat, 350 acres under cultivation, 140 wheat, 50 alfalfa and hay, 160 pasture, balance for corn; extra good house, barn, well, windmill, outbuildings, 1-3 all crops go, if sold soon. \$40 an acre. Other farms.

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DICKINSON COUNTY FARMS.

Good water, good climate, corn, alfalfa and wheat produce mammoth crops. We sell these lands at prices that will produce big interest on the investment. Write us for full information.

Murphy & Fenton,  
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SHARON COUNTY ALFALFA LANDS.

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

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Home of corn, alfalfa and wheat. Lands \$25 to \$75 per acre that would be cheap at twice the money. Values advancing rapidly. Now is the time to buy. Descriptions and full information free.

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LET ME SHOW YOU

That Western Kansas farms and ranches are the best to be had at the price. Wheat, barley, rye, corn, broomcorn, cane and millet are the products. Good stock country. Best of soil and water, healthy and nice people, farmers and ranchmen are making easier livelihood than anywhere else. What more do you want? Improved farms \$12 to \$30 per a., raw land \$10 to \$20 per a. Write for list. J. C. JONES, Kanorado, Kan.

NEMAH COUNTY KAN., BARGAIN.

100 a. farm lying 7 miles S. W. Corning, 30 a. corn land, 8 a. prairie meadow, 2 a. fine orchard. Land not rough stony nor ditched. Good five-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 \$40 per a. Good terms. Other propositions. C. E. Tinklin, Corning, Kan.

JUST LIKE STEALING.

To take this beautiful half section in Cowley Co., only 8 miles from a good R. R. town. In a fine community, school, church, and stores, only ½ mi.; free phone, rural route, 5-room house, cistern, good stable, well, finest water in the state, pond, two orchards, 100 acres cultivation, bal. splendid bluestem pasture, can all be tilled but 20 a. level, upland country farm, smooth and level; soil is a deep black limestone loam, average over 40 bu. of corn per a. last year; grows alfalfa perfectly; only \$30 per a. for a short time; you'll have to hurry, this won't keep; \$5,000 cash, balance back; talk fast; it's money for you.

SHARP REALTY CO.,  
Turner Bldg., Wichita, Kan.

JEWELL COUNTY. Leads them all, according to Coburn, in corn, alfalfa, poultry, mules, cattle, hogs, honey. Write what you want to GREEN REALTY CO., Mankato, (county seat), Kan.

BARGAIN.

Improved ½ section level farm land, 1-4 mi. P. O. and school, 250 a. in cultivation, 100 a. wheat, 1-3 crop goes with place. Price \$30 a.; make very reasonable and long time terms. W. B. Grimes, Owner, Ashland, Kan.

240 ACRES VALLEY LAND.

Good improvements, near school, 4 miles town, several acres orchard, fine grove forest trees, water at 12 to 30 feet, \$30 per acre. Good terms. Big list and booklet free. PARK M. THORNTON, Coldwater, Kansas.

COWLEY COUNTY BARGAIN.

284 acres, 2½ miles of Arkansas City, 160 acres is Arkansas river bottom land, 40 acres in alfalfa, 120 for corn; 9-room house, bank barn 36x40, small orchard and windmill. Price \$57.50 per acre. Write R. A. GILMAR, Arkansas City, Kan.

IMPROVED FARMS.

\$35 to \$60. Producing immense crops corn, wheat and alfalfa. Nearly every farmer has 10 to 100 acres alfalfa. Fruit of all kinds and vegetables do well. List free.

W. C. ALFORD,  
The Pioneer Real Estate Agent,  
Hazelton, Kansas.

CORN AND ALFALFA FARM.

53 acres river bottom, 6 room house, good new barn, 2 wells, windmill, family orchard, double granary, abundance large shade trees, 2½ miles good market, some alfalfa. Write for price and full description free. Box 114, Minneapolis, Kan.

FOR HOMESSEEKER OR INVESTOR.

Kiowa and Cavalry Creek Valleys, 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.

\$15.00 PER ACRE QUICK SALE—Fine 800 a. farm and stock ranch, four and one-half mi. from Kanorado Co., big frame barn for horses and cattle, conveniently arranged. Hay mow, cattle shed and granary for 1,000 bu. of grain; good sod house and cave, fenced and cross fenced, all tillable, 175 a. under plow. Easy terms.

G. W. SAPP,  
Goodland, Kan.

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, Kan.

SPECIAL BARGAIN.

Square section 3½ miles Firewater, some rolling, but not rough, fair buildings, two wells, and mills, fenced and cross fenced; 240 acres in cultivation, at sacrifice. Price \$12.50 for short time. \$3,000 5 years at 6 per cent. Odd quarters, half sections, 3 to 8 miles Brewster, smooth raw land, \$12.60 to \$18.

Wheeler & Mallory,  
Brewster, Kan.

BEST FARM IN KANSAS.

560 acres bottom valley land, all smooth, fine, black sandy loam, no waste land, small orchard, 20 acres fine alfalfa land, new 10-room house, hot and cold water, lighted with acetylene gas, bath and toilet, 500-barrel cistern, sewer system, R. F. D., telephone, 5½ miles to two railroad towns. Price \$65 per acre. For further particulars write

Neal A. Pickett,  
Arkansas City, Kan.

240 ACRES OF LAND

3 miles north of Selden, on Prairie Dog creek, about 70 acres good alfalfa land, 100 acres broke, small house and other improvements, some timber. Price for the next 30 days, \$4,000. Good terms. Other farms. Write for free literature.

GEO. P. LEWIS & CO.,  
Selden, Sheridan Co., Kansas.

BARGAINS IN WHEAT LANDS.

320 acres, 4 miles Brewster, good house, barn, granary, blacksmith shop, well, windmill, 200 acres in cultivation, 1-4 of crop goes, only \$24 acre, good terms, 480 raw land, 5 miles Brewster, all level, \$18 acre. 160, 6 miles Brewster, \$16 acre. Other tracts at bargain prices.

LUND REAL ESTATE CO.,  
Brewster, Thomas Co., Kansas.

TREGO COUNTY LANDS.

Where you will have good churches, schools, neighbors and markets at \$12.50 per acre and up. Corn, wheat, alfalfa and all staples produce big crops. Write for illustrated descriptive literature and list, mailed free and postpaid. Also 800 to 7,000 acre tracts, in solid bodies, for \$10 to \$15 per acre. KANSAS & COLORADO LAND CO., Wakeeney, Kan.

I HAVE SOLD my half section near Colby and now offer a fine, smooth quarter 3 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 barn, gain at \$2,000 cash.

These are bargains and must be sold soon. Address

IKE W. CRUMLY,  
Brewster, Kan.

AN IDEAL FARM FOR SALE.

Kansas farm of 300 acres, adjoining a flourishing railroad town, forty miles west of St. Joseph, Mo. The soil naturally rich has been made more fertile by twenty years of judicious crop rotation and by the liberal application of manure; well watered, fine walnut timber, finest blue grass pastures, alfalfa, timothy and clover meadows; finest corn and wheat land; well fenced; hay, cattle and horse barn for a large amount of live stock; large silo, water tanks, granary, fine mill, etc. A model stock or grain farm, ready for use. An excellent opportunity. For complete information address K. 225, care Kansas Farmer, Topeka, Kan.



# KANSAS LAND CONT'D

## 4240 ACRE RANCH AT A BARGAIN

In the best grazing district of Kansas, all in a solid body. Has four miles of living water. Sixty per cent of good farm land. 525 a. good alfalfa land, 125 a. ready set. 475 a. in cultivation. This ranch has 17 miles of three and four wire fence. Two sets of improvements: house 32x32 two stories high; school 1/2 mile from improvements; five miles from town on the main line of the Rock Island R. R. Price \$15 per a. Terms, \$14,000 in 3 to 5 yrs., 7 per cent int. \$11,000 in 3 to 5 yrs., 5 per cent int. \$4,000 in 3 years, 7 per cent int. Balance of purchase price cash. Can divide into two ranches. Write for our list of wheat and alfalfa lands.

Minneapolis,

MINNEOLA LAND CO.

Kansas.

### WALLACE COUNTY, KANSAS.

Where land is now selling for \$10.00 to \$15.00 per acre. If you buy now you will double your money shortly. The best "buys" in Kansas are to be had here. If you are looking for a good home or money-making investment, write me.

G. G. IMMEL,

Land Agent,

Sharon Springs, Kan.

### SHERIDAN COUNTY

LANDS MY SPECIALTY. WRITE M. D. GALLOGLY, REAL ESTATE BROKER. HOXIE, KANS.

### GOVE COUNTY LANDS

\$8.00 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., Gove, Kan.

### GOVE COUNTY

If you want to buy wheat and alfalfa land, at the lowest prices on the best terms, write to or call on

O. B. JONES.

Gove,

Bonded Abstractor,

Kan.

### Rooks and Graham Co. Land

In any sized 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,

Palco,

Kan.

### OUT THEY GO

### OUT THEY GO

To Sherman County, Kansas. Write to T. V. Lowe, Goodland, Kansas, for information. 160 acres, all smooth, black soil, well improved, 2 1/2 miles from Goodland, \$3500. 160 acres, all smooth, 6 miles good town, \$11 an acre. Write at once.

### MODEL STOCK RANCH

480 acres, 6-room house, barn for 12 head and good outbuildings: good orchard, well and wind mill, 160 acres in cultivation, 5 acres alfalfa, 320 acres pasture, 5 miles to town. School house on the place. Price \$35 per acre.

Eldorado,

G. F. RICKETS,

Kansas.

### MEADE COUNTY FARMS

400 farms, 160 to 640 acres, improved and unimproved, at \$12.50 to \$25.00 per a., easy terms. 320 a. 7 mi. Meade, in German settlement. 300 a. fine tillable land, 106 a. cult., price \$6,400. Experienced salesman wanted. CHAS. N. PAYNE, Hutchinson and Meade, Kansas.

### Looking for This?

For Sale: For a quick deal, 240 acres of good land, S. E. quarter of 15-24-17 and E. 1/2 22-24-17, two miles north and half mile east of Piqua, Woodson county, Kansas, at \$25 per acre, half cash, balance on liberal terms. If you are looking for a snap, go and see this. Don't write until you have examined it.

### J. B. Van Deren

1410 Union Ave., Kansas City Mo.,

### Rawlins County

Good lands for sale at \$10 to \$25 per acre, on good terms. These lands are well located, near schools, churches and markets. Write us for further information.

ROBERTSON &amp; HORTON,

Atwood,

Kansas.

### Have You School Children?

We have just listed a well improved 80 acre farm only two miles from County High School, good seven room house, practically new barn, all tillable and no rock, \$4800.00.

DONAHUE &amp; WALLINGFORD,

Mound Valley,

Kansas.

### 2720 - ACRES - 2720

4 1/2 miles running water, fenced, 360 tons of hay put in stack last year. 400 a. bottom land suitable for alfalfa. \$12,000 can be carried five years at 6 per cent. Best all around stock farm in the West. Price \$12.00 per acre.

G. W. McEWEN, Agt.

Wallace,

Kansas.

### The Hoxie Realty Co.

Farms and ranches, any kind of land. Some of the best alfalfa, corn, wheat and hay land in the West. Also ranches with timber and running water. Good business propositions in Hoxie. For further particulars write us.

Hoxie Realty Co.,

G. H. Walbel and M. L. Bell,

Hoxie,

Kansas.

