# left or. s. a.e. OF THE FARM AND HOME FOR THE IMPROVEMENT

Volume 48, Number 29.

TOPEKA, KANSAS, JULY 9, 1910

Established 1863. \$1 a Year.

# Soils and Conservation of Fertili

"I now believe there is a scientific riculture." This is the statement agriculture." made by a prominent business man of Topeka who listened to the address made by Dr. J. T. Willard of the Kan-sas State Agricultural College before the Shawnee Alfalfa Club at its June meeting. This business man has had no connection with farming interests in a practical way, and had remained in the ranks of the "Doubting Thom-ases" until after he had listened to

Doctor Willard's address.

Doctor Willard chose for his subject, "Soils, and the Conservation of Fertility," and there was a number of valuable points suggested by him that will be carried home and treasured by members who were present.

It seems that Kansas had had no leguminous crop until the advent of the alfalfa plant. This plant plays a very important part in the maintenance of soil fertility but not so much as it has been given credit for by many people. Soils are composed very largely of mineral matter, with a much smaller amount of vegetable matter and a still less amount of animal remains. These are about twelves matter and a still less amount of animal remains. There are about twelve or fifteen chemical elements in all kinds of plants though only a few of these are really important from an agricultural standpoint. All of these elements are derived by the plant either from the soil or from the air. The four important elements of potaggium phosphorus calcium and nitassium, phosphorus, calcium and ni-trogen are those most generally nec-essary to consider by the farmer and of these the first three named are de-rived from the rocks and the last from the air. Nitrogen is one of the most important elements of plant food and it gets into the soil very slowly in three ways. Electrical dis-charges produce oxide of nitrogen in the air and this is washed into the soil by the subsequent rainfall. Nitrogen may be acquired by the soil through the application of fertilizers that are rich in ammonia. With a little start micro organisms can grow in the soil and develop more nitrogen. Some of these have the power of taking free nitrogen from the air and it was reckoned a great advance in the economy of nature when nitrogen producing bacteria made their home upon the roots of plants.

These bacteria most generally live and thrive upon the botanical family known as the legumes and most of the nitrogen in the soil now comes from the growth of these plants and the development of nitrogen producing bacteria on their roots.

Alfalfa is the salvation of the soil rightly handled, but the idea that it is a general fertilizer is all wrong. No legume is or can be a general fer-tilizer. The legumes supply nitrogen to the soil and if an occasional crop is plowed under as green manure they supply humus as well. If legume hay like alfalfa, clover, cow-peas or soy beans, is sold off the farm and no nitrogenous fertilizer applied to it, the farmer is robbing his own acres and is really mining his land instead of farming it.

The heavier the yield of aifalfa hay the greater is the drain upon the land. This is true of any crop, and a heavy yield leaves the land poorer with each harvest. The action of the elements may serve to dissolve and render available the mineral foods like phosphorous, potassium or lime,

Alfalfa Is the Salvation of the the wheat belt have been turned to other crops and a rotation has been forced upon wheat growers. who for-Kansas Farm If Rightly Handled

but they can not restore the nitrogen, without which plants can not grow. The farmer who continuously crops his land without manuring it is like the man who draws upon his bank account without adding to it. He may have his checks cashed by the banker for a while, but there is sure to come a time when he will overdraw his account. Many farmers overdraw their accounts with the soil very early in their experience.

The alfalfa plant has a selective power and will vary in its composition with the soil in which it is planted. Any plant which produces a heavy yield will remove a proportionate amount of mineral elements, and it is known that alfalfa removes more phosphorous from the soil than any other crop. Kansas soils are all defi-cient in phosphorous, and this fact provoked a remark on the part of the Professor, that while alfalfa rightly

handled is the salvation of the Kansas farm if wrongly handled it may prove its condemnation.

The maintenance of the fertility of the soil is a much simpler matter than is its restoration after it has once been depleted or exhausted. Men are now actively interested in restoring the fertility of their farms, when they should have begun with its maintenance thirty years ago.

If soil is deficient in nitrogen it can be restored by the use of saltpetre, tankage, or the growth of alfalfa. The initial cost of the commercial fertilizers is practically prohibitive, so the Kansas farmer has a cheap and easy way of restoring nitrogen to his soil by the use of barnyard ma-nure and the growing of alfalfa. A wheat crop will take from the soil about \$7.00 worth of nitrogen per acre each year but can not restore one particle. For this reason large areas in

forced upon wheat growers, who for-merly raised nothing but this cereal. There must be at least twelve thou-

sandths of one per cent of potassium in the soil, as the minimum amount required for crop growth. Kansas soils average about ten times above this minimum. In order to produce a crop the soil must also possess twohundredths of one per cent of phosphorous as a minimum. Kansas soils show as low as twenty-seven-thousandths of one per cent, and are therefore very low. Nitrogen is also low in Kansas soils, which are yet in their native state. It is therefore true that nitrogen and phosphorous are the only two elements of plant food about which the Kansas farmer need have any particular care, and the growing of alfalfa will provide an ample supply of nitrogen from the air.

Phosphorous is the real problem in agriculture today. The beds of guano found on the islands of the seas and the beds of rock phosphate found in a few isolated deposits in the United States, are both being rapidly exhausted. Unless some new source of phosphoric acid is discovered the source of artificial fertilizers for this element of plant food will soon be gone. If crops are grown continuously and sold off the farms, the time will surely come when the soil will be depleted and become non-productive. As Kansas soils are naturally low in phosphorous, and as this is the only element of importance that is difficult to restore to the soil, the only salvation for the Kansas farmer is to stop selling his crops off his farm and feed them to animals who will manufacture them into beef, pork or butter, and at the same time produce large quantities of manure, which is relatively rich in this important element. Nitrogen may be secured from the air, through the growing of leguminous plants. Potassium so plentiful in Kansas soils that it need cause no immediate worry, but phosphorous must be supplied by artificial fertilizers, barnyard manue or the practice of plowing under crops for green manuring.

Reckoned at commercial prices for potassium and phosphorous, the value of the manure from one horse is stated to be \$28.83 in one year; from one cow, \$6.25; from one sheep, 90 cents and from one hog, 96 cents. Even if all the crops that are raised on the farm are fed to animals and their manure returned to the soil, the fertility can not be maintained at its maximum. Animals will excrete from 96 to 98 per cent of their food in the form of manure, and when this is applied to the soil there will be a loss from washing and other causes in addition to the four per cent which has been retained in the animal body, so that the process of deterioration in the fertility of the land must continue unless more manure is applied to the land than is produced on it. Every crop of alfalfa or other legume weaken the soil in phosphorous every day, and this is where Kansas soils are weakest. The only salvation for the Kansas farmer who would preserve the fertility of his land is to feed his crops on his own farm. With every load of hay sold, so much of the farm is disposed of. With every animal fed so much of the farm is preserved.



Father Politics' Busy Season

# Can Fish Farming be Made Profitable?

Some years ago there was a great deal of attention directed to the German carp and the great possibilities for money making to be found in growing this fish in stock ponds, water tanks, bayous or even in common puddles. He was described as tie "poor man's fish" and the farmer's fish, and was said to be able to live on food and in weather conditions which would not support any other member of the finny tribe, and yet to be able to furnish a wholesome and palatable table dish for the farmer and his family.

Away back in the 80's the Agricul-

tural College established a series of ponds which were stocked with scale, mirror and leather carp. The idea here was to test the carp as a possible food producer, and at the same time to determine the relative values of the three varieties. These ponds were mantained for about three years, when the test was given up.

Growing out of the enthusiasm of those who talked much and knew little about this fish, innumerable ponds all over the state and many slow flowing streams were stocked with the German carp. Spring freshets served to break down the dams, and distribute these fish to the streams of the state where they have seemed to thrive ever since. In fact, there is one location a few miles west of Topeka, where the breaking down of a stock pond dam served to distribute the German carp into the ditch alongside the rairoad track, and these fish are beleved to have their home in this unique fish pond, although many years have elapsed since they first took up their abode there.

All that has been said in regard to the vitality and easy keeping quali-ties of the carp is true, and if one were to raise fish merely for amusement, perhaps nothing better could be selected, as it will live and thrive with less care than any other known fish in this country unless perhaps it be the gold fish, which belongs to the same family. When it comes to utilizing the German carp, however, that is another question. The writer has met people who claimed to like them as food and he has no reason to doubt their honesty though he might criticise their taste. It is known that in the old country, where the German carp has long had its home and whence it was imported to the United States, it is a common practice after catching these fish to put them in a vessel of clear water and feed them on bread and milk for several weeks before any attempt is made to use them as food. The object of this is to get rid of the very rank taste and odor with which they seem to be naturally endowed.

German carp are vegetable feeders entirely and for this reason it is only possible to catch them on a hook and line when they are suitably baited with specially prepared bait. It is said that they will eat cheese, and it may be true that they occasionally est insects, but the ordinary feed is of vegetable origin. As a food product they are a huge joke, being rank in flavor and full of bones, though this latter feature is less noticeable in the larger sizes.

Fish farming in Kansas can hold out but little inducement as a money making proposition. It is possible, however, to get a great deal of satisfaction and pleasure with an occasional choice addition to the bill of fare by stocking the ponds and streams with suitable varieties of native fishes. Among these the black bass ranks as king. In order to raise him, however, the water in which he makes his home should be supplied from springs or from constantly working pumps. It should have sufficient depth in places to enable him to retire to the cool dark holes in the summer season as protection against the heat and in the winter season as a preventive against being frozen up. Ponds that are supplied with springs generally make a very good home for the black bass, though the large mouthed variety will thrive better in such waters than does the small mouth, which is by nature a stream fish.

Black bass are carniverous and live upon other fish, crawfish, insects, and any animal matter that may come their way and be within their powers of handling. While the bass will not attack a large German carp, the young of the carp makes excellent food for him. He belongs to the same family

# Valuable for Family Supply and For Pleasure But Not for Money

as the sunfish, the croppy, the jack salmon, and the drum or silver bass. There is no fish that affords greater pleasure to the angler than the black bass unless it be the trout of the Rocky mountains. He is a fighter and never gives up until exhausted. If taken in the early spring or after frost in the fall he makes a delicious morsel for the table. During the hot months of the summer the bass is subject to disease or to parasites which affect their eating qualities though, so far as the writer knows, do not result farally to the fish. There are a number of streams in Kansas that are the home

sippi cat and others, will live and thrive in almost any kind of a pond, but their flesh is not so palatable nor are they worth while when better fish can be had for the same amount of trouble. The bull head family is characterized by large head and relatively small body, with a square tail. The channel cat, on the other hand, has a small head and deeply forked tail. This fish is at home in a stream and prefers running water, although if the ponds are well supplied by springs he will live and thrive in them. Everybody is acquainted with the quality and flavor of his flesh, and he needs



Black Bass and Channel Catfish raised in an artificial pond in Western Kansas.

of the black bass and some of these have been plentifully supplied with them in years past, though a careless observance of the fish and game laws, the dynamiting of the streams, and seining or netting has served to deplete their numbers.

The natural home of the black bass in Kansas is in such streams as have rocky bottoms, clear water, more or less of water plants, and long stretches of quiet water with occasional ripples. He does not live in the sandy streams like the Kansas or the Arkansas, although he is found in plentiful numbers in some branches of both. As a pond fish he will thrive in waters that are supplied by springs or by artificial means so that the water does not become too stagnant. He will live in water that is more or less stagnant, but does not thrive.

There is no use in attempting to import fish for stocking of private waters in this state. Many attempts have been made both by the state fish commissioner and by private parties, but these have always resulted disastrously. However we are well supplied with a variety of native fishes which answer every purpose, and among these may be mentioned the channel cat, which rightfully is entitled to rank as a game fish, although his name usually places him in another catalog among those who are not familiar with his habits or the quality of his fiesh. Of course the bullhead and all his family, including the black cat, the stone cat, the Missis-

no recommendation. He is well calculated to take care of himself as his spines make of him a thorny morsel for the black bass or other predatory fishes. Given a supply of clean, irosh water he will take care of himself, though in the construction of new ponds it is always necessary to wait for the development of vegetable growth in the bottoms and along the margins in which insects and crawfish make their homes, or else it will be necessary to provide feed for either the bass or the channel cat until nature can adjust herself. After the pond is well established and supplied with the necessary vegetable and insect growth no farther care is necessary for the production of these game fishes.

Other fishes of use and value may be placed in the pond without inter ference with the bass or the channel cat, but these two are the best for all purposes of pleasure and food supply. Any one of the several varieties of sun fish will thrive in the stock pond and of course the bull head family will be right at home. It has never seemed worth while to raise inferior fish and so the writer has always excluded the German carp and the tull head family from his experiences and has stayed by the black bass and the channel cat as the two best varieties for this coun-They are not subject to attacks by enemies and if the water is clean and fresh do not suffer from disease or parasites.

Considerable trouble will aways be

experienced probably from depredations made by turtles and the work of musk rats and crawfish on the dams. One well known farmer in Shawnee county who has maintained five large stock ponds, all of which have been stocked with fish for years, has experienced so much trouble from wash outs and the work of musk rats and crawfish that he has lately replaced all of his earth dams with those of solid concrete and finds that, while the expense of building the concrete dam is somewhat greater than that of building an earth dam, it is cheaper in the long run as the concrete dam never has to be rebuilt or repaired.

While these ponds are a source of possible revenue to the owner who engages in fish culture it is not thought that the revenue will be great or remunerative. The ponds are a necessity in most cases, as a water supply for stock, and the presence of fish in them serves to produce natural conditions, to purify the water, and to furnish an occasional table delicacy which is highly appreciated by most people. The main value of such attempts at fish culture, however, lies in the pleasure afforded to the farmer and his family who can take an occasional vacation of a half day or even of a few hours, enjoy a picnic dinner in the shade, have a great amount of sport in fishing and return to the house reinvigorated in mind and body and with a nice catch which will provide the family breakfast with a highly appreciated variety to the bill of fare.

The building of a pond is a comparatively simple matter, as it usually consists in the damming of the draw or swale on the farm. Where the soil is a black loam and where quick results are not demanded, it might be wise to construct the dam and allow it to stand during one season, in order that the vegetable growth may get fairly started. It may be desirable to foster this by planting pond lillies and other water loving plants and no harm can result if weeds are allowed to grow in and about the pond during the first year. If the site for the pond is on sandy land, however, a different treatment will be necessary. One of the most successful attempts that the writer has ever seen to render a pond water proof which had been constructed in sandy land, was made by feeding a bunch of sheep on the pond with during the winter months. The site during the winter months. The same result could be accomplished by feeding hogs there. The accumula-tion of vegetable matter, together with the trampling of the animals serves to puddle the surface in such a way that it will hold water. The longer the water remains in the pond the less likely it is to leak, as the sediment deposited by the water will make it water tight. Another way of handling a pond in sandy land, is to reverse the scraper and ride around in it so as to smooth the surface of the ground while moist as one might smooth the surface of mortar with a trowel. If the bottom can be made to hold water for a time, it will gradually become impervious with the increasing height of the water level. After the pond is once constructed and vegetable growth has well started, no further attention will be demanded except that required to repair the damage done by musk rats and crawfish. With a suitably equipped pond, well stocked with a good variety of fish and made the home of a colony of ducks the pond may be made to pay for itself even though it does not bring any considerable revenue in money

In England they do not talk about their land being "wheat sick" when it averages over 30 bushels per acre after centuries of cultivation. In Kansas large areas in the wheat belt are now devoted to other crops because the land is "wheat sick" and will not produce that cereal in paying quantities any more. Who is to blame, the land or the man?

The Kansas Agricultural College is manufacturing a large supply of hog cholera serum for the prevention of hog cholera, and trained men from the veterinary department are visiting herds throughout the state and cooperating with local veterinarians in the work of vaccinating hogs. This work will be worth millions of dollars to the state.

# Gasoline Engines on Harvesters

Have you tried the small gasoline engine on your harvesting machine? The Kansas Farmer wants to get at the real facts as to the value of the small gasoline engine on harvesting machinery, and invites its readers to send in their experiences together with photographs showing the methods of attaching the engines to the binders and of connecting the engines to the sickles. Some have praised this plan as an important advance step in farm mechanics while others have reported adversely. What is your opinion and experience? If a manufacturer should put out a gasoline engine adapted to this purpose, would you care to buy it? If a harvester company should offer a machine with a gasoline engine attachment would this prove an incentive to purchase? If there is any good in the proposition of attaching a gasoline engine to a harvesting machine the Kansas Farmer would like to know it. If there is no good in it this information would be equally valuable.

# POLITICS AND THE SCHOOLS.

In the past history of Kansas there has existed times when men who were responsible for the management of the public educational institutions, both great and small, have been appointed to their respective positions, chiefly as a reward for active political service. Qualifications for the work in hand are seemingly not thought of and if a man has done some political work for the officer who holds the appointing power he is rewarded by being given a position of honor or emolument or of both. As the positions which pay attractive salaries are not numerous and as political workers are always plentiful, many of these men have to be content with places of honor only. These men are placed on the school boards and the governing boards of the state educational institutions. Sometimes they develop into good officials. Sometimes they merely draw their salaries, and sometimes they use their positions for political purposes. In most cases, however, where such appointments ments have been made they are con-tent to do the routine work and draw their salaries.