H. J. SETCHELL & SON Real Estate, Morland, Kansas. Send for free list of Graham and Sheridan County lands.

### A RICE COUNTY HOME.

A fine quarter section 3 1/2 miles from Lyons, splendid improvements, orchard, 30 acres fine alfalfa, 50 acres pasture, all tillable, 70 acres in corn, all goes with place, school 10 rods. Possession if sold at once. Price \$13,000.

NODURIT &amp; TORREY, Lyons, Kan.

### FINE FARM CHEAP.

A No. 1 40 a. farm 1 1/4 mile from good county seat town, good buildings, splendid water and family orchard. Raised 412 bushels wheat last year on 16 a., reason for selling going into business. For particulars and price address owner.

E. T. JARRETT,

R. F. D. No. 3, Columbus, Kan.

### WALLACE COUNTY LANDS.

At \$10,000 to \$25,000 per a. You will double your money if you buy now. If you want a good investment, write for further information. The Great Western Development Co.

H. FITZGERALD, Mgr.

Hays,

Kansas.

### BARGAINS IN GAS BELT.

120 a. in Wilson Co., Kan. Fine soil, well improved, lays well, good 7-room house, good barn, orchard, grove, paying \$120 gas rental. Close to market. Will pay to investigate.

SHANNON &amp; HARSFIELD,

Fredonia, Kansas.

### FARM BARGAIN BY OWNER.

240 acres located 2 1/2 miles from Meade, Kan., 100 acres in cult., good well and windmill; price \$4,000, \$2,800 cash, balance 3 years at 7 per cent annual int. Write for list of other properties. L. F. SCHUMACHER, Owner, Meade, Kan.

### KIOWA COUNTY, BARGAIN.

160 acres improved, 4 miles to town, 60 acres pasture, 10 acres wheat to purchaser. Price \$4,500. 640 acres hard land, well improved with share or wheat at \$50 per acre. J. A. BECKETT, Greensburg, Kan.

Million acres Texas School Land for sale by the State; \$1.50 to \$5 per acre; only one-tenth cash, 40 years on balance; 3 per cent interest; good agricultural land; some don't require residence; send 50 cents for 1910 Book of Instructions, New State Law and description of lands. J. J. Snyder, School Land Locator-Congress Ave., 558, Austin, Tex. Reference, Austin Nat'l Bank.

12,700 ACRE ranch, 8 miles Sharon Springs, county seat and Union Pacific division point; 8 miles of creek, 3,000 acres alfalfa land; fine blue-stem hay now on land, which cut 500 tons last year; fenced; will sell in bloc or in tracts to suit purchaser, at \$12.00 per acre. Will give terms.

HAYS &amp; WARD,

Sharon Springs,

Kansas.

### GOOD STOCK RANCH.

560 acres, 200 acres in cultivation, 300 more can be, 360 acres pasture, this is valley land. Improved 4-room house, barn 40x60 ft., granary, etc., family orchard, some timber, fenced, watered by well and never failing springs. Located 2 miles from railroad town, 8 miles from Winfield in Cowley, County, Kan. Price \$30 per a. Call on or write THE NELSON REAL ESTATE & INC. CO., 137 N. Main St., Wichita, Kan.

640 ACRES RAW LAND 8 mi. from Brewster, Kan. Smooth and pretty, good soil. Price \$6,850; \$2,850 can run 17 years at 6 per cent, optional.

160 acres smooth farm, small frame house, 40 acres in wheat, balance fenced in pasture, all smooth and tillable, 8 mi. from Brewster, on R. 1, 1-4 crop delivered, and all for \$2,000. E. W. Albright, Brewster, Thomas Co., Kan.

### ROOKS COUNTY.

Corn, wheat and alfalfa make big crops every year. We sell these lands at \$20 to \$75 per acre, on good terms. These prices are advancing rapidly. Now is the time to buy and get the advantage of the big increase in land values sure to come. Write for further information.

CASE &amp; WILSON,

Plainville,

Kansas.

### KANSAS LAND.

240 acres, 10 miles Lincoln, Center, 6 good market, 1 1/2 country store, 1/2 school; on R. P. D., telephone and cream route, 160 acres in cultivation, 30 alfalfa, balance corn and wheat land; 80 acres pasture; good improvements of all kinds in fine repair. In good German neighborhood. Price \$50 an acre, on terms to suit.

W. T. NIMMONS,

Lincoln,

Kansas.

### EAST KANSAS FARM BARGAINS.

90 acres Franklin Co., Kan., 65 a. in cultivation, 25 a. native grass, 2 a. orchard, new 7 room house, barn for 4 horses, other outbuildings, 8 mi. to Ottawa, R. F. D. Enc. \$2,000. Price \$60 per acre.

84 a. Franklin Co., Kan., 59 a. in cultivation, 25 a. native grass, 3 room house, stable for 4 horses, other outbuildings, 8 mi. to Ottawa, R. F. D., Enc. \$2,200. Price \$61.50. For full particulars write

Mansfield Land Co., Ottawa, Kan.

134 ACRES, 2 miles from Cottonwood Falls and the same distance from Strong City, on the main line of the Santa Fe. 70 acres of alfalfa, 60 acres in corn and 4 acres in orchard and lots. A small house and fair barn and other outbuildings, 2 wells with windmills. Has telephone, daily mail and close to school; this is a fine bottom farm, every foot alfalfa, corn and wheat land, good locality. Price \$80 per acre; can give liberal terms. Will sell on contract and give possession this fall. J. E. BOCCOOK, Cottonwood Falls, Kan.

For free information about Thomas and adjoining counties. Write to or call on Trompeter & Son, Kansas.

Colby,

Kansas.

SHERIDAN COUNTY LANDS at \$15.00 to \$35.00 per acre. You will have to act quickly. Write for further information. W. S. Quisenberry, Hoxie, Kan.

### WESTERN KANSAS LAND.

In Lyon and adjoining counties from \$11 to \$25 per acre, according to location and improvements.

T. E. HALE,

Solomon,

Kansas.

### A BIG BARGAIN.

2120 acres fine wheat, corn, alfalfa land, except 200 acres pasture, well located, watered and improved. Most of this worth twice the price. \$13 per acre. A sure snap.

M. G. STEVENSON,

Ashland,

Kansas.

65 ACRES GOOD BOTTOM LAND, 2 mi. town. Small house and barn, 9 a. alfalfa and 100 fruit trees. Price \$75 per acre. We have a steam laundry that clears \$100 per month, for sale at a bargain if taken before May 1st. Write for free list and exchanges. Frank Miller & Co., Minneapolis, Kan.

### FOR SALE.

Sherman county lands, in any size tracts on most liberal terms. Write for prices, descriptions and illustrated literature mailed free and postpaid.

IRA K. FOTHERGILL,

Goodland,

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 &amp; DETTINGER, Meade, Kan.

### 1000 ACRES WHEAT AND ALFALFA

LAND AT \$12.50 PER ACRE. 600 acres of this sub-irrigated, alfalfa, river bottom land under ditch. Stone house, fenced, 5 1/2 miles to R. R. town. Price \$6500 cash. Terms on balance to suit purchaser. Write H. M. DAVIS, Greensburg, Kan.

### CLARK COUNTY BARGAIN.

2,500 acres, 12 miles of Bucklin, all fenced, good running water, 20 acres natural timber, good improvements, 500 acres good alfalfa land, easy terms. Price \$18 per acre. Write

Bucklin,

H. E. McCUE,

Kansas.

### STAFFORD COUNTY BARGAINS.

160 acres, 4 1/2 miles of Macksville, Kan., nice, level land, well improved, good house, near school and church, 50 acres in wheat, balance corn and pasture land, one-third crop goes with farm; possession in September, 1910. Price \$9,000. Call or write CHAS. P. FIELDS, Macksville, Kan.

### HAVE YOU ANYTHING TO TRADE?

If you have list it with Howard, the Land Man, and he will get you something in short order that will suit you. I have farms to trade, automobiles, houses and lots, in fact, everything you can think of that you are likely to want. Talk it over with Howard, the Land Man, Room 15, Turner Bldg., Wichita, Kan.

640 ACRES, smooth as a floor, 2 1/2 miles station, well improved, 6 room house with double cemented cellar, porch nearly around house, large barn, 320 acres fenced with 3 wires and hedge posts a rod apart; 320 acres in cultivation, good well, windmill and tank. Price \$25.00 an acre. Terms. Other farms at lower prices.

JOSEPH SAGER,

Colby,

Kansas.

160 ACRES, 4 1/2 miles Selden, good five room new house, half in cultivation, 70 acres in wheat, all necessary improvements, on rural route, fenced and cross fenced, school house on one corner of the place; everything in good shape; price \$4,000; terms. Other farms.

Trimble &amp; Trimble, Selden, Sheridan Co., Kansas.

### ADMINISTRATOR'S SALE.

160 a. 1/2 mi. from Downs, about 80 a. broke, balance in pasture with good fence, all good farm land, 30 a. in wheat, balance in corn, 1-3 goes with place delivered in town. The best of sand in pit place, 1 a. of it will pay for the place. For terms address

Downs,

B. D. Courter,

Kansas.

### FIELD NOTES.

#### Vrtiska's Durocs.

Elsewhere in this issue will be found the advertisement of Mr. Frank Vrtiska, the Duroc Jersey breeder, or Pawnee City, Nebraska. Mr. Vrtiska offers choice gilts and sows sired by Bells Chief 4th, bred for August farrow. Mr. Vrtiska has about 140 choice spring pigs sired by Golden Rule, Jr., 63253 by Golden Rule. His dam was Cedarvale Queen by the noted boar Topnotcher. Other pigs are by Sir Royal Chief, Tom Davis, Golden Model 2nd and Ohio Col. Sir Royal Chief is a worthy son of Ohio Chief and his dam was Royal Blossom 55th by American Royal. Among the good sows in herd are Crimson Belle by Crimson Dandy, Savannah Bell again by Ohio Chief and out of the noted sow Savannah Bell. She has fine litter by Sir Royal, May Sunshine by the prize winner, Bells Chief, 22727. Golden Queen's Daughter by Golden Rule, Maud Critic by Critic's Echo, Nebraska Wonder by Prince Wonder. The sows that are advertised are in pig to the herd boars for August farrow. They are good individuals and will be priced to sell. Mention Kansas Farmer when writing.

#### Tiller's Durocs.

Mr. O. A. Tiller, the hustling young Duroc Jersey breeder, located at Pawnee City, Nebraska, has his usual fine lot of pigs this spring. They are by Tom Davis 42009 and other good boars. Tom Davis formerly headed the Gilbert Van Patten herd. He has quite a record as a show hog and a producer of show hogs. Among the sows in Mr. Tiller's herd are Monarch 28395, King Marti 14005, Farmer Burns, Billie K., Jr., Critics Echo, Arlon 22587, W. L. A.'s Choice Goods, Duroc Challenger and other boars of note. Write Mr. Tiller about Durocs and mention Kansas Farmer.

### Jersey Bull to Kansas.

Johnson & Nordstrom, Jersey breeders of Clay Center, Kansas, have recently purchased from Kinlock Farm at Kirksville, Mo., the excellent bull Ooner's Eminent 85865. He is a good individual and a grandson of the imported bull Rosettes Golden Lad, also of Financial Queen, imported. She has a record of 57 pounds milk daily. The dam of Ooner's Eminent is Ooner's 2nd, by Guenon Golden Lad 82138, a cow of such merit that her present owner refuses to price her.

R. J. Peckham's great Poland China sow, Nan Patterson, has recently farrowed fourteen dandy pigs, ten of which are alive and doing well. If you want a fall boar that is a crackerjack, write Mr. Peckham at Pawnee City, Nebraska.