A case in point is one about which much complaint is made in papers of Kansas at this time because of the gross misrepresentation which made of this state and her resources made of this state and her resources in the text book on geography that is used in the primary grades of the public schools. On the outside of this text book is printed the words, "Kan-sas Edition," and this implies that some special attention has been given to Kansas in the text, yet the word Kansas appears only once inside the covers and that is on the map of the state. The description of the country lying between the Missouri river and the mountains, of which Kansas is a most important part, is given as fol-

"There is a belt of high plateau land east of the Rocky mountain coothills, stretching from Texas to North Dakota, which has very little rain, not enough to make grain growing profit able, and so it is devoted to grazing. Where the buffalo once fed in countless numbers now graze thousands of cattle. A stranger would think that treeless plains are quite unsuited for cattle, they seem so brown and bare; but the low, sun-dried grasses are wonderfully sweet and nourishing. No hay is equal to these grasses, dried where they stnd, and waiting to be nibbled through the winter months.

In many cases the herds are small and are kept in fenced fields, as in New England and the middle states; ut sometimes the cattle are in imnense herds, and feed upon great tracts of unfenced land, where it is necessary for men to watch and care for them. These herders are called

cowboys. "The cowboys almost live in the ddle. They wear overalls of leather and wide-brimmed hats, carry large revolvers, and use big spurs on their long boots. They endure rough fare, hard work, and all kinds of exposure to the weather. They become so hardened that they can live in a tent all winter, and think it is very comfortable. They can sleep on the ground beside a herd of tramping, bel-lowing, noisy cattle, or make their home for days under a tree. Cowboys receive about forty dollars a month for all this hard work."

More descriptive matter is given about the cowboy and his work, and the article winds up with the information that: "You owe the roast beef you have for dinner to the grass that grows on the far off ranches and the labor of the hard worked cow-

Not one word is said about the real facts as they exist in Kansas, Nobraska and Oklahoma. No information is given about the enormous crops of farm, garden and orchard products and of live stock that together form the largest element in the food supply of the patter. This boys the food supply of the nation. This book is edited by Chas. F. King of Boston, published by Chas. Scribners' Sons, and adopted by somebody for use in Kansas schools.

The harm done to Kansas in the publication of such matter in a text book is a real one though this might be survived if it were not for the fact that it is used for our children at a time when they are forming their first impressions of men and things.

KANSAS FARMER TORIAL

With which is combined FARMER'S ADVOCATE. Established 1877. Published Weekly at 625 Jackson St., Topeka, Kan., by The Kansas Farmer Company.

ALBERT T. REID, President. J. R. MULVANE, Treasurer. S. H. PITCHER, Secretary. I. D. GRAHAM, Associate Editor

T. A. BORMAN, Editor-in-Chief. Chicago Office-First National Bank Building, Geo, W. Herbert, Manager.

New York Office-41 Park Row, Wallace C. Richardson, Inc., Manager, Entered at the Topeka, Kansas, postoffice as second class matter.

SUBSCRIPTION PRICE—\$1.00 per year; \$1.50 for two years; \$2.00 for three years. Special clubbing rates furnished upon application. The expiration date of subscription will be found on the label on your paper. We must be notified in writing when the subscriber desires the paper stopped. Returning the paper is not sufficient, as we cannot tell from the label alone what the address is. Both name and address must be given.

ADVERTISING KATES—35 cents per agate line. 14 lines to the inch. Announce ments of reputable advertisors respectfully solicited. No medical nor questionably worded advertising accepted. Forms close Monday noun.

PUBLISHERS' GUARANTEE TO SUBSCRIBERS—KANSAS FARMER aims to publish advertisements of reliable persons and firms only. We guarantee the reliability of our advertisers as follows: We will make good to any paid-up subscriber, any loss he may suffer, thro' fraudulent dealing on the part of any of our advertisers, provided complaint is made to us within thirty days after the transaction, and it is shown, that the subscriber in writing to the advertiser, plainly stated that "I read your advertisement in KANSAS FARMER." We do not, however, undertake to settle, or he responsible for petty or trifling disputes between a subscriber and an advertiser, though we extend our good offices to that end.

PICTURES—Good photographs, drawings or plans are especially solicited. Senders' names should always be written on the back of each picture. KANSAS FARMER cannot be held responsible for any picture submitted.

CONTRIBUTIONS—KANSAS FARMER is always glad to have correspondence on all farm, live stock, or household subjects. Your name should be signed to all communications and they should always be addressed to

KANSAS FARMER COMPANY,

TOPEKA, KANSAS.

K. S. A. C. CATALOGUE.

The catalogue of the Kansas Agricultural College for 1910 is a bulky volume of some 300 pages, each one of which will prove of interest to Kansas people of all classes, but especially to Kansas farmers. This catalogue marks the completion of the 47th year of successful work. It also contains the announcements for the 48th year and these will be found to be of special importance because of the vital changes which have been made in the courses of study.

As before mentioned in these columns, it was possible, under the old arrangement of studies, for a student to spend a year and a half in this college without receiving anything of agriculture, domestic science or the mechanic arts and, if necessity com-pelled it, he would leave without hav-ing had a particle of instruction in those branches of learning for which this institution stands. Now, the courses of study are so arranged that every student gets some benefit from the distinctive features of the college no matter how short his stay may be

and he begin to get them from the day of his matriculation.

The style of the catalogue has changed and a new dignity has been given it which is in some measure commensurate with the importance of the institution it represents.

\* \* \* Why not maintain a little experimental plat of your own? It is not always the part of good judgment to plant a whole field in some highly recommended variety about which you know nothing, except through the statement of others. With a small plat in some handy corner of the farm it is possible to test out new varieties or those which are different from those in common use, and determine whether they are adapted to your methods and conditions. No extra labor need be involved, as the plat can be maintained in one corner of the corn field or of the wheat field. The only disadvantage which might come from this would be a possible crossing of varieties. But even though it should cost a little extra labor, it might easily be worth while.

Since the price of meat has advanced to such a degree that a steak now "tastes of the silver," there have been many suggestions made by many men as to the best remedy. Among them is one made by an officer of the government, and it seems to be made in all seriousness, to stock the bayous and lagoons of the Gulf states with African hippopotami. These animals are said to furnish a delicious meat and to be well adapted to the conditions to be found in the South. Wonder how about killing on shares, so that each family would take home a quarter? This might not be the solution of the price question, but it sounds better than horse and mule meat, anyway.

× × ×

KANSAS CROP CONDITIONS.

Because of the varying reports from different sections of the state, Secretary Coburn asked his correspondents to revise their April esti-mates of crop conditions in Kansas. He has just issued a report showing the present condition of wheat, corn and oats. In this it is shown that much of the wheat that was thought to be lifeless in April has stooled out and will produce creditable yields. The county of Barton is cited as an example both of having the largest acreage in wheat and the largest abandoned area. The April statement showed 27 per cent of wheat land showed 27 per cent of wheat land abandoned while the June 29th state-ment showed only 17 per cent abanment showed only 17 per cent abandoned. On the other hand, Dickinson county reported 75 per cent of its wheat as being worthless in April and 93 per cent in June. In spite of the shifting of conditions in different parts of the state the total area that will be harvested will be about 4,500,000 acres. As compared with 100 for perfect the condition of this wheat is about 76. The northwestern portion of the state suffered from a dry spell which prevented the heads from fill-ing out properly while in Sumner, Cowley and some other counties, chinch bugs have done more or less The largest percentage of damage. losses to winter wheat was in the eastern half of the state although : few of the prominent wheat belt counties have suffered.

Because of the unsatisfactory appearance of the wheat in the early part of the season Kansas will this year have the largest acreage in corn in its history. The general average condition at present is 80 per cent, as compared with 88 per cent in June, 1909, and 75 per cent in June, 1908, and it is possible that the state will show a bumper crop in this grain this

The area sowed to oats is also unusually large because of the unsatisfactory condition of the wheat in the early part of the season. Information now in hand shows a net gain of 64 per cent, while the condition of the crop is reported at 86.6 per cent. The acreage promises to be the largest since 1903 and will aggregate some-thing over 1,600,000 acres.

Aside from ten or twelve counties in western Kansas, where the growth of grass has not been satisfactory the prospect for the hay crop is good, with an excellent growth of alfalfa reported in all sections. The second crop of alfalfa has proved to be of excellent quality and has been harvested in good shape generally.

A X

Prof. M. A. Carleton, cerealist of the Department of Agriculture, and who, by the way, is a Kansas boy and a graduate of our Agricultural College, once said that he expected to live to see the day when the semi-arid plains of the West would become the granary of the nation. He is a young man yet, but the progress made in dry farming methods has been so rapid that he has already lived to see a large part of his dream realized. Already the corn belt has extended beyond the Western Kansas border and farms now exist where once the range steer found a bare sustenance. A recent trip to Western Kansas showed crop conditions that are superior to those of the eastern part of the state and, though this may be attributed in part to the season, the records show that crop returns are r that ly deemed possible and the community prospers. A scientific study of weather and soil conditions, together with the judicious selection of species adapted to this region, have brought this about, but not alone. Credit must be given to the men and women who endured the hardships of pioneer life and compelled success others, less courageous, have failed. 36 36 36

Evidently this is another season which is favorable to western Kan-sas. Reports generally indicate that the wheat is in a most promising condition and that the expected yield will be heavier than was anticipated. The wheat has stooled out and made a good stand while the heads are large and well filled. The Kansas average may yet be maintained.

What idea of the value of geography can be gained by a Kansas boy or girl, who is surrounded with every comfort that can be purchased by the bountiful crops of his father's farm when he reads such stuff as this and is given to understand that it applies to the country where he ilves. The article is not illustrated with anything that pertains to Kansas but shows four pictures of cowboys and one of an Indian, neither of whom was ever seen by the average Kansas boy. If his text book teaches him such rot as this about the country where he lives what idea can he gain about the rest of the world of which he reads in the same geogra-Serious blame can be attached to

the author of this text book for his lack of knowledge of this country when it is so easily obtained. The publishing house may be criticised for issuing such a book, but the most serious criticism attaches to the authorities who adopted such a book for use in Kansas schools. Who is to blame?

\* \*

Estimating potassium at 6½ cents per pound and phosphorous at 10 cents per pound, the Illinois Experiment Station has just completed an eight-year experiment in the use of commercial fertilizers in which 300 pounds of potassium and 200 pounds of phosphorous were used on each acre. The results show that the increase in crops paid a small profit on the investment in potassium and a large profit on the investment in phosphorous. The same experiment in cluded the use of commercial nitrogen and this resulted in a loss. As stated elsewhere in this issue by Doctor Willard. tor Willard, nitrogen is best supplied to the soil through the growing of some leguminous crop like alfalfa cow-peas or clover.

3 × ×

The Crop Reporting Board of the Bureau of Statistics of the United States Department of Agriculture places the condition of winter wheat on June 1 at 80 per cent, as compared with 82.1 on May 1, and 81.9 per cent the ten-year average. Kansas is credited with 13.9 per cent of the total acreage of winter wheat in the United States, and her ten-year average is given as 78 per cent. The present reports show that the condition of Kansas winter wheat has improved by two points since May 1 of this year, and now stands at 67 per cent for June 1, as compared with 72 per cent on the same date one year ago. Kansas stands first in winter wheat in the United States. Her position with regard to the oats crop is No. 13, but the condition of the oats crop is 84 per cent as compared with the ten-year a verage of 77 per cent. The acreage of oats in Kansas is 120 per cent as compared with that of 1909. Kansas has 102 per cent more barley than last year, and its condition is given as 90 per cent as compared with a ten-year average of 78 per cent.



# PROTECT WINTER WHEAT FROM FROST

If your winter wheat is not planted properly with a good drill, thousands of seeds are *sure* to be killed by frost, and just that much ground stands idle because the seed did not grow. Still more ground will stand idle because seeds were planted too close together, and the plants will starve because they cannot all get enough nourishment.

Are you not losing money when you waste seed this way, and lose the use of your ground—to say nothing about the waste of seed?

It is a *sure* fact that you are losing more money every season than it would cost you to make your winter wheat and spring oats *safe* from frost—safe from sun, birds and heavy rains—to get the use of all your ground

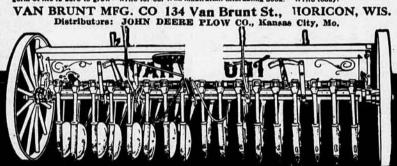
# **VAN BRUNT SINGLE DISC**

DRILLS increase your yield on 25% less seed. Twice a year you can make a substantial profit with a Van Brunt Single Disc Drill. It plants and covers every seed deep enough to be safe. On 25% less seed than you are using now, you can increase your oat crop 25%. On 25% less seed than you use in broadcasting winter wheat you can make as remarkable an increase in your wheat crop. At the same time you will improve the quality of your crops. Seeds are all planted at same depth; they sprout, head-out fully, and ripen at the same time. Plants grow with stronger stalks and deeper roots to withstand beating rains and heavy winds.

This seed saving and the big increase in yield more than pays for a Van Brunt Single Disc Drill the first season. The years after that it makes clear profit.

The Van Brunt is the oldest, longest established drill, solidly, substantially built to last a lifetime. Nothing to get out of order. Disc bearing can't work loose—and needs oiling only once or twice a year.

Free Book. If you want to know how to prevent waste of seeds and ground—if you are interested remarkable savings in seed—if you want to investigate how to plant seed so that every seed with so of life is sure to grow—write for our free illustrated, interesting book. Write today.





Rider Agents- Wanted

in each town to ride and exhibit cample not bicycle. Write for Special Offer.
Finest Guaranteed \$10 to \$27 of the Coaster-Brakes and Puncture-Proof tires. all of best makes of 100 512
100 Second - Hand Whoels,
100 Second - Hand Whoels,
11 makes and models, \$3 to \$0
Great FACTORY CLEARING SALE
We Ship on Approval without a
cent deposit, pay the freight and allow
TIRES, coaster brake rear wheels,
lamps, sundires, half unad prices. Do not buy
till you get our catalogs and offer. Write now,
MEAD OYCLE OO., Dept. \$214 Chicago

# **EASY TO GET**

TWELVE (12) PICTURE POST CARDS FOR A VERY LITTLE EFFORT.

To any reader of Kansas Farmer who will, within the next ten days, send us 25 cents in stamps for a three months' ready a subscriber) we will mail, absortial subscription to some friend (not allutely without any other expense, 12 beautiful post cards.

These cards are imported from Saxony, are done in natural colors by a wonderful process, and are truly works of art. Send for them at once, for they are going fast, Address KANSAS FARMER, (Desk C) Topeka, Kansas.

My Special Offer to the First Man In Every Community Who Orders a

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

Tremendous Strength, Light Draft, Big Capacity My Spreaders easily handle the enormous tonnage of manure on my farm. They've got the capacity and the strength. I figure every ton of the manure I stread worth \$2 to \$4 in cash.

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

I build two styles of Spreaders: No. 1—Rankin Spreader, complete, a Standard Spreader. No. 2—Rankin Wagon Box Spreader (no truck, but will fit any ordinary wagon or truck).

Take your choice. Use it 30 days and if you are not absolutely satisfied I'll refund your money and pay freight both ways. Wholesale Prices to everybody. No dealer's rake-off to pay, My Personal Guarantee on every Spreader.

The Rankin Road to Riches

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

Send me a postal now, without fail, for the Special Proposition. (9)

DAVID RANKIN, President David Rankin Mfg. Co., Dept. 191, Tarkio, Mo.





The Gasoline Engine for Farm Work.

The upkeep of the gasoline engine in relation to the amount of work performed and the varied amount of work it will do makes it by far the cheapest power possible on the farm.

In point of economy it is best to select an engine with only ample power to do the amount of work reuired. It is not economy to use an or 10 horse power engine to do a or 3 horse power work.

A 2 or 3 horse power is ample to do the average farm work. An engine of this size will supply all the water for the house, stock and to water the garden, will grind 150 bushels of corn a day, saw the wood, run cream separator, grind stone, in fact, do all the drudgery work on the farm. The expense of keeping up and operating the engine is so small in comparison to the amount of labor saved it is insignificant.

Any of the standard make engines with reasonable care will last for many years without repairs, can be started as quickly as a windmill, re-quires no attention while running, can be arranged to shut off automatically so one can go about other business and return to find the work done. As to fuel consumption, a 3 horse gasoline engine will work all day on 3 gallons of gasoline or at present price for 45 cents. If that seems too great and the engine is being worked steadily all day one can economize by using common kerosene or coal oil without making any change in engine and do the work for less than 25 cents. Simply put in a 3-way cock in gasoline feed pipe and one in the overflow pipe, start the engine on gasoline and soon as the engine gets warmed up switch to the coal oil and it will work just the same, but if only using the engine for an hour or so at a time it does not justify changing. With this expense for power there can be pumped 250 gallons of water every minute for 10 hours, using a centrifugal pump, on a 10 foot lift.