### Garrison's Poland Chinas.

A. B. Garrison, the old-time Poland China breeder at Summitville, Kansas, authorizes us to claim October 19th as the date for his fall sale. Mr. Garrison has about sixty fine pigs sired by the great boar, Gold Metal, a few by son of Hutch, Jr., he by Big Hutch. The pigs are out of big sows by Gold Metal, Prince Youtell, Bell Metal, Price We Know, Blains Wonder, etc. Mr. Garrison's neighbors say he will be the next Treasurer of Marshall County. If there is any better fellow on any Kansas farm than Bert the writer has never met him.

### Geo. W. Smith's Polands.

Geo. W. Smith, who is one of the fellows that is helping to keep Nebraska famous for big Poland Chinas, will hold his annual fall sale on November 3. Mr. Smith has over a hundred good pigs by his boar Mammoth Hadley by Big Hadley. His dam was Lady Hutch by the noted boar, Bright Look. Mr. Smith has moved onto his own farm and has already built a large and conveniently arranged hog house and made other improvements necessary to the successful raising of good hogs. Mr. Smith's pigs are out of a splendid line of tried sows, among them Lady Youtell by Gold Metal. Her dam was a sow by Old Price We Know, Miss Quality by First Quality, her dam was by Old Over Chief; Violet by Chief Gold Dust, several daughters of Mammoth Hadley, five good litters are by Mr. Smith's young boar, Grand Model by Look Grand and out of a King Dodo sow. Mr. Smith's present location is eleven miles southeast of Burchard, Neb., seven miles northeast of Summitville, Kan.

Write H. E. McCue, Bucklin, Kan., for terms on 2,500 acres of Clark county land at \$18.00 per acre. This is a bargain and will not last long at the above price.

The Minneola Land Company, of Minneola, Kan., are advertising a tract of land in this issue under Kansas Lands. Look it up. It's a snap.

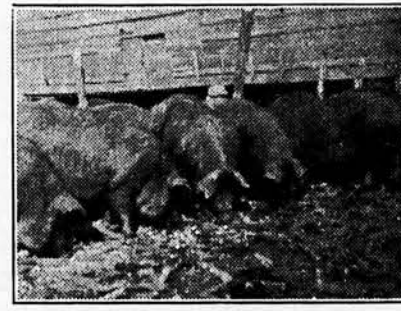
Th J. N. Johnson Land Company, Dalhart, Texas, are sending a handsomely illustrated book absolutely free to Kansas Farmer readers. Be sure to mention The Kansas Farmer when you write for it. Many of the best land bargains in the country are to be found around Dalhart.

### LIGHTNING RODS BACKED BY \$50,000 GUARANTEE.

George M. King, originator and manufacturer of King Lightning Rods, believes his system of lightning rods so perfect that he backs it with a \$50,000 guarantee. These are the lightning rods so well and favorably known—the system endorsed by the United States Government—used on the White House U. S. Capitol building, War Department Headquarters and other Government buildings through the country. The King Rod is made from a 30-strand woven wire cable over 99 per cent. pure copper. It is apparently impossible to manufacture a better lightning rod than these to which Mr. King has devoted so much expert attention and time. With material of finest obtainable quality, expertly put together, with every connection perfect and installed



by trained agents, one whose home and buildings are equipped with them may enjoy absolute safety, no matter how severe the lightning. King Rods have the endorsement of 20,000 farmers on whose buildings they have been placed. They are considered perfect by commissions in charge of public buildings, building contractors and others qualified to judge. Mr. King urges every reader of Kansas Farmer to see King Lightning Rods first, whatever rod they may have in mind; and to remember that King Rods cost no more than others and guarantee positive protection. This is the beginning of the thunder storm season. Forecasters predict many severe storms and now is the time to prepare for them. Write to Mr. King and tell him your needs. He wants a number of good farmer agents. Perhaps you can find time to represent him and add considerably to your income. His free illustrated book, "Lightning Facts," will be sent any of our readers who write for it, mentioning Kansas Farmer in the same letter.



Fall yearling Duroc Jerseys in the herd of Marshall Bros., Burden, Kan. These fine gilts are advertised for sale in the Kansas Farmer.



## TEXAS LAND

### A PARADISE RECLAIMED

15,000 Acres Actually Irrigated in the  
**BEAUTIFUL PECOS RIVER VALLEY OF TEXAS.**  
 Deep, rich soil. Abundance of water. Delightful climate. Right on Santa Fe  
 Railroad, station in center of tract.

**DAM, RESERVOIR, CANALS, ALL COMPLETE NOW.**

Free water with every acre. Selling fast. Act quick if you want an actually ir-  
 rigated farm cheap, or an investment that will pay you 50 per cent annually. Excu-  
 sions and cheap rates first and third Tuesdays of each month.

Most desirable irrigated land and townsite proposition on the market today. Send  
 for interesting booklet. Tells you about it. Good live agents wanted in every locality.

Topeka,

ARNO IRRIGATED LAND CO.,

Kansas.

### FREE TRIP TO TEXAS

If you want to take a free trip to the Sunny Pecos Valley of Texas where they  
 cut six crops of alfalfa and raise all kinds of fruits and vegetables, write us for  
 further information.

THE HEATH COMPANY.

TOPEKA, KAN.

#### GOOD RANCH.

3,368 acre ranch, improved. \$5.00 acre.  
 Robertson Co., 7 miles county seat. A4-  
 joining land couldn't be had for twice our  
 price. Would sell part or all. All fine  
 grass and much first class farm land. De-  
 tailed description and plat free.

C. A. BABCOCK.

Harper,

Kansas.

#### Dalhart, Texas

is where we are lo-  
 cated 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.

## Oklahoma Land

"WE SELL THE EARTH."  
 Farmers grow wealthy in a short time in Custer and adjoining counties in Okla-  
 homa growing hogs, corn and alfalfa. Farms at from \$30 to \$50 per a. Write us for  
 land list.

Clinton,

DULANY &amp; RANDOL,

Oklahoma.

CORRESPOND with us about Garfield  
 Co. land, McCarty & Plumley, Enid, Okla.

IF YOU have money to loan on good farm  
 and city security, write John Hankins,  
 Chickasha, Okla.

FREE INFORMATION about Oklahoma.  
 Homer H. Wilson. Here since 1893. Enid,  
 Okla.

MAJOR COUNTY corn, wheat and alfalfa  
 lands. Lowest prices. Best terms. Infor-  
 mation free. J. Nile Godfrey, Fairview,  
 Okla.

CADDO CO. FARMS.  
 Best in Oklahoma for homes or invest-  
 ment. Your address on postal card will  
 bring descriptive list and literature.

BALDWIN & GIBBS CO.,  
 Anadarko, Okla.

A CUSTER COUNTY BARGAIN.  
 160 acres, 2 miles R. R. station, \$0 in  
 cultivation, 65 fenced in pasture, fine water,  
 40x40, orchard, telephone, R. F. D., near  
 school, 4 miles county seat. Price \$9,000.  
 Write

Vinita, Okla.  
 WASHITA VALLEY LANDS.  
 Good corn and alfalfa farm, four miles  
 Pauls Valley, one mile State Industrial  
 School. 170 acres, 150 under cultivation.  
 150 acres Washita Valley, 6 room house,  
 above overflow. Electric line soon. Price  
 \$10,000.

O. W. JONES,  
 Pauls Valley, Okla.

NOTICE TO RENTERS.  
 Here is something you may never see  
 advertised again: No. 240-160 acres, 3  
 miles from good town, 17 ml. from R. R.,  
 152 a. tillable. 85 a. in cultivation, 149  
 fruit trees, 2 room house, \$2,500. Terms,  
 \$1,000 cash, bal. terms. Write us when  
 you can come.

The Grant Investment Co., Thomas, Okla.

A FINE HOME FARM.  
 320 acres 1 1/2 miles south Wagoner. New  
 7-room house, nice outbuildings, good barn,  
 granary, wagon shed, windmill, concrete  
 tanks. Nice bearing orchard. 225 acres cul-  
 tivation, can most all be plowed. All good  
 land, good set tenant improvements, 4 good  
 wells, one of the best improved farms in  
 the county. Price \$45,000 per acre. Lots of  
 others. Write for information.

W. H. LAWRENCE,  
 Wagoner, Okla.

EASTERN OKLAHOMA.  
 200 acres, 7 miles from Muskogee, 2  
 miles of railroad town, all good valley  
 land, living creek water, 20 acres cul-  
 tivated, balance meadow, all fenced. In  
 white settlement, on main road, close to  
 church and school. Price \$30 per acre.  
 Many other farms, improved and unim-  
 proved at \$25 to \$35 per acre.

R. B. BEARD & CO.,  
 Muskogee, Okla.

ENAPS IN GRANT CO., OKLAHOMA.  
 1/2 section, 2 miles of Medford, county  
 seat, 1/4 deeded and 1/4 school land, 185  
 a. in cultivation, 110 a. in wheat, 25 a.  
 fine alfalfa, balance pasture, 6 room house,  
 barn 66x60, granary for 3,000 bu., 2 good  
 wells about 20 ft., also mill, 1 mile to  
 school and good high school in town, creek  
 bottom, deep black loam soil, 1/2 all crops  
 in granary and possession next Aug. 1.  
 Price until April 1, 1910, \$11,600.

BATTEN REALTY CO.,  
 Medford, Okla.

REAL ESTATE BROKERS.  
 Mangum, Okla. Lands that produce big  
 crops of cotton, alfalfa, corn, wheat and  
 other staples at very reasonable prices.  
 Write for free list of bargains.

McMILLAN & LANGFORD,  
 Mangum, Okla.

BECKHAM COUNTY, OKLA.  
 160 acres, 3 miles Doxey, railroad town,  
 use, barn, 100 in cultivation, 700 peach  
 and apple trees four years old, 140 tillable,  
 600. Terms. Other farms. Will sell at  
 extremely reasonable prices.

SECURITY INV. CO.,  
 Mangum, Okla.

Hough Sells The Earth"  
 Caddo county, fertile, rich, cheap. Send  
 cents in stamps for handsome colored  
 map of Oklahoma, circulars and list.  
 Letters answered in German or English.

V. R. Hough,  
 Apache, Okla.

CADDO COUNTY, OKLAHOMA  
 n, wheat, cotton and alfalfa lands,  
 00 to \$75.00 per acre, according to im-  
 provements and distance from towns. Lands  
 advancing rapidly. Now is the time  
 buy. Write for full information.

ELIZIA JOHNSON,  
 Hinton, Okla.

40 ACRES OF DEEDED LAND; 300  
 es of this is first class farming land;  
 acres of Indian land, leased and under  
 cultivation; 3,000 acres of first class graz-  
 land (Indian) leased for term of years;  
 excellent water and good grass; very cheap  
 good two-story house, cave, good  
 elevators, scales, corrals and every-  
 ing in first class shape, and the farm  
 is of the richest. Plenty of timber  
 wood and plenty of shelter for stock.  
 is an ideal farm and cattle ranch very  
 arably located; 2 miles to railroad.  
 m plows, farming tools, horses and  
 ything in connection with this ranch  
 First Loan & Mortgage Co., Watonga,

First Loan & Mortgage Co., Watonga,

First Loan & Mortgage Co., Watonga,

First Loan & Mortgage Co., Watonga,

First Loan & Mortgage Co., Watonga,

First Loan & Mortgage Co., Watonga,

First Loan & Mortgage Co., Watonga,

The Prairie Queen Mfg. Co., Newton, Kan.,  
 are again advertising Baker Plow and  
 Threshing Engines; also their famous Pra-  
 rie Queen Separators. Kansas Farmer has  
 carried this advertising for some years,  
 and has heard from a number of subscrib-  
 ers the most favorable reports on the sat-  
 isfaction had from the purchase and use  
 of these excellent machines. Write the  
 company at Newton for full information,  
 which they are glad to send free. Kindly  
 mention Kansas Farmer when writing.

#### Page Fence Free.

When the manufacturers of Page Woven  
 Wire Fence published an offer to send an  
 actual sample of the fence free to any  
 prospective fence buyer, they little realized  
 what an enormous number of these samples  
 would be required. For months, the re-  
 quests for free samples have been pouring  
 into Adrian, Mich., and still they come.  
 Every farmer in the country has heard  
 about Page Fence, which is the pioneer of  
 all woven wire fences. It is famous for the  
 world over for its wonderful toughness,  
 elasticity and durability. Hence there has  
 been a regular deluge of requests for  
 samples. The Page Woven Wire Fence Co.  
 has enjoyed one of the most successful  
 years in its history. The little "sermons in  
 steel" as the samples are called, have car-  
 ried conviction to thousands. If you have  
 not already done so write a letter or postal  
 card to the company, Box 275, Adrian,  
 Mich., and get a free sample of Page  
 Woven Wire Fence.

#### Poland Chinas and Shorthorns.

One of the coming breeders that is build-  
 ing up a good herd of both Shorthorn cat-  
 tle and Poland China hogs is H. F. Pelphrey  
 & Son, of Humboldt, Kan. They have  
 raised over 100 spring pigs and seven of  
 the sows are the top sows from seven of  
 the best sales held last year. H. F. Pelphrey  
 always buys the best and has gained  
 the reputation of topping all the sales he  
 attends. As a result of Mr. Pelphrey's  
 buying the best from so many good herds  
 he has today the right foundation built for  
 one of the best herds in Kansas. They  
 have sows in the herd by Designer,  
 O. K. Price, Blain's Wonder, Long John  
 and Proud Archer. They are as good a  
 bunch of herd sows as the writer ever saw  
 on one farm and they have litters by such  
 boars as Taxpayer 2nd by Taxpayer and  
 out of the good brood sows that topped Roy  
 Johnston's sale, Madam Shapley, that went  
 to the Harriman and W. B. Wallace herd  
 at Buccion, Mo. They also have litters by  
 John Long, Orphan Chief, Sheldon's Had-  
 ley, Major-Look, Wedd's Expansion, Mod-  
 ern Monarch, and Designer. On Nov. 1  
 there will be something doing at the  
 Pelphrey farm when this line of breeding  
 will be sold at public auction. Watch the  
 Kansas Farmer for further mention of this  
 herd and sale offering.

#### The T. K. Tomson Scotch Bulls.

One of the most noted herds of Short-  
 horn cattle in the entire corn belt is that  
 owned by T. K. Tomson & Sons of Dover,  
 Kan. They have long had a splendid rep-  
 utation for raising and selling choice cat-  
 tle but it is perhaps true that they have never  
 had a more attractive offering than that  
 announced in their advertising card on  
 another page. In the lot are three Scotch  
 bulls that should head good herds. Two  
 of these are by the noted bull, Barmpton  
 Knight, out of Victoria cows, one of whom  
 is the dam of the great show bull, Gallant  
 Knight's Heir, and the other is his full  
 sister. One of these bulls is a richly bred  
 Mysle by Old Gallant Knight. There are  
 also some very choice cows and heifers  
 for sale and the prices quoted on all these  
 animals should move them rapidly. There  
 are 15 of the richest Scotch families rep-  
 resented in the Tomson herd and the ani-  
 mals they now offer for sale would af-  
 ford a most unusual opportunity to the  
 young breeder to get into the business and  
 get in right. What would you not give  
 for some good cattle sired by grand Old  
 Gallant Knight or his son Gallant Knight's  
 Heir, or by the other bulls of this famous  
 herd. Mention the Kansas Farmer when  
 you write about these cattle.

#### Soil, Seed, Seeding.

"There are just three prime essentials  
 or success in planting a crop: Soil, Seed  
 and Seeding; and the greatest of these is  
 Seeding," says the introduction to a small  
 but very practical volume entitled, "More  
 Grain from Less Seed," published by the  
 J. S. Rowell Mfg. Co., of Beaver Dam, Wis-  
 consin. This company has manufactured the  
 well-known line of Tiger Drills and Seed-  
 ers for 50 years, and the volume referred  
 to is the result of half a century of ob-  
 servation and experiment in the prepara-  
 tion of soil, the selection of seed and the  
 bringing of these two elements together by  
 the most scientific construction of seeding  
 machinery. The book is not a catalog, but  
 a work of scientific and practical inter-  
 est, teaching how to obtain by a little more  
 care and exercise of judgment just what  
 the name promises—"More Grain from  
 Less Seed." This book is sent free to any  
 small grain grower who will write for it,  
 stating the number of acres and the kinds  
 of grain he grows. Request should be ad-  
 dressed to J. S. Rowell Mfg. Co., 168  
 Rowell St., Beaver Dam, Wis. The book  
 will be accompanied by a complete cata-  
 log of Tiger Drills and Seeders, describing  
 about two hundred styles and sizes of  
 machines.

#### Spangler's Hadley 51696.

A fieldman for Kansas Farmer called on  
 the well known breeder, J. D. Spangler, at  
 Sharon, Kan. At the head of this herd is  
 the large type Poland China boar, Spang-  
 ler's Hadley by Big Hadley, his dam was  
 Graceful S. by John's Chief out of Susie  
 M's Best, a full sister to Blain's Wonder.  
 Blain's Wonder now heads the herd of Roy  
 Johnston, at South Mound, Kan., and is  
 one of the best breeding boars we know of.  
 We do not know how we could improve on  
 the breeding of Spangler's from a big hog  
 standpoint. This hog has a wonderful back  
 and loin; he is extra good in the head and  
 ear. Stands on short stout legs set well  
 finished. But the best thing about Spang-  
 ler's Hadley can not be told until you see  
 his get. His pigs are all very even and  
 uniform. In about 100 we saw on the farm  
 there was not a mean coated one in the  
 lot. The bunch of sows are a good even  
 lot but the breeding quality of a boar is  
 always shown when you develop his get  
 from a herd of sows. Mr. Spangler is now  
 growing out about 125 spring pigs sired by  
 Spangler's Hadley that will be in great de-  
 mand for herd headers and herd sows.  
 About 50 of this lot will be sold in an  
 early sale to be held at the farm Sept. 20.  
 If you are interested in the large smooth  
 Poland China, it will pay you to get in  
 touch with J. D. Spangler. He has the  
 big kind and if you buy from Spangler you  
 will get your money's worth. Watch Kan-  
 sas Farmer for further mention of this  
 herd, and arrange to attend his sale on  
 Sept. 20, 1910.

## MISSOURI LAND

NORTH MISSOURI farms for sale and  
 exchange. Home of blue grass, corn and  
 clover. Booklet and state map free.  
 Broyles Land Co., Chillicothe, Mo.

IMPROVED corn, clover and blue grass  
 farms, 40 miles south Kansas City, \$50 to  
 \$75 per acre.

Jno. M. Wilson & Son, Harrisonville, Mo.

CORN, clover and bluegrass farms in  
 the best section of Missouri, very reason-  
 able prices. Write for description.

W. A. HOEN, Harrisonville, Mo.

#### DID YOU GO TOO FAR?

Do you want to have a clover, blue-  
 grass and timothy farm again? If so,  
 write us. We sell well improved John-  
 son county farms for \$40 up. Write for  
 our list, mailed free and postpaid.

LEETON LAND CO.,

Leeton,

Mo.

880 ACRES FINE TIMBER LAND.  
 Abundant living spring makes ideal  
 ranch; if cleared would be good agricul-  
 tural; farms adjoining all sides cannot be  
 bought for \$50 per acre; near county seat;  
 price \$75 per acre; no incumbrance; will  
 take some trade. J. H. McQuarry Realty  
 Co., 120 Commerce Bldg., Kansas City, Mo.

YOUNG MAN, PUT YOUR SAVINGS IN  
 LAND.

It's accumulating while you sleep. We  
 can sell you southwest Missouri land in  
 the best fruit and grain country for \$8.00  
 per acre; \$1.00 per acre down, balance in  
 six years at 6 per cent. See or write Lo-  
 cator Realty Co., 342 Ridge Bldg., Kansas  
 City, Mo.

## FOR SALE

60,000 acres of land in Stone and Mc-  
 Donald Counties, Mo. Especially adapted  
 to the Fruit, Poultry and Dairy Business.  
 Can be purchased on easy terms in 20 acre  
 tracts or more. Write

JOSEPH C. WATKINS,

305 Miners Bank Bldg., Joplin, Mo.

## NEBRASKA LAND

TWO SPLENDID FARM BARGAINS.  
 400 acre farm in Red Willow county,  
 Neb., 1/2 miles from McCook, good 8-room  
 house, good barn and other good improve-  
 ments, 160 acres choice valley alfalfa  
 land, 55 acres now growing; 100 acres bot-  
 tom and 40 acres upland, cultivated, bal-  
 ance pasture, well watered, some timber,  
 and abundance of choice fruit trees, bear-  
 ing. Actual value of land over \$20,000 but  
 belongs to non-resident, who will take \$16,-  
 000 if sold soon—only \$49 per acre. Act  
 quick; don't miss this.

560 acres 12 miles from McCook, 7 miles  
 from Troyer, Kan., 400 acres choice, smooth  
 farm land, balance good pasture, half cul-  
 tivated, slight improvements. A splendid  
 bargain at \$16 per acre.

For other snaps in farm and ranch lands  
 write or see

ACKERMAN & STEPHENS,

McCook, Nebraska.

IRRIGATED HOMESTEADS.  
 In the famous North Platte Valley, where  
 Uncle Sam furnishes the water on ten years  
 time without interest. Crops yield \$25 to  
 \$100 per acre. Homesteads at from \$700  
 to \$3,500, according to improvements.  
 Deeded land \$75 to \$100 per acre. Free  
 rural mail delivery, telephone and all mod-  
 ern farm conveniences. These lands in  
 splendid settlement of fine homes near  
 town. For particulars write or see

CARPENTER, PLUMMER & MURPHY,

Morrill, Nebraska.

45 BUSHELS WHEAT LAND, \$25 PER  
 ACRE.

We own and control 20,000 acres of Chey-  
 enne county, Nebraska's choicest farm land  
 now on the market. The heaviest crop  
 yielding county in Nebraska for ten years;  
 alfalfa also a leading crop. Ask for folders  
 and full particulars. Agents wanted every-  
 where. Write for our proposition at once.  
 Railroad fares refunded if things not as  
 represented.

FUNDINGSLAND & SEVERSON,

Sidney, Nebraska.

LANDS LANDS

Chase, Dundy and Perkins County. Crops  
 haven't failed since '95. Prices range  
 from \$6.00 to \$25.00 per acre. Also Colo-  
 rado farms and ranches for sale. Write for  
 free descriptive literature.

IMPERIAL LAND CO., Imperial, Neb.

WESTERN NEBRASKA LANDS.