I have a plan now for a lighting system for the house which I expect to use. I use a great deal of water in the greenhouse and use it under heavy pressure which necessitates running the engine several hours each day. Have planned to use a 15 or 20 light dynamo belted to the engine to charge a storage battery at same time am pumping or otherwise using the engine. As for the troubles of gasoline engines remember there are only three things to happen them, soot or scale getting under the ex-haust valve so cannot seat, thereby leaving the engine without compression; wash out with coal oil; feed pipes clogged so feed cannot enter cylinder; clean out pipes; or spark is not working; clean contact points; with these three things in order the engine is doing business at an ex-pense of 7 cents per horse power per day on kerosene or 15 cents on gaso-line.—Frank L. Parker, Hutchinson, Kan.

The average yield of corn on Kan-

sas farms is representative of her farming methods. This yield is all too low. As shown by the Depart-ments of Agriculture of both the state and the nation the average is below 30 bushels to the acre. While this in-

# 30% MORE CROPS

Our free book on cultivation shows the sure way. Think of it, you intelligent farmers—30 per cent bigger crops—30 per cent more earnings—an even better in dry seasons. The illustration shows our

Hinged Shaft . One Horse Drill

for general seeding and intensive work between corn rows. Bows any seed. 5 independent discs. drill with shafts hinged. N ented. Close hitch. Many of Write us for booklet 24

The WM. FETZER CO., Springfield, III.

cludes considerable areas that are not included within the corn belt and much that has not made a profitable crop it is true that the average on the good corn land of the state is yet too low. With the present prices of land the farmer can not afford to raise corn which will average nim only 30 bushels per acre. It is stated that it costs about \$12.25 an acre to produce a crop of corn and this does not include any estimate of cost for the renewal of the soil fertility which should be attended to after every crop is removed. Allowing 30 bushels as the average yield and 45 cents as the average price for the year the farmer who produces this amount of corn on his land is only making a profit of \$1.25 per acre each year over the actual cost of producing the crop. This does not provide for any manuring of the land and does not show that he is getting rich very fast. It does show the need for better seed, better methods of cultivation, and a rotation with alfalfa or cow-peas.

Up near Horton, in Jackson county, is a farm on which there is a considerable area of bottom land, subject to occasional overflow. A portion of this bottom land has been tile drained and is now in perfect condition for any crop. Another portion of about forty acres is not tiled drained and was sown to Alsike clover and timothy. While it is believed that red top would do better on such land than timothy. timothy, it is necessary to sow some grass with the Alsike in order to make it stand up. A combination of Alsike and timothy produces a tre-mendously heavy yield of hay though if the land should be used for pasture the timothy will not stand the tramping of the animals so well as red top.
Alsike is a crop that is comparatively
little known in Kansas farm practice and yet it is really worth while because of its power to grow enormous crops on wet land. It will bear investigating by those who have such wet spots on their farms.

The highway engineer of the Agricultural College has been forced into the building of a concrete bridge by day labor for the commissioners of Ottawa county by the high bids submitted by the bridge companies for a bridge on which the engineer, Mr. Gearhart, had made an estimate. The estimates made on four bridges by the companies was about \$3,000 higher than the estimate made by Mr. Gear-hart. It was, therefor, "up to" the engineer and be preferred to stand by the commissioners.

Agricultural trains have been one of the means the Kansas Agricultural College has taken for the promotion of various lines of agricultural work. Such trains have been conducted over the Rock Island, Santa Fe and Union Pacific lines. For next year arrangements have already been made with the Rock Island Company for a "Hog Train," a "Dairy Train," and a "Horse Train." Gver the Santa Fe the college will probably conduct a "Dairy Train," a "Poultry Train," and a "Corn Train." Arrangements for agricultural trains have not as yet meen made with other roads.

Manure is very perishable and loses rapidly under most conditions from the time it is made. If dropped where it is wanted, or if applied at once, the loss is the least. No farmer should be so blind as to suppose he is keeping up fertility in proportion as he feeds stock, unless he gives the manure proper care; it is getting manure on the land that counts in fertility. When manure cannot be hauled and spread as produced, it is best preserved by the deep stall system (letting it accumulate under the animal's feet with plenty of bedding for any desired time). This system any desired time). This system seems especially adapted to winter feeding in mixed farming. Nitrogen is the principal element in manure, and the full value of manure is secured only when it is applied to land needing nitrogen.

REMAIN REPORT A



# Watch Your Wheat

While it is ripening and at harvest

Is the yield what it ought to be? Is the grain plump and heavy?

Does it run to straw? Does it lodge? Is there rust or smut in it?

Wheat and the ground it grows on are now worth so much that better yields are imperative. How can they be had? By giving the plants the right kinds and amounts of food. Are the right amounts contained in 1-7-1, the 2-8-2 or the 0-10-2 mixtures? Far from it.

These goods may give the best profit to the manufacturer, but how about the farmer? Can he not get more plant food in better proportions and FREE FROM FILLER by paying attention to the subject now, so that there will be plenty of time to buy his plant food direct or through the local dealer, especially his

# POTASH

# Send for new pamphlet on FALL FERTILIZERS

showing how to make balanced filler-free fertilizers from standard materials that your local dealer can buy by the carload, if you tell him about it in time.

In the past you have had trouble in buying potash. We are now ready to sell anyone for cash, a cargo, a carload, or a ton of potash. We are arranging

distributing points in the wheat belt to save you freight on small lots. Ask your local dealer to arrange to buy a car. If that is not possible, write for prices on what amount you want. You will not have to write nine letters before you get potash prices from us. It will pay you to get them, for

# **Potash Pays**

GERMAN KALI WORKS, Continental Building, BALTIMORE, MD.

### MAKE THE TEST Ask About Our Pianos and Prices



\$225 Buys the ELBURN H-2—the Best Flano in the world at the price \$6 monthly pays for it.

In of the well at the price \$6 monthly pays for it.

In of the well at the price \$6 monthly pays for it.

In of the way we have grown if we had resorted to the slide recome an N-ray investigation of our Planos and our selling system. The best proof of the honesty of both is the fact that no other Plano store in the entire country has made the record that Jenkins has.

ONE PRICE, THE LOWEST, COMMISSIONS TO NONE—THE BEST PIANOS MADE, AND THE LOWEST PRICES—Simply summed, that's what this store offers you. Make the test, compare the Planos and the prices—see if every word of it is not the truth. Write today. see if every word of it is not the truth. Write today.
USED PIANOS--SCORES OF BARGAINS
--niany of them as good as new. All of them priced at 1-3 to 1-2 their original value.

We are also factory distributors for STEINWAY, VOSE, WEBER, KURTZ-MANN, ETC.
Write for catalogs, Address Piano Dept. No. 2.

J. W. JENKINS SONS MUSIC CO., Kansas City.

80 FINE POST CARDS ONLY 10c. Birthdays. Best Wishes and Landscapes. German-American Post Card Co., Dept. 38, Burlington Iowa.

Post Gards 50 views of princi-pal scenes in this and foreign countries. Send 25 cents in stamps and get them. Address EDWIN ERNST, 578 W. 7th St., To-

# HOME CIRCLE



Bleached Flour Investigations at the University of Kansas.

The "Bleached Flour" which is now in the United States Court before Judge McPherson, is exciting con-siderable interest. The question to be decided is whether or not the pro-cess of bleaching flour renders the product impure as a food or whether the bleaching adds to the flour an adulterant.

In the Food and Drug law there is a provision that if any substance has been added to an article whereby inferiority has been introduced, or if any valuable constituents have been wholly or in part abstracted, or if it contains any added poisons or del-eterious ingredients, which may render such articles injurious to health, such articles must be considered adulterated.

Some months ago one of the prominent millers of the state of Kansas sent to the University laboratory of which Professor L. E. Sayre is diector, asking him to ascertain whether there was added to the bleached flour, or produced in it by the bleaching process, any deleterious or poisonous ingredients. Two samples of flour of the same grist, one bleached and the other unbleached, were sent. The

PATENTS: For facts about Prize and Reward offers and Inventions that will bring from \$5000 to 10 Million Dollars; and for books of Intense Interest to Inventors, send 8c postage to Pabe. Patent Sense, Dapt. 4g Pacific Bidg., Washington, D.C.

\$10.00

miller stated that if the process of bleaching added to the flour any deletericus ingredients, he did not care to continue it; that it was a small matter to him whether he made bleached flour or not, but his customers were demanding it.

Professor Sayre immediately started upon a series of experiments in order to determine the points in question. In the first place he performed series of tests to ascertain the digestibility of the bleached and of the unbleached flour.

The second series of tests pertained to the question of the baking properties of the two flours. Bread was baked from each of the samples and distributed among consumers whose opinions as to the value of the two kinds of bread were requested.

The third series related to the question of the amount of nitrites which might probably be absorbed and retained by the bread.

The fourth series pertained to the question of the nitrites themselves, which were claimed to be retained by the bread.

The results of these and other experiements were convincing; namely, that no deleterious quality was added to flour when it was properly bleached, and that nitrites when tak-en by the system would have to be far in excess of the quantities present in beached flour in order to af-

fect the blood so as to injure it as an oxygen-carrying element.

To test the effects of considerable quantities of nitrites on the blood Professor Sayre and two of his associates tack several door of rediumsociates took several doses of sodium nitrite, three grains each, one hour apart, and tested the blood after stated periods during the day by means of the spectroscope. No change in the oxygen carrying power of the blood was shown, which means, according to the investigators, that the system has the power of appropria-ting or breaking down nitrites, which are common constituents of the air and many of the materials liable to

be injested by the human being.

The investigations of Professor
Sayre and his associates agree with those of other professors.

Professor Sayre is of the opinion that should nitrates be present in the bread, the strong probability is that the nitrites would be converted into harmless compounds which corres-pond to compounds in natural diges-tion.

### Clean Soap.

Many ladies object to making soap often, claiming it is a messy, trou-blesome job, so they store their soap grease until spring and fall, and then have one grand, big undertaking that supplies them with soap for six months at least. This might be an ideal plan if the grease kept pure and sweet, but it doesn't always do that, and to see the grease used on some farms for soap making would some farms for soap making would be to lose one's appetite for the rest of the day at least, if one stops to think that the dishes are washed with this article. The lean meat, especially, in the grease, and some lean will occasionally cling to the fat, decays and often innumerable maggots can be found wriggling about in the grease. All this might be obviated if only the scraps of fat were tried out in a cleanly manner and soap made

as often as necessary. It isn't such a messy job, after all, nor is it a great deal of trouble. A lard pail kept in a cool place can receive all the waste fat, and when it is full, usually in a short time where there is a large family, a few cakes of hard soap or a few gallons of soft can be manufactured in an hour, and it is as clean as heart can desire. A good prepared lye must be used unless one has the home made article, and the directions followed implicitly to insure success. How-ever some housewives have improved upon the printed recipes by adding a little borax or some other preparation, and experience will enable even

the young housekeeper to evolve her own recipe in a great measure.

Then the soap is poured into shallow pans, some ladies use shoe boxes which may be thrown away after-wards to save washing, and when the soap is nearly cold, or while a sharp knife will go through it and the mark not close up, it is cut into convenient cakes. In less than one hour enough soap to last six to eight weeks can be made, and there will be no suspicion of uncleanliness about it.

The finished product should be stored in a clean, dry place to dry out a little, or it may be used immediately. For washing clothes and for dishes it has no equal, though for hands or toilet it is too strong. After butchering while the fat is clean and sweet, and whenever there is a small quantity of refuse grease on hand, it is well to manufacture soap for the household, for then it is clean, sweet and pure.—Hilda Richmond.

### Delicious Mixed Preserves.

Red Haspberry and Currant-Take two parts of raspberry to one of currant and cook in separate granite pans, as the currants need longer Add pound for pound sugar to the currants but none to the berries. When the currants have gently cooked one hour, or until the juice looks thick, add the berries which should be boiling hot, and cook for about twenty minutes, or until thick and good. Never add water to either fruit, as the raspberry juice will make enough liquid.

Red Raspberry and Cherry-Take equal parts of red raspberries and cherries and gently cook in a granite pan on the back part of the stove one hour. Add two-thirds as much sugar as fruit and slowly cook until

Gooseberry and Mulberry—Take equal parts of ripe gooseberries and mulberries and cook together until Then add three-fourths as much sugar as pulp and cook slowly until thick.

Cherry and Mulberry—Take equal parts of cherries and mulberries and cook without adding water until soft. Then add three-fourths as much sugar and cook slowly until thick.

Pear and Lemon-Allow one lemon to each three large pears. Peel and quarter the pears, though if very large cut in eighths. Cook carefully in a syrup made of half the weight of the pears in sugar and enough water to moisten. When the pears are golden in color and transparent add the lemon cut in thin slives, rejecting the ends and seeds. twenty more minutes and can.

Grape and Elderberry-Cook both berries separately, and put through a colander to get rid of seeds. The grapes should not be over ripe. Mix the pulp and add two-thirds as much sugar. Cook until thick and fine without scorching, stirring often.

Quince and Sweet Apple—Cut quinces and tough sweet apples into rather small pieeces after peeling and coring, and slowly simmer on the back of the stove until tender. Then bring forward and boil rapidly with a little more than half the bulk in sugar. They should be a beautiful red in color and almost transparent. few slices of lemon may be added if

A doctor said: "Every day of my 25 years' practice I have gone into homes where knowledge of sanitation, food and the care of children was greatly needed, but I have yet to find greatly needed, a home where Latin and higher mathematics are needed to bring better health and happiness." You know much better how to feed plants and animals than you know how to feed boys and girls. Which is of the more vital importance, boy and girl or horse and pig?

### Cherry Dumplings.

Make a good pie crust dough. Roll out and cut in squares, place a big spoonful of pitted cherries on each square, add a little flour to each, wet the edges and fold together. Drop into a kettle of boiling water. When about done, take enough sugar to sweeten the dumplings, dissolve in cherry juice; add to this one table-spoon flour rubbed smooth in water. Add this mixture to the kettle of dumplings, let boil fifteen or more minutes and serve hot or cold.

# Regular Price 25 pound sack, finest Eastern Cane sugar. \$1.50 | 1,4 oz. Can Ground Cloves. 15 | 1,4 oz. Bottle Pure Vanilla Extract. 50 | 2 pounds Special J. & M. coffee, reg. 35 grade 1.40 | 1,4 oz. Bottle Pure Vanilla Extract. 50 | 2 pounds High Grade Tea, regular 50 quality 1.00 | 1,4 oz. Bottle Pure Lemon Extract. 45 | 1,5 oz. Bottle

BEST GROCERY OFFER EVER PUBLISHED

READ EVERY WORD OF THIS WONDERFUL OFFER Chicago House Wrecking Company saves you 20 to 60 per cent on new, clean merchandise of every kind. Here is one sample of our money saving offers:

\$15.56 Worth of Fine Groceries for

Fill in this Coupon for our Grocery List. Chicago House Wrecking Co., Dept. 61 , Chicago.

Send me your grocery list regularly every 60 days.

Send For "Grocery Price Wrecker"

is issued every 60 days. Contains a complete up-to-date line of excellent quality groceries. Prices save you 20 to 60 per cent. Send coupon for our grocery "Price Wrecker," saves money on your daily needs. Our stock includes everything under the sun.

CHICAGO HOUSE WRECKING CO. 35th and Iron Sts., Chicago

# KNOW WHERE YOU'RE AT-

New Farmer's Account Book and Five-Year-Diary will Keep You Posted.

E have a small number of these Farmer's Account Books to dispose of among our readers. They were specially furnished us for this purpose.

These books are specially ruled in different colors, on fine ledger paper and are bound in leather and cloth; size 8½ inches by 14 inches. They provide for a get-at-able record of exact information. of every item or transaction of importance, on the farm, for five long years. They are conveniently indexed, and so simple in arrangement, that your boy or girl can easily keep the accounts right up-to-date.

Many farmers have been paying as high as \$5.00 for account books not so good as this one. We are giving them away in connection with subscriptions to Kansas Farmer.

# HERE'S HOW TO GET ONE, FREE

Send us \$2.00 (the regular price), at once, to renew your subscription to Kansas Farmer for Three Years. In addition to extending your subscription, we will send to you, one New Farmer's Account Book, free of any farther cost, by return mail, postpaid. Only a few can get this

great bargain. First come, first served, as long as the books last.

You have the matter in mind tow. Don't put it off. Send in by next mail, and be sure of your book. Simply cut out this ad, enclose two dollar remittance (your check is good), and mail to

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

# LIVE STOCK



Farm Beef Production.