Good grazing lands, Chase, Perkins,  
 Dundy and Hayes Counties, \$5 to \$10. Farm  
 lands in same counties \$15 to \$30 per acre,  
 absolutely no crop failure for more than  
 16 years. Great opportunities for the actual  
 homemaker. We are not looking for the  
 speculator. We want to settle the country.

CHASE COUNTY ABSTRACT CO.,

Imperial, Neb.

Kimball County,  
 Nebraska.

has excellent farm lands. Produces alfalfa  
 and all kinds of small grain. Prices \$10  
 to \$20 per acre. State amount of land  
 wanted.

KIMBALL LAND CO.,

Kimball, Nebraska.

Land Bargains

NEBRASKA, Colorado and Kansas lands,  
 well located in Dundy County, Neb., Yuma  
 County, Colo., and Cheyenne County, Kan.  
 \$10.00 to \$25.00 per acre, for good smooth  
 land. Some 640 acre relinquishments yet.

HAIGLER R. E. & INV. CO.,

Halgier, Neb.

NEBRASKA

160 acres, only 4 1/2 miles from Benkelman,  
 \$15.00 an acre, if sold at once. Has about  
 100 acres good corn land, and about 80  
 in cultivation. Telephone and rural de-  
 livery lines are right there; school 1 mile,  
 one-half down, balance at 8 per cent. Other  
 farms.

D. L. OUGH,

Benkelman, Neb.

## Oklahoma Land

Where corn, wheat, alfalfa and cotton are  
 making the farmers rich. We specialize  
 on Oklahoma, Cleveland, Logan and Wash-  
 ita counties. Fine alfalfa lands \$30 and up-  
 ward. Write for list and printed matter,  
 mailed free. We also lead all in Oklahoma  
 City property.

FARM & HOME INV. CO.,

Culbertson Bldg., Oklahoma City, Okla.

## Virginia

"THE MOTHER STATE"

Farm homes, mineral and timber lands,  
 cheap and good soil. Long growing season.  
 Mild climate. Great demand for all farm  
 products. Virginia books, maps and infor-  
 mation FREE. Address with stamp.

VA. LAND IMMIGRATION BUREAU,

Walter J. Quick, Mgr., 6 Gale Building,

Roanoke, Va.



## Colorado Land

### CALL OF THE WEST

Why do you rent? Why give the best years of your life working for others? Own your own farm—you can do it on payments less than the rents you are now giving.

#### BE INDEPENDENT—DO IT NOW.

We have plenty of choice smooth fertile lands such as are now producing from 25 to 45 bushels of wheat per acre and yield abundantly of corn, alfalfa, oats, potatoes and other crops. We can sell you at from \$10 to \$25 per acre on good terms. Write us at once for information as to the splendid opportunities for investment in lands both irrigated and irrigable, or choice farming uplands.

These lands are in Logan and Weld counties and the famous Crow Creek Valley.

#### THE BEST OF NORTHWESTERN COLORADO.

Act now and get the benefit of the rapid rise in values. Some good homestead lands subject to filing.

### THE WESTERN LAND CO.

STERLING,

COLORADO.

## KIOWA COUNTY, COLORADO LANDS

12,000 acres of choice wheat land offered in quarters and half sections. On line of Mo. Pac. R. R., close to three good towns. Prices range from \$5.00 per acre upward. Write for terms and descriptions.

ALBERT E. KING,

McPHERSON, KAN.

## MAP OF COLORADO

And handsomely illustrated literature telling about our lands in Eastern Colorado on the Union Pacific Railroad where we sell you a good farm from \$5 to \$15 per acre. Send your name today.

KIT CARSON CO.,

Kit Carson, Colo.

### EASTERN COLORADO LANDS

Where all staples grow to perfection. Lands from \$7.50 to \$30 per acre, on liberal terms. Illustrated literature free.

#### UNDERWOOD & HEINY,

Flagler,

Colo.

### SAN LUIS VALLEY, COLORADO.

Irrigated pea, alfalfa, hay and livestock farms, \$45 to \$90 per acre. Write for full information. HAIGLER REALTY CO., 113 1/2 E. Pike's Peak Ave., Colorado Springs, Colorado.

### KIT CARSON COUNTY, COLO.

Deeded lands, \$10 to \$20 acre. Homestead relinquishments, \$300 up. Also a few 320-acre homesteads yet. Printed matter free.

#### BEAR & CLIFT REALTY CO.,

Vona,

Colo.

EASTERN COLORADO Lands at lowest prices on best terms. If you want a good home or investment, you should see me. I have been here for 17 years. Inclose stamp for reply.

#### THE GENOA LAND COMPANY,

Genoa,

Colo.

EASTERN COLORADO Lands \$10 an acre and up. Live agents wanted. Write for our descriptive literature, and county map, mailed free.

#### HAYNES LAND CO.,

Vona,

Colo.

960 ACRES AT \$6.75 per acre of good farming land 10 miles out. For this and prices on other lands write us.

#### KENEDY LAND CO.,

St. Peter, Minn.

Genoa, Colo.

### CHEYENNE COUNTY, COLORADO.

Good lands, mostly smooth, \$9 to \$15 per acre on most liberal terms. Now is the time to buy, you will double your money within a year. Send 25 cents for a three months' subscription to the "Wild Horse Times." Contains valuable information about Cheyenne county.

#### CAMPBELL LAND AGENCY,

Wild Horse,

Colorado.

### CHEYENNE COUNTY, COLORADO.

Where land often pays for itself in one crop. For \$8 to \$16 we can sell you choice land, well located, near schools, churches and markets. Write or see

#### WILD HORSE LAND CO.,

Wild Horse,

Colorado.

**HOMESEEKERS Attention**—Why pay big rent or farm high priced land where your returns are not as large as actual returns on our cheaper lands; many acres netted growers \$40 to \$50 and few cases \$100 per acre, on land ranging from \$10 to \$25, situated in one of the healthiest counties in the world; fine climate, purest foot hill water; write for circulars. Address C. C. Miles, Calhan, Colo.

### EASTERN COLORADO.

Our lands raise big crops of wheat, oats, flax and corn, and are rapidly increasing in value. If you act at once, we can sell you a good farm for \$12 to \$25 per acre. We want a hustling agent in your locality. Illustrated descriptive literature free upon request.

#### CLARENCE M. SMITH,

Flagler,

Colo.

640 acres fenced and cross-fenced, twelve 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, \$12.00 per acre, half cash, balance in one and two years at 6 per cent. Several other bargains just as good. Write

#### A. J. SIMONSON,

Denver,

214 Cooper Bldg.,

Colo.

### 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,

Colo.

**EASTERN COLORADO**—The home of wheat, barley, millet, cane, broom, corn, speltz, and all staples. Lands are now very cheap, from \$9.00 to \$11.00 per acre for raw land to about \$20.00 an acre for improved farms, but are rapidly advancing in price. Write for free printed matter, stating what you want.

#### McCRACKEN LAND CO.,

Burlington,

Colo.

**DO YOU WANT TO BUY** Eastern Colorado lands? Write for our free folder of 28 large illustrated pages. Cheyenne County Land Co., Cheyenne Wells, Colo.

**THE LIEBER LAND & REAL ESTATE CO.,** Hugo, Colo., dealers and absolute owners of Colorado lands. We bought right by buying early, and best by having first choice. Buy direct from owner and save agent's commissions. Choice farming lands in eastern Colorado, \$5.00 and up. Live agents wanted. For handsomely illustrated pamphlet of 20 large pages, address John Lieber, Manager, Hugo, Colo.

**WANTED.** Agents to assist in selling eastern Colorado land. A good opening for alive men in your locality, one who can produce results. Write for our liberal offer, and full information.

#### ARRIBA LAND CO.,

Arriba,

Colo.

### KIT CARSON COUNTY.

Lands now \$10.00 to \$20.00 per acre, and homestead relinquishments at prices according to improvements. Great opportunity for the homeseeker or investor. Descriptive literature free. Vona Land Co., Vona, Colo.

**LINCOLN COUNTY, COLORADO.** Corn, wheat, and alfalfa lands \$12 to \$25, on liberal terms; are well located, mostly smooth, dark chocolate loam soil; raises big crops, all staples. Prices are rapidly advancing; buy now and get in on the ground floor. Write for illustrated descriptive literature and sectional map of eastern Colorado, mailed free. COLORADO LAND INV. CO., Arriba, Colo.

**GOOD LAND,** Kit Carson County, Colo., \$8.50 to \$25.00. Why stay last 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.

**MUNTZING PAYS THE FREIGHT.** Farms, Sheep and Also Cattle and Horse Ranches.

I own 40,000 acres of choice lands in Washington and Yuma counties, and am offering both improved and raw lands at prices far below all others and on terms to suit all purchasers. Monthly payments if desired. 160 and 320 acres relinquishments adjoining lands offered for sale. Best of wheat, oats, cane, corn, potatoes and alfalfa lands. I refund railroad fare and hotel bills to those who purchase from me. All lands are level, smooth and rich farm lands. NONE better. COME NOW and buy homes and get the free ride. Why pay big commission when you can buy direct from the owner? Write for maps, plats, price lists and explanations and proofs to AUGUST MUNTZING, Akron, Colo.

### DO YOU WANT A HOME?

Buy now in Washington county, Colo., where choice land, with best of soil, can be had. Where good farms raise from 20 to 45 bu. wheat per acre and oats, barley, corn, speltz, potatoes and alfalfa grow abundantly on upland, without irrigation; in a county rapidly settling and being improved by good thrifty farmers. We have hotel bills for those who purchase from me, many tracts of choice, smooth, fertile farm land, healthful climate and abundance of good water, at prices ranging from \$8 to \$15 per acre. If you are looking for good investments write or see VANDERHOOF & McDONALD, Otis, Colo.

## FREE

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

## 4,000 ACRES

Good, smooth land, in tracts to suit, \$20 an acre on most liberal terms. Only 1-3 down. Close to Hugo.

#### N. E. MOSHER, Owner,

Hugo,

Colo.

## \$1 MAKES ANOTHER—WHERE

In the South Platte Valley, Morgan county, Colo. Money invested in land here will double itself in 3 years. Write for full particulars to

#### E. R. SEAMAN,

Brush,

Colorado.

## GOVERNMENT LAND FREE ROUTT COUNTY COLORADO

To secure good farmers, we tell you how to locate 160 acres of fine government land in Routt County, on Moffat Road, (Denver Northwestern & Pacific Railway.) Big crops, pure water, good soil, fine climate and markets. Fine openings for investments and business. We have no land to sell, its absolutely free from the government. Law allows you to return home for 6 months after filing. Write for free book, map and full information that tells how to get this land free. Address W. F. JONES, Gen. Traffic Mgr., 708 Majestic Bldg., Denver, Colo.

**STOP! LOOK! AND LISTEN!** To what we have to say in regard to our business. We have a large list of the best lands in Morgan County. Should you desire a good irrigated farm, good dry land on a homestead, communicate with us or come and give us an opportunity to show you what we have.

B. W. JACKSON REALTY CO., Fort Morgan, Colorado.

## FREE HOMESTEADS

Of 320 acres in Colorado to readers of Kansas Farmer; ample rainfall, rich deep soil that will grow the finest of crops without irrigation. Fine deeded land adjoining \$10 to \$15 per acre, on easy terms. Write me today enclosing 25c and I will send you a sample of the soil, sectional map and homestead law, also answer all questions. H. G. MATTESON, Otis, Colo.

## COLORADO LANDS

Send for our descriptive map folder of Eastern Colorado, mailed free upon request. We have many bargains in wheat and alfalfa land, nice and smooth, at \$8.50 to \$20.00 per acre.