I will give my own ideas as to the best interests of western farmers in general who are engaged in beef pro-duction. I am in no way prejudiced in favor of any breed of cattle. Every breed has some special merit over any other breed in some respect. The Galloway has a grand coat of hair and specially adapted to a cold northern climate. They are an excellent beef breed, very hardy, good feeders but not so well adapted to this climate as not so well adapted to this climate as the Shorthorn and Hereford. The Polled Angus is also an excellent breed. They get their share of the prizes in the show ring which is the final test. They are not so smooth as the Shorthorn or Hereford but they are hardy and good feeders. The Hereford is a magnificent beef breed, great rustlers, easy feeders, and very great rustlers, easy feeders, and very strong and hardy, and very popular with a majority of feeders. The Shorthorn lays over them all in size, and this point must be considered, but in hardiness is scarcely equal to the other breeds, but has no superior in the feed lot. The Shorthorn and Hereford, when dehorned, are more quiet and peaceful in the feed lot than the polled breeds, a point greatly in their favor.

The time is soon coming when greater attention will be paid to the milking qualities of the farmer's cow.

The Shorthorn is the ideal cow for

the small farmer who wants milk and a cow that will fatten easily when put in the feed lot. The breed has no competitor in this line, and not likely to have in the next five hundred years. The time is not far off when the Shorthorn will be the standard cow for the small farmers and they are destined to be mostly small farmers soon. The Shorthorn cow has a great future. In grading up a herd of common cows, a Shorthorn bull should be selected from a herd whose owner whose calf could not take all her milk for several weeks after calving. sent a sample of her milk to a creamery for test and the report was 5 per cent butter fat. I do not know it was correct, but there was no motive for misstatement. This cow was fit to be in any company. A well known Kansas breeder told me a few days ago he thought he had never seen a finer beef bull than her sire, and he has seen Master of the Grove, and has some of his produce in his herd.

I give this to show it is not necessary for the breeder to allow the milking qualities in his herd to deteriorate to get the best of beef qualities. That noble cow was of mixed breeding, strong in both Booth and Bates blood, with a sprinkling of Scotch.

If the owner of a high grade herd of Shorthorn cows wishes to get the finest beef calves possible, let him use a good Hereford bull. The calves a good Hereford bull. The calves will be the best beef cattle on earth, from the first crop, but go no further. Spay the heifers and put them in feed lot .- D. P. Norton, Morris Co., Kan.

### A. C. College Feeds Cavalry Horses Experimentally.

Commencing October 1st, the Kansas State Agricultural College, with the cooperation of the U.S. War Department, will start a nutrition experiment on the 884 cavalry horses stationed at Fort Riley, Kansas, which will no doubt be the largest and most complete experiment of its kind ever conducted in America. "The beef conducted in America. "The beef steer and his sister" have long been the subject of fattening experiments but little attention has been paid to the proper rations of the horse. Professor Kinzer, head of the animal husbandry of K. S. A. C., has for some time had this experiment planned, but was unable to put it to a test owing to the fact that he could not find a large enough bunch of horses. The horse is of such temperament that no two have dispositions exactly alike and so to get satisfactory re-

sults it is necessary to experiment on

a large number of animals. Professor Kinzer has undertaken this experiment to find what is the best and most economical ration for the maintenance of the horse. For years the army horse has been fed the same rations, consisting of 12 pounds of oats and 14 pounds of wild hay, and many of the artillery officials contend that it is impossible to improve upon it. Whether or not this is the case may be proved by the experiment, for the test will be made upon a bunch of horses having the same work, same exercise, same time of feeding, in fact all of them will be treated as nearly alike as animals can be treated by different individuals, leaving no chance for variation in results.

On October 1st the 884 cavalry horses will be divided into groups, one of which will be used as a check bunch to which will be fed the regular army ration of 12 pounds of oats and 14 pounds of wild hay. The other bunches will be placed upon the fol-lowing 18 rations for five months:

12 lbs. oats, 14 lbs. prairie hay.
12 lbs. corn, 14 lbs. prairie hay.
8 lbs. oats, 4 lbs. corn, 14 lbs. prairie 8 lbs. oats, 4 lbs. corn. 14 lbs. timothy hay.
5. 4 lbs. oats, 8 lbs. corn, 14 lbs. prairie

4 lbs. oats, 6 lbs. corn. 14 lbs. prairie 4 lbs. alfalfa meal. 4 lbs. oats, 6 lbs. corn. 12 lbs. timothy 4 lbs. alfalfa meal. 1 lbs. oats, 6 lbs. corn. 12 lbs. prairie 4 lbs. bran. 4 lbs. oats, 6 lbs. corn. 12 lbs. timothy

9. 4 lbs. cats, 6 lbs. corn, 12 lbs. cats, 6 lbs. corn, 12 lbs. prairie hay, 4 lbs. bran.
10. 4 lbs. cats, 6 lbs. corn, 12 lbs. prairie hay, 1 lb. linseed oil.
11. 12 lbs. barley, 14 lbs. prairie hay, 12. 5 lbs. corn, 2 lbs. cats, 10 lbs. alfalfa, 13. 1 lbs. corn, 2 lbs. cats, ? lbs. wild

oats hay.

14. 4 lbs. corn. 2 lbs. oats. ? lbs. barley.

15. 10 lbs. clipped oats. 1. lbs. prairie 6 lbs. corn, 12 lbs. prairie hay, 6 lbs. barley hay. 17. 6 lbs. corn, 10 lbs. prairie hay, 4 lbs. lbs. sugar.

Doctor Wilber McCampbell, a graduate of the school of Veterinary Medicine at K. S. A. C., will represent the college at the Fort and will nave supervision over the rations and the taking of data. The results obtained from this experiment will be of immeasurable value to all the owners of work horses in the state. When the experiment was proposed, Colonel Hoyle, commandant of the Artillery Post at Fort Riley, who is an enthusiastic horseman, expressed himself as highly in favor of attempting it. The plan, recommended by Colonel Hoyle, President Waters, Dean Webster and Professor Kinzer, was submitted to the War Department, where it withstood the scrutiny of the various officials and after being referred to the Department of Agriculture, was finally returned with the official approval.

While this experiment is of mammoth proportions yet it will cost the state but very little as the War De-partment will furnish all the different rations that are to be tried; a saving to the state well worthy of mention.

# ROOFING



GALVANIZED, CORRUGATED,

STANDING SEAM, Etc. Cheaper Than Shingles Will Last 30 to 40 Years

Lightning proof, fire proof, hail proof. Anyone can put it on, over old shingles or on skeleton frame. Just the thing for barns and all kinds farm build-

No painting. No other roofing of like cost has all these merits. Write for prices, catalog and samples.

This ad. will not appear next week. STEEL ROOFING AND STAMPING WORKS DES MOINES, IOWA

# PROTECT-Your Stored Crops

Lightning strikes and destroys the results of many a man's hard-earned summer's work in the twinkling of an eye.



**Professor** WestDodd's Wonderful Invention

D. & S. Woven Copper Cable Lightning Rod and System of Installation

is the only safe and reliable protection to life and property against the terrible ravages of lightning. This positive declaration and exclusive endorsement is made by the Mutual Insurance Companies of the United States and Canada (over 2000 leading companies).

YOU NEED IT

Endorsements of leading fire insurance companies (list of them in catalogue—send for it). There are allowances of 10 to 33% per cent off insurance when buildings are rodded with D. & S. Woven Copper Cable Rods.

with D. & S. Woven Copper Cable Rods.

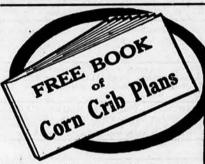
Thus The D. & S. Red Pays For Itself
And Then Begins To Save You Money.
As Your Insurance Bills Come Due.

More D. & S. Rods sold than any other
three makes combined. Insist on the trademark D. & S. It is your protection.
Send for catalogue and book, "The Laws
and Nature of Lightning," free.

Make Yourself, Your Family and Your Properly Safe.

DODD & STRUTHERS

423 Sixth Ave., Des Moines, Iowa



OU couldn't buy this book at any price. But we want to send you a copy Free. It explains and figures out the biggest money-making methods of handling and cribbing wheat, oats, barley, ear and shelled corn and other grains. On a new granary or crib it shows how to save \$100 to \$500. It contains the plans and costs of 9 different cribs and granaries. With this valuable Gift Book, we send our catalog and low price on the money-making

### "Little Giant" Portable Grain Elevator

There's no hard work when you crib your grain the "Little Giant" way. Drive load right on the wagon dump or jack, throw clutch in gear, start horse-power or engine, then rest. The grain goes up to any height and the biggest load is all stored in a few minutes. Build your cribs twice as high—save roofing, flooring and space. One man operates it. Drive up from either side. Only half the working parts of others. Power applied to elevator or to Wagon Dump Jack. Tilting Feeder—has steel bottom and is easily raised to allow wagon to drive into position for unloading. Tight bottom so grain carried back is saved. Overhead Jack furnished if desired. Send now for book of crib plans and catalog.

PORTABLE ELEVATOR MFG. CO.

135 McClum Street



When writing advertisers mention Kansas Farmer. please

SHETLAND PONIES FOR SALE—20 imported stallions and few bred mares. We have recently returned from Scotland with the finest importation of ponies even brought to Nebraska. Write for private sale catalog. CLARKE BROS., Auburn, Neb.

# Harness Shop

A \$3,000 stock of new goods will sell at cost and carriage. A good location in a busy town of 1,000. Only two shops in tewn. For particulars write

TRUMBLEY & BARRETT.

Ponca City,

L. M. PENWELL

Funeral Director and Licensed Embalmer... BII QUINCY ST. TOPEKA, KAN.

WHAT'S the use of wasting good

money windmill outfit for

the wind to down when you can just as easily, and for bout the same price

buy an outfit which its manufacturers, for a nominal fee, will insure for five years against tornadoes, cyclones, runaway teams—in fact against anything and everything except willful act or willful neglect.

### The Goodhue Windmill

is the only windmill made that is so insured, because the Goodhue is a windmill that is built right. A postal card will bring you the proof and a free book in which you will find more practical information about windmilis than can be obtained from any other source. WRITE TODAY.

APPLETON MFG. CO. 19 Fargo St., Batavia, Ill., U.S.A.

No help-shortage if you have a "Jayhawk." One boy to rake, one man on the stacker, one man on the stack. The Jayhawk" dumps where you want it, as you want it, when you want it. If you are short of sweeps you can use the "Jayhawk" as one. "It Goes to the Hay."

With The Jayhawk

you can work as well on windy days as in calm weather. It builds a rick any length, width or shape. Portable as a buggy. Works in Portable as a buggy. Works in Alfalfa, Sorghum, Clover, Kaffir Corn, Prairie Hay and Timothy. Send for our free Book today.

The F. Wyatt Mfg. Co. SALINA. KANSAS 528 N. 5th Street



\$10-00 Sweep Feed | \$14.00 Galvanized Grinder. CURRIE WIND MILL CO., Seventh St., Topeka, Kans

### **PERCHERONS** REGISTERED.

A choice lot of two-year-old fillies in matched teams; will breed them to any of my herd stallions; will sell 10 or 15-year-lings all registered and of the best blood lines. Every animal sold sound. J. W. BARNHART, Butler, Missouri,

PERCHERON HORSES, HOLSTEIN-FRIE-SIAN CATTLE,

Up-to-date Poland China hogs. Write your wants.
H. N. HOLDEMAN, Meade, Kansas.

"Do something for your hogs and you will be doing something for yourself."

Wasson's Patent Rubbing

Pest For Hogs

Will rid Hogs of Lice, Scratches and Mange, spreads the dip se the hog rubs affected parts. For description and price write

> G. J. PAGE GENERAL AGENT, COLONY, KANSAS

# Readers Market

# 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,

### HELP WANTED.

WANTED—YOUNG MAN TO LEARN blackemith and wagon repairing. R. F. Aligeirer, Home, Kansas.

WANTED—ECONOMICAL AND PARTIC-ular people to take advantage of our prices and services, Western Printing Co., Ptg. Dept. of Kansas Farmer, Topeka, Kan.

WANTED—AGENTS TO SELL OUR Western Grown Fruit Trees on commission. Send for terms. State Creek Home Nursery, Conway Springs, Kansas.

WANTED—LOCAL MEN TO TAKE OR-ders for high grade western grown nursery stock. Experience unnecessary. Outfit free. Cash weekly. National Nurseries, Law-rence, Kansas.

WANTED—GOOD RELIABLE MEN TO sell nursery stock. We have a spelndid proposition to offer. Write today, James Truitt & Sons, Nurserymen. Chanute, Kan.

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

### REAL ESTATE.

BUY OR TRADE WITH US, SEND FOR list. Bersie-Mercedies, Eldorado, Kansas.

WE CAN TRADE YOUR PROPERTY— Book of 500 exchanges free, Graham Broth-ers, Eldorado, Kansas

BUY THIS 80-60 ACRES CORN; 5 fruits; 3 vegetables; crops go. Leonard Hammond. Minneapolis, Kansas.

FOR SALE—JEWELI, AND MITCHELL county farms. Address J. H. King, Cawker City, Kansas.

FARM LOANS MADE IN ANY AMOUNT from \$500 up at lowest rates and on most favorable terms. Betser Realty & Loan Co., Columbian Bidg., Topeka, Kansas

IF LAND HUNGRY SEND FOR LIST: an improved, fertile, free fuel farm \$23,50. George Hill, Independence. Montgomery County, Kansas.

HAVE YOU A FARM OR OTHER property you want to sell or exchange? Write me, I will handle it to your satisfaction. M. Knappenberger, Keith & Perry Bldg., Kansas City, Mo.

STATE AGRICULTURAL COLLEGE—Adjacent city and suburban property for sale or rent. Write me what you want. F. G. Kimball, Real Estate Broker, Manhattan. Kansas.

200 ACRE FARM (IMFROVED) FIVE miles from a Greenwood county town, 50 acres in cultivation, balance pasture. Price \$30 per acre, mortgage \$2,000. Bersie, Eldorado, Kan.

FARMS WANTED—WE CAN TURN A quick sale for you, as we are in close touch with buyers everywhere. Let us show you how to save agents' commissions. Or if you want to buy property of any kind, anywhere, write us. American Investment Association, Minneapolis. Minn.

DON'T RENT. HOME OF YOUR OWN—160 acres, five and one-half miles Tribune, county seat of Greeley county, Kan.; smooth, unimproved, best soil, neighbors close, \$1,400, of which \$600 must be paid in cash, balance \$100 each year for 8 years, interest 6 per cent. No trades; new railroad north and south through Kansas will pass near this land. Clement L. Wilson, Box 148, Tribune. Kansas.

OREGON THE STATE WITH THE greatest opportunities. We have for sale fruit ranches, stock ranches, timber lands, and mineral lands. Let us know your wants. Splendid homes near good towns. Let us answer your questions about climate, prices of land. Rainfall in this beautiful valley 42 inches per annum, "There are tides in a man's life taken as the flood leads on to fortune." Write us now, To bault Real Estate Co., Albany, Oregon.

PURE BRED POULTRY

BUFF ORPINGTONS.

Breeding pens at half price in June. Small deposit right now secures your choice. Book tells all about them—sent for 10c.

W. H. MAXWELL, R. 5, Topeka, Kansas

REDUCED PRICES ON DUCKS.

Indian Runner Duck Eggs. Reduced price. Positively best time of the year to hatch and raise them. Get your prices and valuable book, "Indian Runner Duck Culture." Best book published.

BERRY'S FARM, Clarinda, Iowa.

LANDS WANTED.—WANT WESTERN Kansas, good, low priced, unimproved lands, for investment. We are well posted and price must make them a special object or snap. Land Investment Company, Cha-

LOCAL REPRESENTATIVE WANTED—
Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unrecessary, 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 475, Marden Bldg., Washington, D. C.

### POULTRY.

FOR SALE—A PAIR OF FINE GOLDEN Pheasants. \$15. Mrs. H. L. Betelle, 1253 Clay St., Topeka, Kan.

BLACK LANGSHANS—EGGS \$1.50 PER 15: \$7 per 100. Baby chicks, 15c each, Mra Geo, W. King, Solomon, Kansas,

POR SALE—A PAIR OF GOLDEN Pheasants, fine, quality, \$15. Also Angora cats. Mrs. Bettelle, 1253 Clav St., Topeka,

FINE BARRED ROCKS—GOOD LAY-ers, farm range, eggs, \$1 for 15 or \$1.75 for 30, or \$5 per 100. Mrs. John Yowell, Mc-Pherson, Kansas.

WHITE PLYMOUTH ROCKS—EXCLU-isvely—large birds, good layers, farm range. Eggs May 1st, \$4 per 100; \$2.50 per 50. Etta L. Willett, Lawrence, Kan., R. R. 5.

### SHEEP.

SHROPSHIRE SHEEP, SPRING RAMS of best of breeding and quality at reason-able prices for quick sale. E. P. Gifford, Beloit, Kansas.

### HORSES AND MULES.

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

### PIGEONS.

FANCY JACOBIN PIGEONS FOR SALE, \$1 per pair. Alan C, Whipple, Jaqua, Kanzas,

PIGEONS! TUMBLERS, FANTAILS, Topnots \$1 and up. Adolph Geyer, Hering-ton, Kansas.

THOROUGHBRED FANTAIL PIGEONS, yellow, white and black. \$2,25 up. Henry Bohne, Herington, Kaneas.

### SEEDS AND PLANTS.

ALFALFA SEED, TEN DOLLARS, J. H. Glenn. Wallace, Kansas.

FOR SALE—ALFALFA, MILLET, CANE, Buckwheat, Turnip and other seasonable seeds. Prices and samples on application. The Barteldes Seed Co., Lawrence, Kansas.

WANTED — NEW CROP ENGLISH Bluegrass or Meadow Fescue, Timothy, and other grass seeds. Correspond with The Barteldes Seed Co., Lawrence, Kan.

### MISCELLANEOUS.

FOR SALE—NEW HAY TEDDER, never used splendid tool for clover. Price reasonable, if taken soon, H, W, McAfee, Route 8, Topeka, Kansas.

### PATENTS.

SEND FOR FREE ROOKLETS — ALI about patents and their cost. Shepard & Campbell, 500 J. Victor Bldg., Washington. D, C.

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

### PURE BRED POULTRY

D. W. YOUNG STRAIN

of S. C. White Leghorns, prize winners at three state shows, Eggs, \$1.50 for 16; \$6 per 100, Barred Rocks, "Ringlet" strain. per 100. Barred Rocks, "Ringlet" strain. \$2 for 15 eggs. Eggs packed with care. C. H. McALLISTER, Carmen, Oklahonm.

..BARRED ROCKS, 33 prems., Clay Center and Manhattan. Summer targains. Eggs 15, \$1, 60, \$3: 100, \$4.50; chicks. 15c. Breeders and young chickens. Mrs. D. M. Gillespie, Clay Center, Kansas.

### WHITE ROCKS PLYMOUTH

(EXCLUSIVELY.)

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

THOMAS OWEN,

Station B. Topaka.

# POULTRY

Poultry at the Big Fairs.

When the time of year at which most state and county fairs are held is not the best for the exhibition of poultry. Kansas is such a great poultry state that those fairs which have offered premiums on poultry have generally been successful in securing a very satisfactory exhibit.

As mentioned elsewhere, the fair, either county or state, is a matter of personal, patriotic interest to ev-ery citizen, and while it is true that a well conducted fair returns value received for the cost of the tickets, it is also true that the citizen who be-comes an exhibitor has the added advantage of receiving all of the in-structions which can be given at a big fair as well as the satisfaction of helping toward its success by his exhibits, and of the possible compensation of prizes won. Most people are in a position to show something. The premium list of the big fair is a comprehensive thing and covers a big field. Those who wish can enter from one to an unlimited number of articles or animals, and become competitors for premiums in one or many classes.

Perhaps there is no one thing on the farm cr that is in possession of the average home owner, that is so easily exhibited as poultry. If the birds are kept as they should be they will be in condition to compete with others which may be shown, and while the season of the year is somewhat against them on account of their plumage, the judges recognize this fact and do their work accordingly. It is frequently true that an individual is possessed of a few choice birds which he has secured with the in-tention of building up his flock, and from among these he can easily se-lect an individual or pen, with which he can can compete for the premiums offered.

The poultry exhibit is of special interest to the women and children of the farm. When one realizes that even a moderate increase in quality of birds, due to an infusion of good blood, will at once create a demand for these birds and their eggs, it is a natural incentive to breed better and higher quality.

The winning of the prize, however,

is not the most valuable thing about the showing of poultry. The exhibit-or has a greater interest in the poultry show as a whole when he is represented in it by his own birds, and if he fails to win a prize a study of the birds to which the ribbons have been awarded will show him as in no other way wherein he has failed and teach him a lesson of great value and interest which may make him a winner at the next show. Winners at the state fair have a large prestige in the sale of both their birds and eggs, and if they can go into the tate poultry show in the winter with birds which have won premiums at the state fairs, their chances and prestige are greatly increased. If you have nothing else on the farm that will do to show in the state and county fairs, pick out a few of your best birds and see that they are entered on time.

### Poultry Notes.

Dry, sifted coal ashes on the floors of the coops and frequent cleaning will help to keep the young birds in a healthy state. Dry earth is equally

If you will keep the poultry house clean, and provide a proper dust bath, the hens will enjoy making their toilet and keep their bodies clean and free from vermin.

Don't let lack of room prevent you from keeping at least a dozen hens. Fresh eggs are a luxury that everyone may have and almost every family has enough waste from the table to feed a dozen fowls.

If the poultry is inclosed be sure they have some green stuff fresh ev-ery day. The garden refuse and lawn clippings will serve a good

purpose here. If these do not furnish enough cut some grass for them.

In nine cases out of ten a stunted fowl with lack of appetite and droopy appearance is feeding fine crops of

appearance is feeding line crops of lice under his wings and legs, and possibly on the top of his head.

Push the pullets every day from now on to fall. Don't let them get hungry a single time, as the more rapidly they are forced to maturity the sooner they will begin to lay.

What passes for cholera is often the result of exposure, without shade, to the intense heat. Brahmas and Cochins and all heavily feathered fowls are liable to heat pros-

Lice and overfeeding are the main troubles with fowls in summer. Hens, when they cease laying fatten very easiy, and a fat hen is a thrifty candidate for all kinds of poultry disease.

Never allow a sick fowl to drink from the same vessel as the others. The drinking water is a great source of contagion, and care should be exercised that it is in no way contam-

Trouble lurks in the watering vessels in summer unless strict cleanliness is observed and the water is frequently thrown out and replaced with fresh. Wash the vessels out once a day, empty the water at night, and it is then a good time to do the cleansing. Scald out thoroughly once a week. Attention to such details will often save much disease among the chickens.

It is the flock that receives careful care in the summer that does well in fall and winter, when eggs com-mand extra good prices. If there is any season when neglects are costly, it is in hot weather. It is at this season of the year when the little things timely observed and promptly looked after forge the chain of success in poultry keeping.

The vitality of fowls will run down just as it will in a person when extreme heat comes and it will pay to prepare for such conditions. Where there is an abundance of shade no more preparation will be necessary than to furnish a good dust bath somewhere in the shade where the hens will loiter in the heat of the

Scientists say a hen fed on wheat alone gets in a day one and one-half times as much carbonaceous foot matter as she needs for an egg, but only one-sixth as much protein as needed. This is a hard and embaras sing mathematical problem for a creature of no more sense than a hea Help belance her ration with alfalfa, clover, bone, etc.

The Kansas State Fair at Topeka, Sept. 10 to 17, is going to be a great affair and the poultry department will keep up with the balance of the exhibits. Extra good premiums are offered on poultry. First premium on pen is \$3.00; second, \$2.00; third, \$1.00. On single varieties, first premium \$1.00; second, 50 cents; third, 25 cents. There will be entry fees, everything being free. The birds will be fed and watered and cared for during the fair free of charge. At no other fair in the West is this the case. Poultrymen ought to take a great interest in this display and greatly to care in the care or whilst their play and resolve to exhibit their birds. It is the best place to exhibit one's stock that can be found as thousands of visitors will be inter-ested in the birds. It is none too early to be getting your birds in trim for the fair. The molt of the old birds should be hastened so that they may be in full feather by fair time and the young birds should be pushed for all that is out. A premium list will be sent on request by the sec-retary, H. L. Cook, Topeka, or the Supt. of Poultry, Thos. Owen, Sta. B. Topeka.



Ensilage and Silos.

BY PROF. G. L. MCKAY.

The rapid increase in price of land has brought about a condition where the farmer of today has to study economic problems in connection with his insurance the same as the manufacturer of any line of goods. Take the large manufacturer of the country, and the first consideration is the economy of production. Leakages or waste must be guarded all along the line if the business is to be a success. Success and failure are so closely allied that a slight change or neglect may cause a failure in what would otherwise be a successful business enterprise.

The dairy cow is the most economi-The dairy cow is the most economical producer of human food that we have, if fed and cared for in an intelligent manner. The milk of a cow that produces 10,000 pounds yearly, and this is possible, contains 8,710 pounds of water, 390 pounds of fat, 485 pounds of sugar, 340 pounds of protein or caseous matter and 75 pounds of ash. Therefore, it is evident that the cow must consume enordent that the cow must consume enormous quantities of succulent food to produce enconomically. The modern silo furnishes the succulent food, or brings about summer conditions in

No man who expects to keep from six cows up for a profit can afford to dairy without the use of the silo. no matter what the first cost may be. The silo is not a new invention, it has been in use a great many years, but like many other things especially in like many other things especially in this country, farmers were slow to appreciate its value. It is the same principle as that of the housewife canning fruits for the winter months. Back in 1786, Symonds wrote of Italians preserving fresh leaves for cattle in casks and pits in the ground. In 1843 Johnston, an Englishman, published an article on preserving green clover, grass, or vetches in pits, basing his statements on observations made in Germany. In England, be-tween 1860 and 1870 Samuel Jones stored tares, cut green and chopped, and fed the fermented material on an extensive scale.

Adolph Reihlen, a sugar manufacturer of Stuttgart, Germany, probably stored the first green maize in pits. He also preserved beet leaves and beets in silos, with much success. He had lived a number of years in the United States, and on his return to Germany experimented with large dent corn, the seed of which he car-ried with him frim this country. As the crop did not always mature in that climate, the green crop was pitted after the manner of the beet refuse. This work was conducted be-tween 1860 and 1870, and the results were published in the German and French papers of the time. The use of the silo was strongly urged upon the people of France and considerable attention was given to the subject. Many farmers built silos on the basis of Reihlen's experience.

Today the silo is not an experiment. Practically all of the leading dairymen of the country are using silos. The reason they are using them is because the silos are based on economic principles.

We are not suffering today in the rural districts for the want of find-ing new things as much as we are for the simple application on the farm of the things that we already know. If the silo is a good thing, and practically everyone who has given it an intelligent trial admits that it is, then the question may be asked why we do not have more silos. This is a difficult question to answer. It is the old question of putting off things until tomorrow that we should do today. The farmer will frequently say to himself, "I know that the silo is a good thing and will get one, but I have to wait a little while." Hence the waste of crop continues from year to year.

In the corn belt of the country, where corn stalks are permitted to

stand, 40 per cent of the crop is wasted. The high prices of farm products cannot always continue at their present ratio. Therefore every farmer, so to speak, should "make hay while the sun shines," or should prepare for adverse conditions. From careful investigations that have been made at several points, it has been estimated that corn ensilage, based on the present prices of other for-age plants is worth at least \$5.00 per ton. It is also generally admitted in the corn belt of the country that at least thirteen tons to the acre can

The writer has endeavored to get reliable data on the cost of putting up ensilage. Professor John Grisdale who is in charge of the experimental farm for the Dominion Government of Ottown Consular made a report at Ottawa, Canada, made a report before the parliamentary agriculturbefore the parliamentary agricultural committee. He estimated, after twenty years' experience, that the average cost of ensilage per ton would be \$1.50. This would include land rental, pay for labor involved, and everything in connection with putting ensilage in the silo.

J. A. Richardson, a prominent Iowa farmer, has written to the Wallace Farmer, as follows, on his estimate

of cost, and experience with the silo:
"I built my silo in 1908. It is 14x30 feet with a 3-foot pit, making 33 feet in height. I filled it that fall, and fed 65 head of cattle from Jan-uary 15th until grass. Last year I planted corn especially for the silo and filled it with eight acres. The silo holds 115 tons, so I got 14 3-8 tons of ensilage to the acre. If anyone can get more feed to the acre than that, I would like to hear from them. I have not found anything equal to a silo for carrying stock

through the winter cheaply.
"I will give you the cost of filling my silo this last year, including the cost of producing a ton of ensilage:

Rent of 8 acres at \$4.50 per	
acre	\$36.00
Plowing 1½ days with gang	
plow	7.00
Harrowing 4 times	
Planting.	
Seed Corn	
Cultivating 3 times	
Cultivating 5 times	5.00
	05000

Cost per ton to produce, 51 7-23

cents.	
Cutting 8 acres	.\$ 8.00
Eight men two days	. 32.00
Three teams two days Ensilage cutter and gaso-	6.00
line engine, \$10 per day	. 20.00
Gasoline, 50 gallons	. 7.50

Total. . .....\$73.50 Cost per ton in the silo, 63 21-23

"This makes a total cost of \$1.15 ton to produce the corn and put in the silo.

Professor A. L. Haecker, of Nebraska, has studied the question of putting up ensilage very carefully. He writes as follows regarding the

cost:
"I have taken results from the states of Wisconsin, Iowa, Kansas and Nebraska, and I find the variation among the different states much less than one would suppose.

COST OF GROWING SILAGE CORN.	
Rent of land per acre\$4.5	0
Plowing and harrowing 2.0	U
Seed corn	5
Planting	ō
Harrowing and cultivating 2.2	5
Total\$9.3	80

Yield, 13 tons per acre. Cost per ton, 72c. "The rent of land in some sections might be higher than here given, but this is intended as a fair average for the Mississippi Valley states.

	COS	r of	FILL	ING	THE	SILO.	
11	men	per	day.				\$22.0
7	teams	at	\$2.25				15.7
i	tractio	n el	ngine.				5.0
Ē	ngineer						2.0

Coal 2.00	
Total	5
Silage cut per day, 75 tons. Cost to put in silo, per ton, 63c. TO MACHINERY AND STORAGE.	
Cost of sile and harvesting machinery	0
COSC OI PULCULAR III DELOTITION	
. Total cost for two or more	_

farms, per ton. .....\$ 1.60 Cost of 150 tons, 1 farm, per

ton, \$2.02." In Professor Haecker's estimates he has taken into consideration the cost of all machinery necessary for filling a silo. He has also taken into consideration the depreciation on the machinery and the interest on the money invested. In Ontario, Canada, in the dairy sections, where many farmers have silos, the machin-ery necessary for filling silos is owned usually by men who own threshing machines, who go from place to place and cut and fill silos the same as threshing. This, of course, saves the farmer from buying equipment for the one farm.

In a community where two, three or more farmers put up silos, they can buy an equipment between them and thus greatly reduce the expense. Take it for granted that it costs \$1.75 per ton, and ensilage is worth \$5.00 per ton, and we get 13 tons per acre, this would leave us a net profit of \$42.25 per acre.

It has been estimated that an acre of corn put in the silo has a value of at least \$55.00 while the same standing in the field and husk has a value of \$27.00, or in other words the silo more than doubles the value of corn. This is a question which should be seriously considered by all farmers

who are not using the silo.

In feeding silage and clover hay, or alfalfa, we have practically a bal-anced ration. Experiments have been conducted at Kansas and other stations which have shown that the grain ration could be cut down one-half the usual amount where alfalfa or clover hay and ensilage were fed.

Taking up the question of silos, there are many varieties built at the present time. These include cement or concrete, hollow brick, stone, common brick, steel boiler plate, and the common stave silo.

The writer visited one township last summer in Ontario, Canada, where a contractor was building no less than 36 cement or concrete silos for different farmers.

We believe for general purposes for the West and Central West, the common stave silos will give about as good satisfaction as any other make. From general observation it make. From general observation it would seem that the common stave silo is worthy of recommendation. It combines simplicity and cheapness of construction with the requisite condition to preserve the ensilage in the very best condition for feeding. The life of a stave silo depends primarily on the wood used, and the method of construction, as well as the after care, such as frequent painting. A hundred ton silo will painting. A hundred ton silo will furnish 40 pounds of ensilage per day, per cow, for 25 cows, for a period of 200 days, which practically covers the feeding period in the sta-Ensilage makes an excellent food for cows during the hot, dry period in summer when the pastures are parched and brown. The principal advantage of a patent or bough-ten silo, which many companies are offering to the public at the present time, is that in the majority of these the staves are tongued and grooved. This has a tendency to keep the staves together when the silo is empty.

When writing advertisers please mention Kansas Farmer.

# 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 \$10 order. Cash with order. Mention paper. & CO., Abilene, Kansas



# Now The Time To Buy A

The hot weather "dog days" are at hand when you need a DE LAVAL Cream Separator most, with its great time, lab.r and quality savings over any gravity system or any other socalled separator.

Considering the season and high butter prices there never was a better time to make this most necessary and profitable of all dairy investments, with one cow or a thousand, than right NOW.

Don't foolishly put off this wise purchase that will half save its cost by autumn and fully so by another spring, in addition to the oceans of comfort and satisfaction its use brings to the whole family.

### The De Laval Separator Co.

165-167 BROADWAY
NEW YORK
42 E. MADISON STCHICAGO
MA & SAGRAMENTO STS
SAN FRANCISCO

178-177 WILLIAM ST.
MONTREAL
14 & 16 PRINCESS ST.
WINNIPEG
1016 WESTERN AVE.
SEATTLE MM & SACRAMENTO S SAN FRANCISCO



YOUNG MEN WANTED—To learn the Veterinary Profession. Catalogue sent free. Address VETERINARY COLLEGE, Grand Rapids, Mich. 6 LOUIS STREET.



YOUR COWS FROM FLIES. PROTECT



Heavy Drill, Price \$2.25 each,
Heavy Burlap, Price \$1.25 each
If your dealer does not have them,
nd to us direct. We make all kinds
covers for hav wagons, etc.
ond du Lac Awning & Tent Factory,
pept, 52, Fond du Lac, Wis.