#### FLAGLER LOAN & INV. CO.,

Flagler,

Kit Carson County, Colo.

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

### FIELD NOTES.

**Valuable Farm for Sale.** Look up the valuable farm advertised for sale by R. M. Dobson, of Independence, Kan. This farm is one of the best stock and grain farms we know of and is priced reasonable, long time payments with low interest. If you mean business go look this farm over. See ad on page 20 of this paper.

### Herd Bull for Sale.

S. B. Amcoats, Shorthorn breeder, located at Clay Center, Kan., has an advertisement in this issue in which he offers to sell his herd bull, Scottish Archer, 283319. Scottish Archer is the sire of as fine a lot of young cattle as can be found in any one herd the size of the Amcoats herd. He is a very dark red son of Victor Archer and his dam was the good cow Imp. Noamie Ruth 2nd. Mr. Amcoats is obliged to buy another bull in a short time and does not want to keep two bulls so offers this most excellent sire for sale. He is good in every way and very cheap at the price asked. Write at once and mention Kansas Farmer.

**Orchard Hill Farm for Sale.** Orchard Hill Farm, one mile south of Holton, Kan., is for sale by its owner, Mr. Boettcher. This has been Mr. Boettcher's home for many years and has been carefully built up and improved until today it is one of the very finest farms in Kansas. Besides running water, this farm has several ever flowing springs. The buildings are in fine condition, having been built for a home. Everything in the building line has been done with a view to permanency and convenience. Lying but a mile from an exceptionally good Kansas town, this fine farm is a most delightful one to own and for the price made, it is a bargain. It will pay any intending buyer to go at once and look it over, as this farm must be seen to be appreciated, or full information can be had from the owner, if you mention Kansas Farmer when writing.

**The Tilley Herefords.** S. W. Tilley, the big Hereford breeder at Irving, Kan., has for his present herd bull Majestic Baron 190860 by Old Majestic 152491. In his herd are several young bulls out of such splendid cows as Daisy 144981 who traces to Wild Tom and Hesiod and would be a credit to any herd. Imp. Primrose 162784 who weighs 1,600 lbs. in ordering flesh and has plenty of points in ordering. The show cow Miss Bountiful 221287 and Dorothy 221306 won first prize at the Nebraska State Fair, second prize at the Hutchinson State Fair and fourth prize at the American Royal. Other cows which the owner values very highly are Imp. Sunbeam 20th, and Imp. Lonely Lass 138188. Then there are Carnation 259176, Winona Girl 259193 and Darling 112039. Mr. Tilley is known as a good buyer and when in search of a cow for his herd he picks the best. The young bulls range in age from 15 to 20 months and are in good condition. Write your wants to Mr. Tilley and mention the Kansas Farmer, please.

### Big Type Poland China Sale.

We wish to call our readers' attention to the sale of Roy Johnston's Poland China sale to be held on his farm near South Omond, Kan. This ad will appear in Kansas Farmer of May 14, and the sale will be held on May 17. If you have not sent your name in for a catalog it will pay you to do so at once. A part of the gilts are July farrow, out of Blaine Wonder dams and sired by John Long, they are all good, in fact the entire lot will please anyone who likes a big smooth Poland China with size and quality combined. In this sale Mr. Johnston is selling some of his best sows. They will be up to the standard and prove money makers to the purchaser. Don't fail to attend this sale if you are interested in good hogs.

**FOR SALE**—I have a good road or general purpose stallion (Standard bred, but not registered), sired by Douglas Almont (0393) by Alice Gaines by Almont (23), dam by "Champtonian" by Hombletonian 10. Bred by the present owner, has never been abused and is a sure foot getter and gets good ones. Fine disposition. \$300 will buy him. Address "H," Box 314, Baldwin, Kan.

## AUCTIONEERS

### L. E. FIFE,

LIVE STOCK AUCTIONEER.

Newton, Kansas. Breeder of Percherons, Shorthorns and Duroc Jersey hogs; posted in pedigrees; terms reasonable. Write or wire for date.

### LAFE BURGER

LIVE STOCK AUCTIONEER.

Write or wire me for date. WELLINGTON, KANSAS.

## JOHN D. SNYDER

Auctioneer,

Winfield, Kansas.

I sell for many of the most successful breeders.

## THOMAS DARCEY

Live Stock and Real Estate Auctioneer. Fifteen years' experience. Breeder of Poland China hogs. Well posted in pedigrees. Dealer in real estate. Terms reasonable. Wire or write for dates. Long distance phone 2651. OFFERLE, KAN.

### W. C. Curphey

LIVE STOCK AUCTIONEER.

Write, phone or wire me for dates. Abilene, Kansas.

### Col. Essie Craven

LIVE STOCK AUCTIONEER.

Twenty Years Selling All Breeds. NORTH BRANCH, KAN.

## LIVE AND LET LIVE

is my motto. Reasonable charges and good service. Choice of dates if you write early.

### JAS. T. McCULLOCH

CLAY CENTER,

KANSAS.

## J. H. MOORMAN.

Live Stock and General Farm Sale Auctioneer. Satisfaction guaranteed. Long distance phone connection.

SOLOMON,

KANSAS.

## SHORTHORN CATTLE

## Tomson Shorthorns

Bampton Knight, sire of Benefactor, champion Shorthorn steer at the International 1909 and Gallant Knight, sire of three grand champions, 7 firsts and three seconds in ten shows. Our breeding cows are the best blood lines representing 15 different Scotch families with 3 to 6 Scotch tops. Individually they are low down, thick fleshed, breedy cows of the most approved type. Ten Head of Choice Scotch and Scotch Topped Bulls for Sale. A first class lot of cows and heifers. Railroad station is Willard on Rock Island, 15 miles west of Topeka.

T. K. TOMSON & SONS, Dover, Kansas.

### SHORTHORNS.

If you need a young bull or some females write us; prices right.

### SHAW BROS.,

Phillips Co.,

Glade, Kan.

### SCOTCH SHORTHORNS.

7 young bulls from 10 to 15 months old. Scotch and Scotch topped; one pure Scotch bull by Blythe Conqueror. A few choice heifers for sale. C. H. WHITE, Burlington, Kan.

### TENNEHOLM SHORTHORNS.

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.

E. S. MYERS, Chanute, Kan.

### A CARLOAD SHORTHORN COWS

All are bred or have calf at side. 4 good young bulls that I am sure will suit. Everything nicely bred and in good condition. Moderate prices. Come and see us.

D. H. FORBES & SONS, Topeka, Kan.

R. F. D. No. 8, Bell Phone 31.

### Humboldt National Stock Farm.

Shorthorn cattle, large type Poland China hogs, 10 spring boars, priced right. Write me your wants. I meet parties at trains. We can do business. Come and see me.

H. F. Pelphrey & Son, Humboldt, Kan.

### JEWELL SHORTHORNS

A young herd of up-to-date breeding. Also Percheron and Standard bred horses. In stud, the Percheron stallion Marquis De Wierre (Imp.) also the Standard bred stallion Red Seth 31185. Farm adjoins town. Come and see us.

W. T. LOWE, Jewell, Kan.

### SCOTCH TOPPED BULLS.

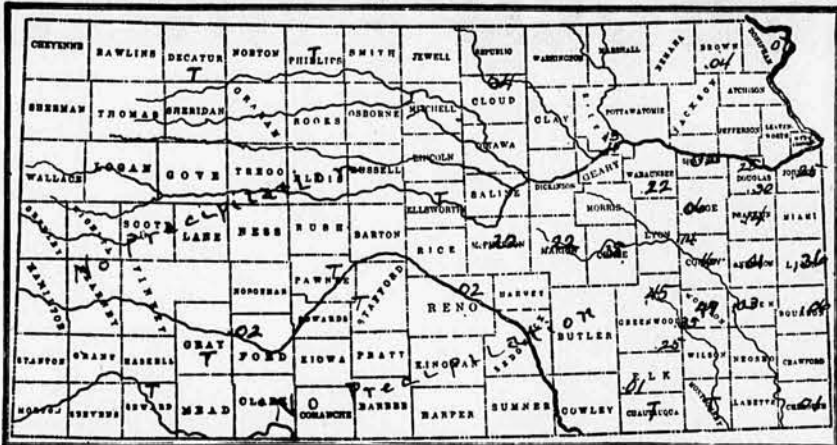
We have for sale some choice last spring bull calves sired by our herd bull Pleasant Hill Master one of the best sons of Master of the Grove. Will make reasonable prices on these.

O. A. TILLER, Pawnee, Neb.



# WEATHER MAP

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



## KANSAS FARMER'S WEEKLY REPORT.

**General Summary.**  
With the exception of Thursday and Friday of the week has been cold with much high wind and some freezing weather. Light showers occurred in the eastern half of the state during the early part of the week; since then it has been dry. Rain and warmer weather are needed.

### Reports by Counties.

#### Eastern Division.

Allen—A cold dry week, warming on the 27th and 28th. Traces of precipitation in the northeastern portion of the county and two light showers in the rest of the county. On the 28th ice formed the thickness of window glass. Vegetable gardens hurt.

Anderson—A light shower the first of the week and light snow in the middle of the week. Cold and dry.

Bourbon—Cold dry week; only two light showers.

Chase—A thunderstorm first of week, giving some moisture; cold weather following has damaged the grapes again.

Chautauque—Rain and moisture much needed for vegetation. The cold weather has hurt the fruit very little.

Cherokee—Cool, dry, windy week.

Coffey—High winds, snow, flurries and light frost this week, doing but little damage however.

Douglas—Thunderstorm first of week followed later by sleet and snow. Cherries, about one-half killed; strawberries half a crop; pears and apples very little damaged. Plums and peaches damaged some by frost. Plenty of fruit left yet. Wheat and oats hold up well; waiting for a good rain.

Elk—Corn coming slowly on account of cool dry weather. Frost on two days did not do a great amount of damage.

Franklin—Cold and dry.

Greenwood—Light frost but no damage to fruit.

Johnson—Light snow on 24th. The week has been rather cool with some frost but no damage to fruit except grapes and berries on low ground. Gardens suffered some.

Linn—Showers on two days did some good.

Marshall—Cold winds and a bad dust storm. Gardens damaged; listing and plowing in progress. Pasture very short. Some fruit not killed.

Montgomery—Trace of snow on 24th; wheat and oats suffering greatly for rain. Frost on 26th killed half of the strawberries; other fruits uninjured. Good prospect for grapes and tree fruits (including peaches).

Morris—No rain, very dry. High northerly wind and temperature near freezing.

Nemaha—Corn planting well advanced, many have finished. Fruit undamaged yet. Need of rain.

Riley—Killing frosts on three days, not much damage, though ice formed. Dry and dusty. Ground in poor condition for growing wheat.

Shawnee—Pastures are turning brown and grape leaves wilted by the cold, dry weather.

Wabaunsee—A light rain first of week, otherwise dry with much wind. Vegetation is doing no good.

Woodson—Too cool for good growth of corn that is up. Corn nearly all planted. Kafir planting in progress; still too dry for good gardens.

#### Middle Division.

Barton—Frost, cool, windy; hot on 28th. Rain needed.

Butler—No rain for the week; temperature down to 32 degrees twice but did not kill fruits. The continued cold however has a tendency to make fruit drop. If we have a 25 per cent crop of fruit we will do well.

Clay—No rain but plenty of wind.

Dickinson—Two cold days and five cold nights, and no rain.

Ellsworth—Temperature freezing or below on four nights; hot on the 28th.