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



# NSAS CITY VETERINARY COLLEGE

Thorough and complete course. Great Demand for Graduates as Practitioners, Teachers, Investigators, Sanitary Officers, Army Veterinarians, U. S. Inspectors, Catalog and other information sent on application, DR. S. STEWART, Secretary,

1322 East 15th Street, Kansas City, Mo.

# KANSAS AGRICULTURAL COLLEGE

Manhattan, Kan.

FALL TERM, SEPT. 21.

Graduates of the great Kansas School are meeting with marked success in

General Farming, Stock Farming, Horticulture, Poultry Farming and in

Civil, Electrical, Mechanical and Highway Engineering and in

Home making and in Teaching Domestic Science and Agriculture,

Courses reach to the common schools. Demestic Science Short Course, Sept. 21,

Farmers' Short Course, Jan. 3. Send for a Catalogue and Illustrated pamphlet. Box E. Address

PRES. H. J. WATERS.

(Correspondence Courses Offered.)

# **WANTED 1500 YOUNG PEOPLE**

500 Men Telegraphers 500 Men Bookkeeper-Stenographers

500 Lady Stenographer-Bookkeepers Satisfactory Positions Guaranteed

By the Authorized School for Banks and Railroads; largest, best equipped in the West; 1100 students annually; 18 professional teachers; 6 certificated teachers of Shorthand; Best Pen Art Department; Individual instruction; 69 bank positions filled this school year. No Agents. Union Pacific contracts for all telegraphers. Expenses Low. School for Chauffeurs added. Write for Catalog. SEE OUR ONE MONTH TRIAL OFFER. KANSAS WESLEYAN BUSINESS COLLEGE T. W. ROACH, Pres. 204 S. Santa Fo Ave. SALINA, KANSAS

# Anthony COLLEGE Authony, Kana

### THE SCHOOL FOR FARM **BOYS AND GIRLS**

Highly Endorsed by Business Men. New Building. New Equipment. Terms very low.

FALL TERM BEGINS SEPT. 1ST. WRITE FOR FREE CATALOG.



WICHITA, KAN.

Our 17 years of successful existence faculty of specialists, modern and approved methods, excellent equipment, best text books, embles us to do more for you than you can get elsewhere.

Write for Bulletin F. giving full information.



WHAT SCHOOL WILL YOU CHOOSE? Unless Bethany can offer you distinct advantages—more for your time and money than any other school in the West—your enrollment is not solicited. It will pay you to investi gate. For illustrated catalog address,

ERNST D. PIHLBLAD, Pres., Lindsborg, Kan.

### THE INDEPENDENCE BUSINESS & TRADES COLLEGE

Get your experience while in school from actual business. We have the most completely equipped Business College in the Southwest in a new modern College building. Cheapest living expenses in the State. EVERYONE of our GRADUATES filling good positions. Write today for catalog.

E. G. BETZ, President,

Independence, Kansas.

ARKANSAS CITY BUSINESS COLLEGE Bookkeeping. Shorthand, Typewriting, and TeleAND SCHOOL OF TELEGRAPHY graphy. Experienced prooms. No. 1 Santa Fe Wire in schoolroom, giving the student actual wire practice.

P. O. Box 202. ARKANSAS CITY, KAN. F. B. ADAMS, Pres.,

### MISSOURI AUCTION SCHOOL

(Largest in the World.)

(Largest in the World.)

121 students attended the January term, 1910.

August 1, 1910, is the opening date for our next four weeks' term. Additional inructors selected from America's leading Auctioneers have been engaged to instruct
d lecture during the term. No other profession paying as well can be attained at
a times the expense and time. The only school where students sell all kinds of
operty. Our Correspondence Course is greatly apprecated by those who cannot atid personally. Illustrated catalog of either course free.

M. B. CARPENTER, PRES., TRENTON, MO., OR OKLAHOMA CITY, OKLAHOMA

### CAMPBELL COLLEGE HOLTON, KANSAS

ADDRESS T. D. CRITES DEPT. F.

College year, 36 weeks. Standard instruction, convenient buildings, Co-educational. Eight departments, comprising Collegiate, Academic, Normal, Bible, Music, Art, Oratory and Commercial. Expenses low. Self-help opportunities R. R. fare refunded. Write for information and catalogue,

### HARDIN COLLEGE AND CONSERVATORY



The best endowed girls' school in the Central West. Preparatory and Junior College, Courses in Art, Elocution, Music, Domestic Science and Business. 37th year, Endowed schools give more for a dollar than the unendowed. German-American Conservatory —Arnold E. Guerne, Director; Mrs. May Beesley Adam, Voice—German Standards, Modern Equipment. For catalog address JOHN W. MILLION, A. M. L. D., Pres., 103 College Place, Mexico, Missouri.

# DIRECT FROM THE FARM

One Thousand Fifty-eight of the Twenty-three hundred students in the University of Kansas last year came from the farms of Kansas. County and Barnes' law High Schools have made it possible for the sons and daughters of the farmers of Kansas to secure full preparation for admission to this great school owned and supported by the tax-payers of the state. Now departments in University Extension, Correspondence Study, Arts and Crafts, Journalism and Domestic Science, have increased the wide range of study, 70,000 volumes in the library. For complete catalog and other information, address

THE REGISTRAR,

LAWRENCE, KAN.

# **NATIONAL BUSINESS** COLLEGE

INDEPENDENCE, KANSAS.

Commercial, Shorthand, Typewriting, and Penmanship Departments, Term opens Sept. 6, in a brand new building, the larg-est occupied by any business college west of the Mississippi. For further informa-tion address tion address.

SCHMIDT BROS., Managers, P. O. BOX 195, INDEPENDENCE, KAN.

### OSWEGO COLLEGE

Oswego, Kansas. Thos. F. Marshall, M. A. B. D., Prest. Strong Faculty.

### VOCATIONAL—CULTURAL FOR YOUNG WOMEN.

Preparatory, Seminary, College, Technical, Trains in all Fine Arts and Crafts, all Problems of Home-making, Business, Science, Teaching, Woman's Work, A small College of finest quality, Choicest influences, Homelike, Attractive, Safe Boarding School, 25th year, Terms low.

### HIGHLAND COLLEGE 64TH YEAR, OPENS SEPT. 18, 1910.

A Farmer's School for Farmer's Children. in a Farmer's Town, Rates \$160 to \$185 for whole year; board, room and tuition, College courses, Academy, Normal School, State, Accredited Grants Teachers' State Certificates, Also Music, Shorthand, Business Courses, A strong faculty, New Buildings, Write for catalog.

DR. WILLIAM C. T. ADAMS, President, HIGHLAND, KANSAS

### ST. JOSEPH VETERINARY COLLEGE

Three years graded course. New Building. Complete Equipment. Good Veterinarians in demand. Free catalog. Address
H. V. GOODE, D. V. S., Sec'y, Box W. ST. JOSEPH, MISSOURI ST. JOSEPH. MISSOURA

### IOLA BUSINESS GOLLEGE

IOLA, KANSAS.

Complete Courses in Bookkeeping, Shorthand, Typewriting and Penmanship. In session all year. Write for catalogue, and free lessions in Shorthand.

# Business College WE QUARANTEE POSITIONS

POSITIONS

And to show our good faith you need not pay us one dollar unth you have time to graduate and earn it. 2,000 graduates in banking business, Expenses low. No exams. 25 years, Ask for catalogue B. A. M. HARGIS, President, Grand Island.

### Business Colleges

Box 353 F, Hutchinson, Kansas. Largest in Kansas, Students come from fifteen states.

WICHITA TELEGRAPH SCHOOL. Young men wanted for positions on three different railroads. You can't lose out. Write for catalog and we will tell you why.

W. D. Al.VEY, Manager, 605 E. Douglas, Wichita, Kansas.

### WE PREFER To hold our students upon the merits of our school or not at all. A term's trial will convince you. Write today.

ANTHONY BUSINESS COLLEGE, Box 152, Anthony, Kansas

# SCHOOL DESKS

Best for money. Write us.
THE DE WOLF FURN. CO.,
Garnett, Dept. C, Kansas STEPHENS COLLEGE AND

# CONSERVATORY

The best College for the education of women west of the Mississippi. Send for

H. N. QUISENBERRY, Pres., Columbia, Missouri

### ST. JOSEPH COMMERCIAL COLLEGE

ST. JOSEPH, MO. a thorough business course. boarding accommodations WRITE FOR CATALOG NOW.

### Central College For Women

LEXINGTON, MISSOURI.

A short run out of Kansas City, Modern buildings on campus of forty acres, High grade worran's college. Courses leading to A. B. and A. M. degrees. Music, Art. Expression A very strong faculty. Moderate charges. Write for catalog. GEORGE MILES CIBSON, A. M., Pres

# LEARN TELEGRAPHY MONTHS



SANTA FE TELEGRAPH SCHOOL DESK F. TOPEKA, KAN.

# -LAWRENCE Edition College Lawrence, Kansas, Positions secured. Our big illustrated catalog explaining everything is FREE. Address 144 Mass. St.

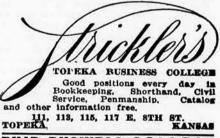
mhoria Risiness College

Clean, moral surroundings, Special course for farmer boys and girls. Write for illustrated catalog. EMPORIA, KANSAS.

CENTRAL KANSAS

Strong, efficient, thorough and ready to help you. Cata-BUSINESS logue free upon re-

COLLEGE ABILENE, KAN.



### ENID BUSINESS COLLEGE

Enid. Established 1889. Okla, Offers special inducements to teachers for summer vacations. Strong, reliable, re-sult-producing and face-to-face work. Inquire for Special P.



Learn Watchmaking! Fit yourself for a life's work that offers the best advantages. Earn from \$75 to \$200 per month, or start in business for yourself. We teach in the shortest possible time, this highly remunerative business. Best equipment for teaching watchmaking, engraving, etc. Write for further particulars, catalog, terms, etc. KANSAS CITY WATCHMAKING SCHOOL, O.W. Breyer, Pria. N. W. Cor. 8th & Walnut Streets Kansas City, Mo.

A Business and the second seco

# Kansas Land

FINE IMPROVED 166, 5 miles out, \$5,-700; terms. L. F. Thompson, Norwich, Kan.

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

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

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

### FGR REPUBLIC COUNTY.

Corn, wheat and alfalfa lands, at reasonable prices on good terms. Write or see BALL & CARTENSEN, Belleville, Kansas

### MONTGOMERY COUNTY LANDS.

Montgomery County is second in popula-tion 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 Val-ley, Saline and McPherson counties, where you can raise alfalfa, corn and wheat with profit. Write for information and list. David Bachman, Lindsborg, Kansas

David Bacuman,

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,
Walteney Kansas

MARION, MORRIS AND DICKINSON County, Kansas, lands. Barrains in improved farms at pirces ranging from \$45 to \$80 per acre. Write for big list.

T. C. COOK,

Lost Springs, Kansas

Farms and stock ranches, at low prices on good terms. Lands still sell here for less than their real value. Write me for full information.

J. F. BELT.

Longton Kareae ELK COUNTY, KANSAS.

MONTGOMERY COUNTY BARBAIN, 320 acres, 4 miles town, 130 acres in cultiva-tion, 100 meadow, balance pasture; well improved; close to school; price \$45 per a, terms. Other farms. Write for free list, J. A. Metcalf. Elk City, Kansaa

DON'T OVERLOOK THIS—Lands \$15 to \$50 acre. Prices advancing rapidly. Now's the time to buy. Corn. wheat, clover, bluegrass, timothy and all staples produce big crops. New list just off the press free, D. M. Watkins, Moline, Elk County, Kan-

CORN, WHEAT AND ALFALFA LANDS CORN, WHEAT AND ALFALFA LANDS 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. Clyde, Kansas

LIVE AGENT WANTED

in your locality to assist in selling corn, wheat and alfalfa land. We own thousands of acres in Pawnee and adjoining counties. Write us for a proposition on our own FRIZELL & ELY, Larned, 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
the school and church Witter County te school and church. Write for others. CARLISLE & DETTINGER. Meade, Kansas

SHARON COUNTY ALFALFA LANDS. Choice corn and alfalfa farms for sale in Barber county. Kansas. Crop failure un-known. Write for particulars and list, Ad-

WILLIAM PALMER,
Medicine Lodge,

CHEAP DIRT in Trego Co., Kan. S. W. 44 of 12-15-24. This is wheat land, 100 scres, smooth land, balance pasture and is guaranteed to be as represented, 10 miles to Hansom, Black soil, very productive, good locality, priced \$5 per a. under market, Changing business and must sell. Price \$16 per a., morigage \$640 at 6 per cent for 5 years. C. E. Tinklin, Corning, Kansas.

TREGO COUNTY LANDS. If you are looking for a snap, here it is, 160 acres, all in cultivation, 4 to go with it, All perfectly level, German Lutheran neighborhood, 52 miles south of Wakeeney. Price \$3,500, \$1,200 cash and balance in five equal annual payments. Write us for other bargains.

ins. KANSAS AND COLORADO LAND CO., Kansas

240 ACKES 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 per acre up.

A. T. Loomis.

### Rexford, Kansas KANSAS FARMS FOR SALE.

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

221 East Douglass, Wichita, Kansas

JUST LIKE STEALING to take this beautiful half section in Cow-ley County, only 8 miles from a good R. R. town, in a fine community, school, church town, in a fine community, school, church and stores, only ½ mile; free 'phone, rural route, 5-room house, cistern, good stable, well finest water in the state, pond, two orchards, 106 acres cultivation, bal. splendid bluestem pasture, can all be tilled but 20 a. level, upland country farm, smooth and level; soll 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 wont' keep; \$5,000 cash, balance back; talk fast; it's money for you, SHARP REALTY CO..

DO YOU WANT TO SELL YOUR FARM?

Write us, we will give you good information. Hoffman's Compiled List Report, 323 Sedgwick Block, Wichita, Kansas.

### JEWELL COUNTY

leads them all, according to Coburn, in corn, alfalfa, poultry, mules, cattle, hogs, honey. Write what you want to GREEN REALTY CO., Manhato, (County Seat), Kansas

### COWLEY COUNTY BARGAIN.

284 acres, 2½ miles of Arkansas City, 160 acres in 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, Kansas

### KIOWA COUNTY BARGAIN.

160 acres improved, 4 miles to town, 60 acres pasture, 80 acres wheat to purchaser. Price \$4,500. 610 acres hard land well improved with share of wheat at \$50 per acre. J. A. BECKETT, Greensburg, Kansas

FOR HOMESEEKER OR INVESTOR. Klova and Cavairy Creek Valleys, Co-manche County, Kansas, Alfaifa land \$20 to \$35, rapidly advancing. Great oppor-tunities for homesecker or investor. Write for our large list of bargains, mailed free and postpaid. and postpaid. PIONEER REALTY CO., Protection, Kan.

200 ACRES, 10 miles from Delphos, 40 a. pasture 160 in cultivation, 175 can be cultivated creek, plenty of fruit for family use. Good house, barn and outbuildings one of the best corn and alfaifa farms; can be bought for \$75 per acre; ½ cash, bal, 6 per cent.

Box 114, Minneapolis, Kansas

180 ACRES ½ mile from "Baker University" townsite: good rich black limestone scil; 9-room house: two barns, hog sheds, large hav barn; spiendid corn and timothy land. Well worth the money, Price \$75 Wm. M. Helliday Baldwin, Kansas

1.280 ACRE IMPROVED RANCH. 1,280 AURE IMPROVED RANCH.
7-room frame house, good barns, granarles and sheds, scale house, dipping vat,
ferced, plenty water. 350 acres in cultivation. 14 miles from county seat, 2 miles to
new town, on new railroad. A big bargain at \$25 per acre. KIRPERG & MILLER, Ness City, 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 tuy and get the advantage of the big increase in land values sure to come. Write for further information.

CASE & WILSON,

THE BEST TOWN TO LIVE IN.

IHE 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 BECRETARY OF THE COMMERCIAL CLUB Topers,

OATS CROP HALF PAY FOR LAND.
Labette county land is going up and why
not when oats crop now being harvested
will half pay for much of land for sale—
will yield from 40 to 75 bu. Other crops
best prospect or as good as in state. Write
for descriptions of fine clover and alfalfa
farms at \$50 an acre, or our fine 16c for
\$\$,000: terms, \$2,000 cash, or 160 for \$3,200,
only \$1,500 cash, or 160 for \$4,800, only
\$1,500 cash.

BONAHUE & WALLINGFORD,
Mound Valley,
Kansas

### I HAVE SOLD

my half section near Colby and now offer a fine, smooth quarter three miles from Browstei, Kan., no improvements except 40 acres under cultivation, school house across read from it. This quarter is choice and is offered for the small sum of \$2,200 cash. Another smooth quarter, 14 miles from Brewster, 55 acres under plow, sod house, good well and new windmill, and a bargain at \$2,000 cash.

These are bargains and must be sold soon. Address

soon. Address IKE W. CRUMLY. Brewster, Kansas

A FINE RANCH ON EASY TERMS.