Harper—Rain needed. Fruit somewhat injured but thought to be substantially in good condition. Very high winds first of week, but little damage reported. Much warmer at close of week.

Jewell—No rain, temperature below freezing on three nights. Fruit badly damaged, but not total loss, probably due to low humidity. Alfalfa not injured.

Kingman—Dry, windy and dusty; rain badly needed.

McPherson—Nearly a quarter of an inch rain first of week, none since, more badly needed.

Marion—Cool, windy and dry.

Osborne—Cold north wind first part of week. Very dry. Wheat beginning to show effects of dry weather much corn being planted.

Pawnee—Hard north wind first part of week; frosts have damaged fruit very seriously; wheat condition continues good.

Phillips—This has been a hard week on wheat. Have had high winds and frosts. Pastures are not as far along as a week ago. The top of the ground is drying out.

Reno—Need rain.

Russell—A dust storm from the northwest the first of week.

Stafford—Dry, several cold nights.

Western Division.

Clark—No precipitation.

Decatur—Little change since last week except more urgent need of moisture, wheat still looking well in spite of three days of violent dust storms in succession.

Gove—Cold, dry, windy week. Fruit about all killed. Alfalfa not badly damaged by freeze. Wheat not doing so well, too cold and dry. Corn planting in full blast. No rain, but plenty of ice for five mornings.

Gray—No rain this week except a trace the first day. Week has been clear with cold nights.

Kearney—No rainfall but six cold nights. High temperature on 28th.

Horton—Corn planting in full swing. Fruit all gone. Dust storms damaged wheat about 10 per cent.

Seward—Dry and cold—no progress.

Thomas—No rain. Temperature at or below freezing on five nights and fell to 24 degrees on the 25th.

Trego—Less than one inch of precipitation in central portion of county since January 1st. High winds, dust storms, frosty nights, damaging to wheat and alfalfa. Fruit about all gone.

## Mitchell County Breeders' Association

DR. C. B. KERN, President.

J. M. RODGERS, Secretary.

Nothing but first class animals offered for sale for breeding purposes. Mitchell County Fair, Sept. 28 29, 30 and October 1, 1910.

Premium List Ready June 1.

E. C. LOGAN, President.

W. S. GABEL, Secretary

### SHORTHORN CATTLE.

**THE PURE SCOTCH BULL HIGHLAND**  
Laddy by Brave Knight by Gallant Knight heads our herd. Some fine young bulls developed for this fall's use. A young herd of real merit. **BRINEY & BRINEY, Beloit, Kan.**

**LOCUST GROVE HERD SHORTHORNS.**  
Up-to-date breeding with good quality. **ELMER C. CREITZ, Beloit, Kan.**

**BOOKDELI STOCK FARM.**  
Shorthorn cattle. Poland China hogs. Silver Laced Wyandottes. **E. E. BOOKER & SON, Beloit, Kansas.**

**FOR SALE** A few young Shorthorn cows and some young bulls ready for service. Best of breeding. Write for information and prices. **VINTON A. FLYMAT, Barnard, Kan.**

**HERD BULL, Royal Goods by Select Goods by Choice Goods for sale, also young bulls. Herd headed by Dreadnaught. MEALL BROS., Cawker City, Kan.**

### HEREFORD CATTLE.

**W. B. & J. M. RODGERS, Beloit, Kan.**  
Breeders of Hereford Cattle and Berkshire Hogs. Quality before quantity. Come and see us.

**50 HEREFORD CATTLE.** Comprising the H. B. Woodbury herd. Some famous cows in this herd; 8 young bulls of serviceable age for sale, 4 miles from Tipton, Kan., 8 miles from Cawker City. **JOHN SCHMIDT & SONS, Tipton, Kan.**

**100 HEAD OF HEREFORDS** The home of Caster 259475, the winner in every big show he was ever in. A few choice young heifers and cows for sale. **F. L. BROWN & CO., Sylvan Grove, Kan.**

### PERCHERON HORSES.

**REGISTERED PERCHERONS**—The home of Vidoque (Imp.) 40403, also the brood mare Rissette (Imp.) 51115. Inspection invited. Farm adjoins town. **E. N. WOODBURY, Cawker City, Kansas.**

**REGISTERED PERCHERON HORSES** In stud. Imported Rebels 42529, by Cosaque by Theldus, who sired Calippo and Casino. Visitors welcome. **C. J. JOHNSON, Solomon Rapids, Kan.**

**THE HOME OF JAQUE W. 42659** by Tlatrey, dam Imported Rissette. Inspection of my Percherons invited. **RALPH G. MCKINNIE, Glen Elder, Kansas.**

## EXCHANGE COLUMN

### FOR SALE CHEAP

Two gasoline well drilling rigs, good as new, for 400-foot work. **Grant Ewing, Blue Rapids, Kan.**

**SALE OR EXCHANGE**—Texas, Missouri, Kansas, Oklahoma farms, stocks merchandise for good propositions. Cash considered. **Western Land Exchange, 404-5 Ridge Building, Kansas City, Mo.**

### FOR SALE OR EXCHANGE FOR OTHER PROPERTY.

17-room hotel, finished new throughout, in growing town; best hotel in town—practically no competition. Also some snaps in Gove and Sheridan County land. **D. A. BORAH, Cashier State Bank, Grinnell, Kansas.**

### PHILLIPS COUNTY, KANSAS.

Corn, wheat and alfalfa lands for sale and exchange; reasonable prices; good terms. Values are rapidly advancing. Buy at once and you will get a good profit in a very few months. Write today for prices and descriptions. **LEWIS & ELDRED, Phillipsburg, Kansas.**

**TO EXCHANGE FOR KANSAS FARM.**  
Suburban grocery stock will invoice about \$3,000. Will assume some on 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, Mo.**

### FOR SALE OR EXCHANGE, WEST CENTRAL KANSAS LAND.

Wheat, corn and alfalfa lands, Lane and Gove counties, \$15.00 to \$25.00 acre. Prices advancing rapidly. If you have a good trade to offer write us. **W. H. DAYTON Land Co., Abilene, Kan.**

### 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. **R. R. Woodward Real Estate & Investment Company, 264 N. Y. Life Bldg., Kansas City, Mo.**

### FREE HOMESTEADS.

Can locate you on 640 acre relinquishments in Nebraska or 320 acre government homesteads in eastern Colorado on main line of B. & M. R. R. Also fine deeded lands, town property and stocks of merchandise for sale or exchange. I make a specialty of exchanges. Real estate men send me your exchange lists. **M. W. M. SWAN, Haigler, Neb.**

**COLEDALE STOCK FARM** The home of three first prize winners at the International. Nothing but the best in this herd. Come and see us. **FRANK A. COLE, Barnard, Kan.**

**GRANITE CREEK STOCK FARM.**  
Percheron and Standard bred horses. Make known your wants to **M. A. SMITH, Supt., Cawker City, Kansas.**

### COACH HORSES.

**LAWDALE STOCK FARM** Oldenburg German Coach Horses. International prize winning stock. A tried stallion for sale. Inspection invited. **JOSEPH WEAR & SON, Barnard, Kan.**

### POLAND CHINAS.

**LEBAN CREEK STOCK FARM**—Poland Chinas, large herd to select from. Fall pigs of both sexes for sale now. Not related. Can also spare a few bred sale. **LEON CARTER, Asherville, Kan.**

**EUREKA HERD OF PURE BRED** Poland Chinas and Duroc Jerseys. Bred gilts and sows all sold, but have a few fall boars and gilts of both breeds. Prices right. **W. H. SALES, Simpson, Kansas.**

### DUROC JERSEYS.

**GOLDEN RULE STOCK FARM**—Choice bred sows and gilts for sale at prices to move them, best of breeding and individuality. Satisfaction or no sale. **LEON CARTER, Asherville, Kan.**

**ALFALFA STOCK FARM**—Choice Duroc Jersey boars of early fall farrow for sale. Ready for work. Write quick if you want one. **PEARL H. PAGETT, Beloit, Kan.**

### HAMPSHIRE.

**HAMPSHIRE HOGS.** Always have stock for sale. Write for prices. **A. B. DOYLE, Beloit, Kan., Rural Route 1.**

### O. I. C. SWINE.

Tracing to the famous Kerr and Big Marv families. No more females to offer. A few choice bred and open gilts for sale. **T. C. WRENCH, Beloit, Kan.**

### AUCTIONEERS.

#### COL. H. H. VANAMBURG

General and Live Stock Auctioneer. **PHONE 943, BELOIT, KAN.**

#### COL. F. L. SMITH

General and Live Stock Auctioneer. **PHONE 434, BELOIT, KAN.**

### 920 ACRES PASTURE LAND.

Elk county, Kansas, under good wire fence; five miles railroad station, \$20.00 acre. Incumbrance \$5,500. Want merchandise in country town for equity. Other exchanges. **B. F. CARTER, 1216 Commerce Bldg., Kansas City, Mo.**

### 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 **C. B. RHODES R. E. & Inv. Co., 4100 Helst Bldg., Kansas City, Mo.**

### BARGAINS FOR CASH OR TRADE.

Of all kinds direct from owners of farms, ranches, mds., hardware, hotels, livery barns. Send for our book on trades or cash list. **Bersle Real Estate Agency, Eldorado, Kan.**

**TO EXCHANGE**—17-room hotel in good town in southern Iowa, want farm or residence. Stock of dry goods to trade for Kansas City residence. Farms to trade for city property. I can match you on any kind of a trade. **HENRY G. PARSONS, Lawrence, 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, Wakeney, Kansas.**

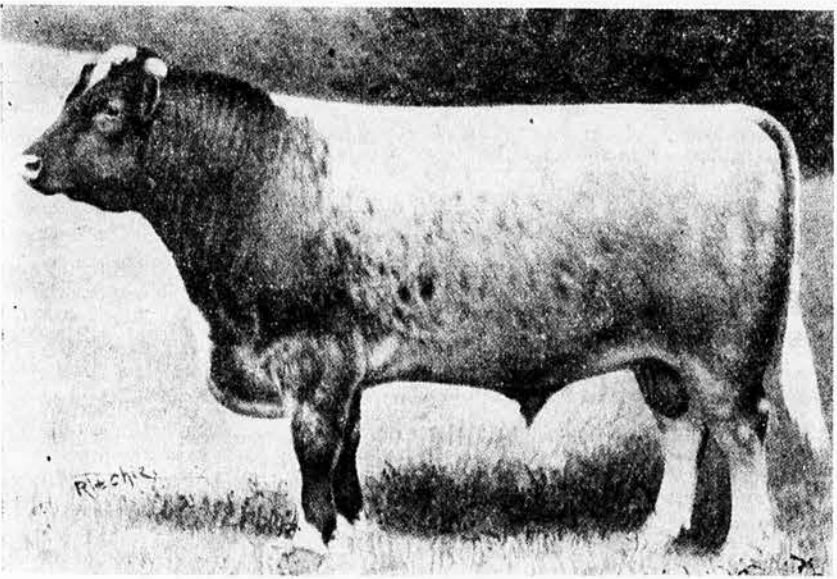
## TO TRADE

350 acre grain, grass, alfalfa and stock farm, close to good town, 100 mi S. W. of Wichita, a fine combination farm, \$50 per acre, \$12,000 inc. 5 yrs. 6 per cent, want income property or merchandise for equity of \$15,500. Address **Box 382, Kiowa, Kansas.**

## THE STRAY LIST

Woodson Co.—John E. Barrett—Clerk. **TWO STEERS**—One red 2-year-old steer brand "R" on right hip, and one roan 2-year-old steer, white face, no brand, valued at \$25 each; taken up March 28, 1910, by R. M. Steele of Center township.

Ottawa Co.—H. A. Brownlee Co. Clerk. **HOG**—Female, black, three white feet, two V marks or cuts in ears, valued at \$25, taken up March 7, 1910, by Leonard Hammond, Minneapolis township.



At head of H. E. Hayes' herd at Olathe, Kan.

Sired by the International junior champion at Chicago, Ill., and out of Imported Lady Marr. Mr. Hayes will sell on June 11 a lot of Scotch heifers sired by Baron Marr and a lot of Scotch cows bred to Baron Marr. Watch Kansas Farmer for further mention of this sale.

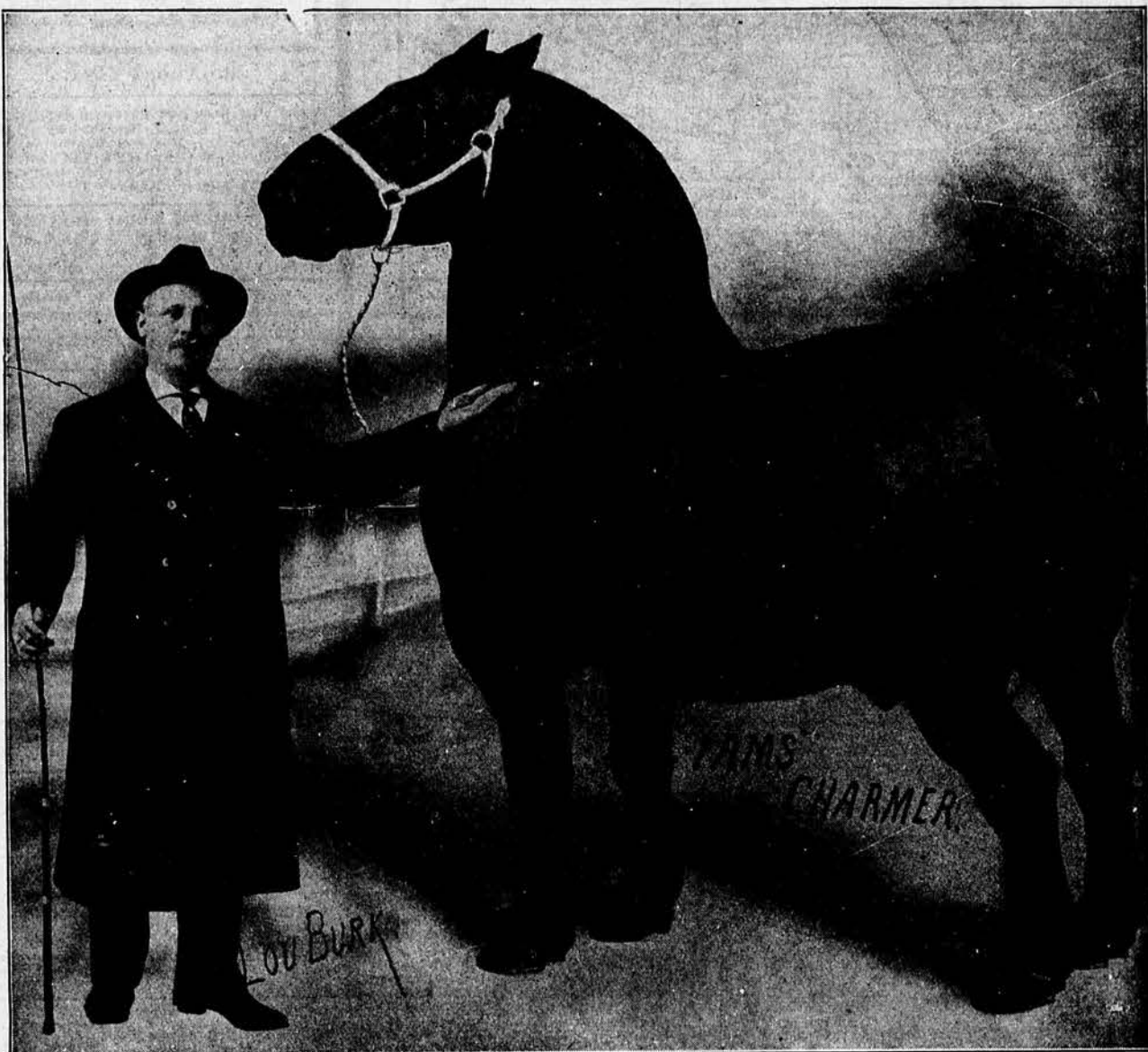


# FRANK IAMS' REDUCED PRICES

on his Imported "1909 Show Stallions" and horses bought for "1910 Show Stallions and Business Stallions." Prices on all Iams' Imported Show and Business Stallions reduced \$200 to \$500 each and his "new suit" of "selling clothes" will sure fit all buyers. IAMS SELLS SHOW HORSES AT SAME PRICE AS OTHERS SELL "CULLS" and they "hypnotize" "carloads" of "Ikey Stallion Buyers" and make them "sit up and take notice" and buy "Imported horses of Iams. His big "black boys" are "ripe peaches" and all must be sold. Get into "Iams' Money-Saving game." Buy stallions today. Get stallions ready for "spring business." Ikey Boy, be the "early bird;" they get the business and choice of Iams' "Black boys" and "Top notchers." "Leave your happy home," visit the "peaches and cream" stallion man, and SAVE \$1,000. Every day is a "bargain day," a "horse show day," and a day of "profit and pleasure" at Frank Iams' "STALLION EMPORIUM," the largest in the United States at St. Paul, Neb. You will positively see here more Imported stallions—"Top notchers," "medal winners," "ribbon grabbers" and every day "business" horses than at any "horse plant" in the United States and double all others in Nebraska. Iams backs up his "ads" and catalog with a "\$500 bonus" (no others do this). He gives five of the best banks in Nebraska for reference.

## IAMS' 60 KINGS OF PERCHERONS AND BELGIANS

are all "top notchers." No International "tail-ends," no "auction stuff," no "pick-ups" or "peddlers" horses, but the best bunch of big-boned, big drafters of quality and finish in the United States, and in the "pink of condition." Iams is a "big fly in the ointment" in the "horse business." He "sets the pace" for all competitors. "Ikey Boy," buy an imported stallion of Iams, the horseman "who does things." Get into Iams' Band Wagon; don't be "side-tracked" by "Hammer knockers." Ikey Boy, "waltz me around once again" and land me at IAMS' "four importing barns and box office" filled to the roof with big "black boys" at bargain prices. Iams is the only horseman who really has "the goods" as advertised. Mr. Stallion Buyer, "come on down town."



IAMS' "four importing barns and box office" filled to the roof with big "black boys" at bargain prices. Iams is the only horseman who really has "the goods" as advertised. Mr. Stallion Buyer, "come on down town."

## Iams' New Barn of 40 Gold Medal Winning Percheron and Belgian Stallions

is opened up for sale (not seen before). All of Iams 1909 "Gold Medal Prize Winners" and first-prize Stallions at Paris and Brussels and leading European Horse Shows, and also 40 "Top notchers" bought for 1910 "Horse Shows" in the United States. They are all in his barns and for sale at reduced prices of \$200 to \$500 each—all in the "pink of condition" and fully acclimated. Iams has positively all his largest and best horses in his barns yet. Son Ikey. All the World knows Iams. He has a "money-saving" feeling for horse buyers. He sold 60 imported stallions and mares to "Iowa Boys" in 1909 and 150 "Top notchers" to the Boys with brains in other states. Iams sells \$4,000

## IMPORTED STALLIONS AT \$1,000 AND \$1,400

(some higher). Iams sells the "wide-as-a-wagon kind that don't need to be "ped-dled" or put on the "auction block" to catch "suckers." Iams is a horseman in a class by himself; he is selling more horses yearly. Ikey Boy, "don't be a loser;" be "the wise guy after all." Try Iams, the "peaches and cream" stallion man. He is the largest individual importer and breeder of Percherons and Belgians in the United States. Iams has a "warm spot" in his heart for all stallion buyers.

## IAMS' SAVED \$300,000 TO STALLION BUYERS IN 1909

by selling stallions direct to the people, saving all the "middleman's profits." Iams is an expert horseman. He knows the "Top notchers" and delights in selling first class stallions at less money than any competitors. He is "pushin' and a shovin' high prices off the Christmas tree. He is "Johnny on the spot." He is selling more stallions than any ten men in the United States. He knows the "tricks" of the slick salesmen that are "pulling the wool" over the eyes of the honest farmers and selling them a \$1,200 stallion for \$3,000 and \$4,000. Son Ikey! Form your own "stallion company." Visit Iams' town of barns filled to the roof with big "black boys," the "best ever"—"Iams' kind." His 80 stallions, two to six years old, weight 1,700 to 2,500 lbs., 90 per cent blacks, 50 per cent ton horses, are a "horse show better than the Internation.

## IAMS' 1910 HORSE CATALOG IS AN "EYE OPENER"

"a bunch of gold," the "book of books" to stallion buyers. It is full of truths, facts, "business propositions" and 115 illustrations of the best and largest imported stallions and mares in the United States, "true to life," the "wide-as-a-wagon" drafters—the real "peaches and cream" stallions. It shows the "tricks" of "stallion peddlers" and "auction block" salesmen. It is the finest, most elaborate and original up-to-date book in the world. Iams' 28 years of successful business, importing and selling stallions, makes him a safe man to do business with. He sells stallions on honor. A boy or lady can buy as cheap as a man and get a better horse of Iams, the "square-deal" horseman. If you visit him and don't find every statement in his advertisement or catalog as represented, you can get the \$500 that he hangs up. IAMS guarantees to sell you a Better Imported Stallion at \$1,000 to \$1,400 (few higher) than are being sold to farmers' stock companies at \$2,500 and \$4,000; with 60 per cent breeding guarantee, with freight and fare paid by IAMS.

## IAMS' CAN FURNISH BUYERS \$1,500 INSURANCE

You say, "Why can Iams sell better stallions at half the price of others?" IAMS buys and sells every stallion himself. He buys stallions by special train loads, 200 at a time. He speaks the languages, saving 20 per cent. He is not in the "stallion trust," saving you \$300. He pays no "slick" salesman \$100 to \$1,000 to sell you a fourth-rate stallion. He has no two to ten men as partners to share profits with, he pays spot cash for his stallions, owns his farms, houses, barns, stocks and stallions.

## IAMS' HAS THE LARGEST and BEST STALLIONS ON HAND YET

(not seen by the public before) now on sale. He sells stallions by "Hot Advertising" and having "the goods" to make every statement good. Iams sells stallions so good that they do not need a "slick" peddler or the "auction block" to sell them. Special prices made at Iams' barns only. Iams will save you \$1,000 in commissions and "middlemen's profits." "Papa, dear," buy me an imported stallion of Iams. He will make me \$1,000 in six months and be good for 20 years. Iams has the kind that lay these "golden eggs." Don't let one of these "auction men" "hand you a lemon" with one of these so-called American full bloods with questionable breeding.

## IAMS' PRICES REDUCED \$200 TO \$500 EACH

on all his "Show horses" (40) and "business" horses (40) for sixty days. Write for Iams' Million Dollar Horse Catalog. Iams' guarantee is backed by a "half million dollars." References: Omaha National Bank and First National Bank, Omaha, Neb.; St. Paul State Bank and First State Bank, St. Paul, Neb.

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