A fine level ranch of 1.230 acres located in Sherman County, Kansas, 4 miles south of Rulcton, the first station west of Goodland on the main line of the Rock Island railroad. All tillable, new frame dwelling, 28x12 feet, five rooms, with pantry, closets, small hall and cellar, frame barn 48x32 feet, frame granary 20x40 feet, frame stable 26x32 feet, frame cattle shed with two large tanks, with abundant supply of the finest water on earth, cannot pump the well dry. Milk house, hog house, feed rack and corralis. About half cash, balance 6 years at 6 per cent. Will be sold soon, Can give possession any time. Come at once and see it and procure a bargain. Call on or address.

Goodland, Kansas A FINE RANCH ON EASY TERMS.

### Goodland. 1600 A. IMPROVED LAND.

Four mi, from Meade, nearly all smooth, wheat, corn, and all kinds of grain land. Owner has raised 50 bu. oats, 50 bu. barley, 30 bu. wheat, 35 bu. Kafir corn and 15 bu. corn per a, on said land. Alfalfa can be raised successfully by proper cultivation 1 mi. to R R station and elevator. At present the land is operated as one farm, but could be conveniently cut up into three or four farms. Titles are all good, no incumbrances, good terms can be given if desired. There is about \$6,000 worth of stock; all will go with the place if sold soon, at \$25 per a.

\$20 a., 4 mi, from county seat, 280 a. perfect and smooth, balance good pasture land. Pirce \$15 per a.

160 a., 8 mi, from Meade, 5 flowing wells, 65 a. in alfalfa, some timber, fair improvements, in the heart of the artesian valley. Price \$65 per a.

HULBURT & RLACK, Meade.

TEEGO COUNTY LAND

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

960 ACRES of bottom land, suitable for alfalfa, now producing the finest quality of wild hay. Price \$22,50 per sore. Good terms, Will sell part or all or will trade for land in eastern Kansas. BAY JACKSON, Syracuse, Kansas

520 ACRES, good smooth mow-land, 4 mi, good town; well watered and well grassed; in heart of the alfalfa, corn, clover and blue-grass belt, \$17 an acre. Terms. Other snaps. New list free. O. H. Martin & Co., Severy, Kansas.

### CHEAP.

312 a., half under cult.. 170 a. pasture, 20 a. alfalfa, 8 room house, barn for 16 horses, large mow and granary, 8 ml. from R. R. town. Price \$17,000. J. K. KOHLER, Herington, Kansas

LANE COUNTY, KANSAS

Offers bargains in wheat and alfalfa ranches at \$10 to \$20 per sore. Write for my price list and investigate at once.
WARREN V. YOUNG,

NESS COUNTY WHEAT LAND. Produces wheat, corn, alfalfa, cane, Kafir-crn, broomcorn, millet, etc. Come and be shown. Itaw land \$12.50 to \$25.00 per acre. Improved land \$12.50 per acre. Fine land, soil and water. Write for list, or come and see J. G. COLLINS, Ness City,

BOUBLE YOUR MONEY.

Buy this 735 a. farm and double your money in 2 yrs., lays 5 ml. from Kansas line in Okia., land no better on Kansas side selling for 340 to 350 per a., 2 sets of improvements and schoolhouse on farm, 150 a. in cult., bal, meadow and pasture, everlasting water, good shade, nearly all smooth, 8 ml, from R. R. town, have tel, and R. F. D. This tract just put on the market and will sell quick. You will have to hurry, \$22 per acre.

THE BOWMAN REALTY COMPANY, Coffeyville,

SHERIDAN COUNTY LANDS MY SPECIALTY. WRITE M. D. GALLOGLY, REAL ESTATE BROKER, HOXIE, KANSAS.

### GOVE COUNTY LANDS

\$8 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.

### Rooks and Graham Co. Land

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

# A GOOD RANCH

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

# MEADE COUNTY FARMS

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

### POOR MAN'S CHANCE

80 a., 2 mi, business part of town of 700 pop., almost new, 5-room house, barn, and other buildings, orchard, 70 a. tillable, dark, sandy soil, rented for gas and oil, \$1 per a, per year. Owner lives in Colorado, therefore is priced at a bargain. \$2,750 terms to suit.

B. H. DUNBAR,

### COUNTY TREGO

Lands for sale or exchange; prices \$15 to 10 per acre, also city property and stocks merchandise. If you have a good trade offer, no matter where it is located or it is write us.
ED. PORTER LAND AGENCY,
Kansas

# LAND SNAP

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

# For Exchange

\$3,500 stock of general merchandise. Owner wants to trade for land. Two-story brick and stone building, Laharpe owner wants to exchange for land. Fine 120 acres for sale. Owner will take dwelling as part pay. Write for full descriptions. We can match you on any good deal.

We can match you on any good deal.

Minsfield LAND CO.,

Kansas Ottawa.

### FOR SALE

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

IRA K. FOTHERGILL,

Real Estate and Inv..

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

### THE HOXIE REALTY

Farms, ranches and city property. Some of the best wheat, corn, alfalfa and hay land in the West. Also good business propusitions in Hoxie, For further particulars write us.

HOXIE REALTY CO.,

### Homeseekers

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

THE ALLEN COUNTY INVESTMENT CO.,

### Wheat, Corn,

Lands in Trego County. Kansas, where prices are advancing rapidly. Best opportunities in Kansas for homeseeker and investor. Write for our list, mailed free and postpaid. Live agents wanted.

D. W. KELLER LAND COMPANY,

Wakeeney.

# KINGMAN CO. LANDS

Banner Wheat and Corn County of the State. Write for Selected List. BROWN REAL ESTATE CO.

### GOOD FARM

244 acres adjoining town, highly improved. Six acres alfalfa, 5 miles fence, mostly woven wire. Further particulars

J. C. ELVIN. Harper,

# BARGAIN

160 ACRES, all tillable. % mile from Meade, Kan. House 4 rooms, barn, two wells one flowing, 110 a. in cult., 15 acres in alfalfa, belance rasture. Frice \$5,000, \$2,000 cash, bal. 3 yrs, at 5 per cent. L. F. SCHUHMACHER, Owner, Meade, Kansas,

# MISCELLANEOUS

# FOR SALE and EXCHANGE

BUY OR TRADE with us. Send for list. BERSIE-MEREDITH. Eldorado.

FOR EXCHANGE-Wild lands. city property and stocks of merchandise, for other good propositions. I escribe what you have to offer. Exchange list free, H. B. Wann, 205 Campbell, Springfield, Miscoul souri.

TO EXCHANGE FOR KANSAS FARM, TO EXCHANGE FOR KANSAS FARM, Suburban grocery stock, will invoice about \$3,00°. Will assume some on farm, Residence properties in Kansas City and 20 farms, Kansas and Missoouri, ranging from 80 to 400 acres each to exchange.

J. E. REFD REALTY CO., 628 N. Y. Life, Kansas City, Me.

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

FOR SALE AND EXCHANGE.

Kansas and Missouri farms for city propetry, 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, Missouri.

### FOR SALE OR EXCHANGE.

Alfalfa land in shallow water district of Oklahoma in 40 to 640 acre tracts. \$20 to \$65 per acre. For particulars write C. B. RHODES R. E. & INV. CO., 4400 Heist Bldg..

### FOR SALE OR EXCHANGE,

240 a. less the right-of-way of the R. R. 4 mi. Kincaid, Anderson Co., Kan., town of 500 pop. and 2 R. R., 160 a. fine valley land; 30 a. rolling upland pasture: good new 7-room house; large frame barn; out-buildings; orchard. Price \$50 per a. A snap. SEWELL LAND CO., Garnett, Kansas

FOR SALE OR EXCHANGE.

Northeastern Kansas corn, clover, and live grass farms, stocks of merchandise, etc., for other good propositions, Lands are steadily advancing in price; now is the time to invest. Write or see us.

C. W. HINNEN REALTY CO., Kanss

FOR SALE OR EXCHANGE.

Small stock of new and second hand furriture, located in a good county seat town.

R. R. division point, good business at a. barkain or would take a good quarter of western Kansas land in exchange. Also 1.400 a. ranch. about 400 acres cult., 100 a. old alfalfa. 50 acres new. and 100 acres more will be seeded this year, if not sold; houses, barn, windmills, etc. Land not cult. will afford pasture for 250 head of stock; only four miles from good shipping point in north central Kansas. Price 325 per acre; terms to suit. Will take part trade.

LEWIS & ELDRED.

LEWIS & ELDRED. Phillipsburg.

MEETING OF KANSAS GRAIN GRADING COMMISSION.

Notice is hereby given that under the provisions of Chapter 222 the board of grain grading commission will meet at the office of the Governor in Topeka, on the 25th day of July, 1910, and establish the grades of grain to be known as Kansas grades; to be in effect on and after the first day of August, 1910.

G. W. Glick: Thomas Page; J. G. Maxwell, Secretary. Grain Grading Commission.

# Kansas Land

# FARM

# A No. 1 Corn and Alfalfa Farm

of 250 acres, 180 acres in cultivation, 20 pasture, 10 in alfalfa, 6-room house, barn for 6 horses, hay mow, granary, corn crib and other buildings: fenced and cross-fenced; watered by well 20 feet deep; running water in pasture, good orchard. This farm is 2 miles from a good railroad town, Catholic church and school, 3 miles from another railroad town, 1 mile from school and only 14 miles from the packing houses of Wichita. Possession August 1, 1910. Terms to suit purchaser.

THE NELSON REAL ESTATE & IMG, COMPANY, 137 N. MAIN STREET.

WICHITA, KANSAS.

# IF YOU WANT 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, Atttention!

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 Roy O. Housel, 625 1-2 Jackson St., Topeka, Kan.

WICHITA COUNTY 160 acres choice agricultural land only 10 miles from Marienthal and 17 miles from Leoti. All smooth and tillable black soil, free from sand or stones. Sheet water at 100 feet, Good neighbors and a bargain at \$1,200. Further particulars on application.

ALBERT E. KING,

McPHERSON, KAN.

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

ELLIS AND TREGO COUNTY LANDS at the lowest prices, on the best terms. Write for list, sent free.

C. F. SCHEPMANN. Ellis. Kansa

1120 ACRE COMBINATION RANCH. 25 head herses and colts, above average, and one registered Percheron stallion. Write for particulars. 80 acres first-class alfalfa land in famous Artesian Valley at a great bargain. WM. MILLER, Meade, Kansas

### OTTAWA COUNTY BARGAINS.

160 acres, 3 miles town, 110 cultivation, balance pasture, 4-room house, barn, 65 acres wheat, all goes wth possession, \$6,509. Easy terms. New list free.

J. S. BOYLE.

Bennington, Kansas

FREE

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

S. C. ALLEN. Herndon, Kansas

WHAT CASH WILL DO FOR 80 DAYS. Buy 280 a. good Kiowa Co. sandy land at \$30. 160 a. 2½ miles of Co. seat, \$500. 640 a., well improved, 3 miles Co. seat, \$50. Cther bargains.

H. M. DAVIS REALTY CO., Greensborg,

ASK WIIY LAND IN SHERMAN CO... KANSAS

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

AND FREE WATER RIGHTS IN NORTHWESTERN COLORADO

NORTHWESTERN COLORADO
Write to-day for map and booklet telling
how to gat 160 or 320 acres of government
land. Deep, Rich Soil in River Valley.
Land and irrigation water absolutely
free. Railroad now being built through
a million acres of free land. Fine crops
of grain and vegetables; good local market. Best grass country in the west. We
have no land and no water rights to sell.
They are free. W. F. JONES,

Gen. Traf. Mgr., D. N. W. & P. Ry.
Room 708 Majestic Bidg. Denver, Celo.

### COLORADO FRUIT LANDS

That pay big interest on the capital invested. Reasonable prices and terms. Write for full information, stating what you want.

PAUL WILSON, Hotchkiss.

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

FAMOUS Grand River Valley lands pay big interest on capital invested. Prices ad-vancing rapidly; now is the time to buy. Write for large, 60-page, descriptive pam-phlet, mailed free upon request.

\$ FOR \$ REALTY CO.. Colorado

MONTEZUMA VALLEY—Land of red soil; produces all crops; fruit, hay, wheat, cats, barley, potatoes. Frices \$30 to \$100 per acre and advancing rapidly. Now is the accepted true. Literature free, describing this beautiful valley. Closson & Huff, Cortez, Colorado.

IANDS! LANDS!

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

LA PLATA COUNTY irrigated lands \$25 an acre and upward; in new country, about to be tapped by another railroad—the C. & S. Fruit, vegetables and all staples produce big crops. Price lists and large pamphlet free, BOYLE REALTY CO., Durango, Colorado

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

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

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

McCRACKEN LAND CO.,
Burlington,

Colorado

KII CARSON COUNTY, COLORADO.

Corn, wheat and alfalfa lands, at \$10 to \$25 pe racre, 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. you wa cality.

Burlington, A. W. WINEGAR, Colorado

LOOK! to what we have to say in regard of our business. We have a large list of the best lands in Mergan County. Should you desire a good irrigated farm, good dry land or 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 LISTEN!

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

Stratton, Colorado IMPORTANT MESSAGE TO CATTLEMEN. IMI'ORTANT MESSAGE TO CATTLEMEN, 250 head Hereford and Shorthorn cattle, cows, 2-year-olds, yearlings and calves with 150 acres deeded land. Improved and lease on three sections, Flenty water, about 8 miles of fence, Plenty good range, Located about 15 miles railroad town, Can be bought at very low price if taken at once, I. H. SHELTON, Ordway, Colorade

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

VINCENT & WOODS, Colorado

Cortez. BARGAINS IN IRRIGATED LANDS BARGAINS IN IRRIGATED LANDS in the famous San Luis Valley. Good water rights go with the lands, 320 a., 4 ml, from Alamosa. Good improvements, grain, alfalfa and hay. Two good artesian wells, Fine farm. Price \$50 per a., 220 a. improved. Close to school. Fine soil, grows grain, alfalfa and potatoes. Great bargain at \$35 per a. 160 a. improved. Hay, grain and pasture, near school. \$35 per a., 320 a. partry improved, all fenced, rich soil. Splendid snap at \$25 per a. For further description write scription write BUTLER & HINES. Alamosa, 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 low lands at prices far telow all others and on terms to suit all purchasers. Monthly payments if desired. 160 and 320 acre relinquishments adjoining lands offered for sale. Best of wheat, oats, cane, corn, potatoes and alfalfa lands, I refund railroad fare and hotel bills to these 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, Colorado

### EASTERN COLORADO

Farm lands near the new and rapidly growing town of Brandon for \$10 to \$15 per acre. Great opportunities for homeseeker and investor. Write for full information. C. D. BLANCHARD. Brandon, Colo.

### GRAND RIVER VALLEY

The famous fruit district of the United States. Fruit lands will pay an average of 20 per cent on the capital invested. Write for free descriptive booklet.

R. H. BANCROFT & CO., Palisade, Colo.

### 320 Acre Homesteads

There are only a few left so you must act quickly. Also cheap deeded lands, including both stock ranches and farm lands and homestead relinquishments for \$150 and upwards. Write for descriptive circular, malied free upon request.

G. W. FRANK,

Arlington, Colorado

### EASTERN COLORADO LANDS

\$12 to \$25 per acre; about 1-3 cash, balance to suit purchaser. Also homestead relinquishments for sale cheap.

A. TERWILLIGER, Prop.,
Byers Hotel, Byers, Colorado

### SAN LUIS VALLEY

Lands where big crops of potatoes, alfalfa, peas, etc., grow to perfection. Reasonable prices; good terms. Write for illustrated literature mailed free.
W. P. FISHER COMPANY,
Le Jara, Colorado

### FREE

Illustrated descriptive pamphlet and booklets telling all about Eastern Colorado; choice land at \$10 to \$20 per acre.

KENNEDY LAND CO.,
Colorado

### I. L. DARBY THE PIONEER LAND MAN

Government and Deeded Lands and Town Property, 320 acre Homestead. Snaps in relinquishments. Write for new illustrated folder, mailed free. GROVER, COLORADO

EDUCATE As to irrigated lands and prices of water. MonteYOURSELF SELL QUICKLY to the SELL QUICKLY to the MAN WHO KNOWS. WRITE HARRY V. PLYE, the Guide, for information concerning the cheapest irrigated system in the Middle West. DOLORES, the GATEWAY. Dolores, Colo.

### GRAND RIVER VALLEY

The famous orchard district of the western slope of Colorado, orchard tracts in any size to suit purchaser at various prices. Bearing orchards often pay \$500 an acre net profit per annum. Write for full information.

E. A. LOOMIS.

Fruita, Colorade

### HOTCHKISS, COLO.

In the best fruit section of the Western Slope. Good fruit land, with water right; can still be bought for \$100 to \$150 per acre. Values will undoubtedly double and treble scon. Send your name for large illustrated pamphlet mailed free.

O. F. DICKSON & CO., Hotchkiss, Colorado

### PAONIA, COLORADO

In the best fruit section of the Western Slope. Fruit land pays 20 per cent per annum on the capital invested. Frices still reasonable, but advancing rapidly. Write for free illustrated folder, containing much interesting information. C. C. HAWKINS. Paonia, Colorado

# THE STRAY LIST

Washington Co.—J. A. Maxwell, Co. Clerk. HOGS—Taken up on the premises of Henderson Long in Mill Croek township about February 15, 1910, 2 black barrows unmarked. averaging about 100 pounds in weight and valued at \$17.

To whom it may concern:

This will notify you that Mads Sorrenson, a citizen and house-holder of Elm Creek Township, Morris County, Kansas, did, on the 11th day of May, take up the following described stock, on his above described premises, as strays.

Four yearling white-face helfers, one of them bob tailed, and one of them has its right ear frozen partly off; and one white face yearling bull, with a red streak across his face; the cash value of the above stock is estimated to be \$60.

GEO. J. PARKER,

County Clerk, Morris County, Kan,

### Saffarrans' Jersey Sattle.

Saffarrans' Jersey Sattle.

This week's Kansas Farmer contains the announcement on Mr. Geo. V. Saffarrans of Palmyra. Mo., one of the best known Jersey cattle breeders in the middle west. Mr. Saffarrans has at the head of his herd the hull, Blue Bell's Owl 79641, a full of great merit beth as a show animal and a breeder. Mr. Saffarrans offers for sale 30 cows in milk, It yearling holfers stred by Emminent Rosette. a half brother to the noted Financial Countess 2d, 15 holfer calves and 10 choice young bulls. Write Mr. Saffarrans at once and mention Kansas Farmer.

# Colorado Land

# EVERY DAY UNION PACIFIC EXCURSIONS

Round trip from Kansas City, or any river point for \$17.50 to Denver, Colorado Sprin~s and Pueblo, good until Sept. 30th, with privilege of stopping off at Kit Carson, Colo., to inspect our lands. Write for our land folder.

Kit Carson Company

Kit Carson, Colorado

PAONIA, COLORADO

Would you buy 240 acres of undeveloped fruit land if you knew it would make you 100 per cent profit in three years? We have such a thing only 1½ miles from town. We want an opportunity to prove it to you. Full details on application. CLINE & HUFTY. NE & HUFTY,
No. 284, Second Street
Reference—Fruit Exchange State Bank, corner Third and Grand.

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

HOMESTEAD RELINQUISHMENTS And cheap deeded lands, Klowa county, is still cheap, but is bound to develop sev-eral times in the next few years. Write for further information. further information.
LINN & CHERMAK, Haswell, Colorado

EASTERN COLORADO lands \$10 an acro and up. Liv eagents wanted. Write for our descriptive literature and county map, HAYNES LAND CO.

SAN LUIS VALLEY.

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

YUMA COUNTY, COLO.

Lands that raise big crops of all staples.

\$10 to \$15 per acre. Great opportunities for homeseeker and investor. I own a few quarters which I will sell cheap.

A. L. KISSINGER, U. S. Commissioner, Yuma.

Calcaga.

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

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

LIST OF LANDS for sale at \$5 per acre, and up, free. \$20 acre homesteads located. Relinquishments for sale. R. A. Shook, Akron, Colorsdo. \$7 to \$15 per a, on Liberal Terms, Home-

stead relinquishments \$100 to \$800 each. Where rainfall is plentiful and prices are rapidly advancing. Write for full information stating what you want. Maher & Hanks, Deer Trail, Colorado. 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

rkets. Write or see
WILD HORSE LAND CO..
Colorado Wild Horse,

ARE YOU MAKING MONEY? 95 per cent of the San Luis Valley farmers are getting rich. Why? Because they are producing the finest pork and mutton in the world at lowest possible cost. Our free illustrated folder tells how. Write for one. C. W. FOSTER, Monte Vista, Colo.

KIOWA COUNTY, COLORADO.

Corn, wheat and alfalfa lands \$8 to \$15.

Homestead relinquishments \$250 up. Folder and copy of the Homestead laws sent free. A few 160 acre homestead tracts under prospective irrigation yet. THE WESTERN pective irrigation yet. THE REALTY CO., Eads, Colorado.

# TEXAS LAND

LOWER PECOS VALLEY IRRIGATED LANDS Pay 50 to 200 Per Cent Net Annual Income in Alfalfa and Fruits.

We are the Owners' Exclusive Selling Agents for Arno or Zimerman lands sold in its from 10 acres and upwards including perpetual paid-up water rights and pro-tionate ownership of the irrigated system. These lands will pay 100 per cent an-

income.
We also have a number of section tracts of artesian land in the valley, back of the also have a number of section tracts of artesian land in the valley, back of the also have a number of section \$6 to \$8 per acre on easy terms.

Ask for Arno or Zimerman descriptive felders. Address

E HEATH COMPANY, 109 W. 7th St., Topeka, Kan.

THE HEATH COMPANY,

GOOD RANCH.

3,868 acre ranch improved, \$5 an acre, Robertson Co., 7 miles county seat. Adjching land couldn't be had for twice our price. Would sell part or all. All fine grass and much first class farm land. Detailed description and plat free.

C. A. BABCOCK,

Harper, Kansas

Dalhart, Texas is where we are located and we have some land bargains for the buyer. Write for our free, handscmely illustrated book or come to Dalhart and let us show you a country

without a fault.

J. N. JOHNSON LAND COMPANY,
Texas

# Oklahoma Land

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

MAJOR COUNTY corn, wheat and alfalfa lands. Lowest prices Best terms. Information free. J. Nile Godfrey, Fairview, Oklahoma.

WRITE L. R. KERSHAW,

Muskogee, Oklahoma, for free information about Eastern Oklahoma farnis,

FOR FREE information about Eastern Oklahoma alfalfa farms write Atwood & Zenner, 106 N. Second Street, Muskogee,

CALIDO COUNTY FARMS.

Best in Oklahoma for homes or investment. Your address on postal card will bring descriptive list and literature.

BALDWIN & GIBBS CO.,
Anadarko. Oklahoma

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

EASTERN OKI.AHOMA
Improved farm. 160 acres, good, new house, half section of unimproved land. Very fine. Several other good bargains. Write me if you want to know about Eastern Oklahoma, T. C. BOWLING, Owner, Pryor Creek, Oklahoma.

WASHITA VALLEY LANDS.
From \$10 to \$60 per acre offer great opportunities for investment. They are well located near railroads, towns, churches and schools. Write for further information.

JOSEPH F. LOCKE LAND & LOAN CO., Wynnewood, Oklahoma.

"Hough Sells The Earth"

in Caddo county, fertile, rich, cheap. Send 10 cents in stamps for handsome colored county map of Oklahoma, circulars and list, Letters answered in German or English, W. R. HOUGH, Apache, Oklahoma

CADDO COUNTY, OKLAHOMA, corn, wheat, cotton, and alfalfa lands \$20 to \$75 per acre, according to improvements and distance from towns. Lands are advancing rapidly. Now is the time to buy. Write for full information.

J. ELZIA JOHNSON, Hinton, Oklahoma

IMPROVED FARMS.

180 acres, 140 in cultivation, good 9-room house, barn 45x65, tool shed, and granary, 40x40, orchard, telephone, R. F. D., near school, four miles county seat. Price \$9,-000 Welts Vinita, Oklahoma

J. T. RAGAN,

ACRES 160

line land. 100 acres in cultivation. 6½ miles from railroad. Price \$4,000. Terms on part.
THE FIRST LOAN & MORTGAGE CO.,
Oklahoma

A BARGAIN.

320 a. 7 miles of county seat, 34 miles of R. R. town, 1½ miles to school, 160 acres deeded, 160 a. school lend, 4 miles of 4-wire fence, 12 a. alfalfa, fine large orchard, 7-room house, summer kitchen of 2 rooms, 2 barns 40x56 and 40x44, large granary. 2 wells and mills, 2 hen houses, 8x28, all the crop as follows, Kafir corn, good soil, 45 a. pasture. Price for 30 days, \$11,000.

BATTEN REALTY COMPANY, Medford,

FOR QUICK TRADE—80 a, farm in Pike Co., Ark., 40 a, in cultivation, small house, large shed, good well of water running stream of water, some good timber, all under fence. Price \$2.000, Want good stock, mares, cows and some good hogs. Will give good prices for stock if the right kind. Land clear. Reasons for trading. I have 2 farms and want to trade one for stock to place on the other one. Box 315, Claremore, Oklahams.

EASTERN OKLAHOMA

EASTERN OKLAHOMA.

200 acres. 7 miles from Muskogee. 2
miles of railread town. all good vallev
land. living creek water. 20 acres cultivated. balance mesdow. sil fenced. In white
settlement. on main road. close to church
and school. Price \$30 ner acre.

Many other farms, improved and mimteroved at \$25 to \$35 ner acre.

Muskogee.

Muskogee.

A. FEW BARGATES NEAR WAGONER, OKLA.

20f acres 5 miles from town, good new 5-room bouse and born 60×80, all tillable price \$38 per acre, 46 acres 36 mile from Wagoner. All smooth, fine land, every certillable. Price \$37.50 nor acre. Write W. H. JAWRENCE.

The Land Mau.

Wagoner, Oklahoma.

OKLAHOMA FARMS.

300 acres 314 miles north of good town, 130 acres in cultivation. All A No. 1 bottom land, fenced, perfect title, Price \$25 per acre. Terms. Lots of other bargains, BETTES LAND & INVESTMENT CO., Muskogee.

A 160 ACRE FARM

near a town like Thomas, Okla., is a sure thing. Write for particulars. Don't fall to see our land before buying elsewhere, GRANT INVESTMENT COMPANY, Thomas, Oklahoma

Eastern Oklahema

FARMS FOR SALE. We own and control over fifty thousand acres of choice farm lands, located in the most fertile and beautiful counties in Eastern Oklahoma, namely: Craig, Mayes, Nowata and Rogers, the "Gazden Spot" of the new State, that will produce successfully corn, wheat, cats, timothy, clover and alfalfa. Low prices. Easy payments. Perfect titles, Greatest opportunity ever offered the farmer of small means to procure a home in the rain and corn belt. Agents Wanted, Write ALLEN, HART & CO., Suite 308, Commerce Bidg., Kansas City, Missouri.

Oklahoma Land

where corn, wheat, alfalfa, and cotton are making the farmers rich. We specialise on Oklahoma, Cleveland, Loxan and Washita counties, Fine alfalfa lands \$30 and upwards. Write for list and printed matter, mailed free. We also lead all in Oklahoma City property

FARM & HOME INV. CO.,
Culbertson Bidg., Oklahoma City, Okla,

### MISSOURI LAND

IMPROVED corn, clover and blue grass farms 40 miles south Kansas City, \$50 to \$75 per acre. Jot M. Wilson & Son. Har-risonville, Missouri,

MISSOURI FARY LANDS—No better grain and stock land anywhere; good values: fine schools, fine climate, List and prices free. Fulton Real Estate Agency, Fulton, Mo.

IF YOU WANT TO BUY a good farm in southwest Missouri or city property in Springfield, Mo., write A. B. Crawford, Springfield Missouri.

FOR SALE—Central Missouri farms; send for list, 200 farms in Callaway Co., Mo., with full description and price for each; in Missouri's best grain and blue grass county. Koontz & Palmer, Fulton, Mo.

FREE—List of timber and farm lands. Phelps Co., Mo., at \$3 to \$40 per acre. Send your name today. W. M. Brown, St. James, Missouri.

FREE—Interesting folder and list just off the press, describing the healthful Ozark country, and farms from \$10 up. C W. Rice, Cuba, Missouri

OZARK FARMS, some well improved, \$3 to \$30 per acre. Timber lands, \$5 to \$10. Write for price list, McDonald & Son, Richland, Missouri.

IMPROVED FARMS, Central Missouri, \$10 to \$25 a.; easy terms; mild healthful climate, farm, fruit, grazing lands, Circu-lars free. G. R. Bakeman, Richland, Mo.

IF YOU WANT A HOME in the Ozarks. Where the water is pure, write for my free list. Low prices. G. W. Peck, Dixon, Missouri.

5,000 ACRES cheap farm land, tracts to suit; Green County: part improved, balance good timber: good soil and water; \$10 per acre upward: liberal terms; descriptive literature free. Ozark Land Co., 305½ Boonville, Springfield, Missour).

SOUTHEAST MISSOURI LANDS. We have 10,000 acres, improved and un-improved lands, \$2 per acre and up. Easy terms. Write

DE SOTO LAND COMPANY,
Missouri IN THE OZARKS

Dairy truck, poultry and fruit lands, \$5 to \$50 accordingly, on terms to suit. I cwn over 10,000 acres and can give you what you want. Large illustrated folder, list and maps free.

P. H. RUCKER, Rolla, Missouri

WHEN CORN IS LAID BY.
Come to Callaway. County. Mo., great
corn, wheat, oats, bluegrass, timothy and
clover section: making it greatest combined stock and grain region of corn belt.
Write for free catalog "A"
W. ED JAMESON. Fulton, Missouri

DID YOU GO TOO FAR?

Do you want to have a clover, bluegrass and timothy farm again? If so, write us, we sell well improved Johnson county farms for \$40 up. Write for our list, mailed free and postpaid.

LEETON LAND COMPANY,
Leeton, Missouri

WEBSTER CO., MO. farm .ands, \$20 up. Prices advancing rapidly. Now is the time to buy. Our land list gives prices and descriptions. Free list with map if desired. R. S. Phillips & Co., Marshfield, Missouri.

880 ACRES FINE TIMBER LAND. 880 ACRES FINE TIMBER LAND.
Abundant living spring makes ideal ranch;
if cleared would be good agricultural, farms
adjoining all sides can not be bought for
\$5° per acre; no incumbrance, will take some
trade. J. H. McQUARRY BEALTY CO.,
120 Commerce Bidg., Kansas City, Mo.

THREE HIGH CLASS improved Northwest Missouri farms for sale, corn, clover and blue grass land: Your Choice \$75 per acre. Write for particulars, Baxel J. Meek, Owner, P. O. Bex 307, Chillicothe, Missouri.

MISSOURI FARMS.

For sale or exchange, in Morgan county, where corn, clover and bluegrass grow to perfection. Frices from \$10 to \$65 per acre, on liberal terms. Write for county map and list, both free.

CREWSON & HARRISON, Versaliles, Mo.

COME TO THE OZARKS. COME TO THE OZARKS.

Cheap homes: easy payments: lovely climate; no crop failures; no cyclones; mild winters; close to wood markets, St. Louis and Kansas City; for health, wealth, clover, timethy, blue grass, timber, fine fruits; beautiful streams; fine fishing and hunting. If you want to see the cheapest and best farms you ever saw priced in your life for the money, write for our list and he shown.

A. D. ROBERTS & SON, Richland, Missouri.

### ARKANSAS LAND

BENTON COUNTY ARKANSAS, 20 years experience. Write us about fruit for C. R. Craig & Co., Bentonville, Ark.

WHY NOT ASK US about well improved fruit farms. We may have just what you want. Write J. F. Mason & Co., Spring-dale, Ark.

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

BENTON COUNTY SNAP.

30 acres 2 miles north of Rogers, 10 a, bearing Eliberta peach trees, 15 a. 7-year-old apple trees, 3 a. timber. Price \$1,500, if taken at o.ce. Writs
BENTON CO. REALTY CO., Rogers, Ark.

N. W. ARKANSAS BARGAIN,
80 acres, 2 miles from Gravette, good 5rcom hcuse, R. F. D., telephone, good barn,
well, 30 acres of bearing apples, Price \$3,500, half cash, balance easy terms. Write
AUSTIN & DKENNEN,
Arkansas

Government lands free, 1,000,000 in Arkansas for homesteading, where located and few secured shown in our 1910 booklet, sent postpaid for 25 cents.

H. GLASS & CO.,

ARKANSAS LANDS.

I have timber and fruit lands in the "Ozark Region" at from \$5 to \$7.50 per a., in any sized tracts desired from 160 to 20,000 acres.

JOHN A. BUNCH,

Harrison.

FINE FRUIT LAND. 40 acres, smooth, 3 miles from Rogers, new 4-rocm house, R. F. D. and telephone line. rew barn and well 10 acres Fiberta peaches, 800 old apple trees. Price \$2.600, half cash. balance easy terms. Write H. J. MILLER, Rogers, Arkansas

one mile of Fayettaville County Seat, population. 8,000. New 6-room house, good barn, 80 acres cultivation, good water. Erice \$55 per acre. Easy terms. Write the owner. J. C. MITCHELL, Payetteville, Arkansas.

### WYOMING LANDS

FOR SALE—4400 acre stock ranch 25 miles south of Laramie, Wyo., 1000 acres of water rights. Splendid free range, \$15,000 worth of improvements. \$7 per acre. Terms. The Western Irrigated Lands Co., Laramie, Wyoming.

FREE—320 ACRE HOMESTEADS—Millions of acres, fertile lands, valuable information, laws, maps showing how and where to locate sont for 25 cents, mailing cost. Western Land Co., K 404. Cheyenne, Wyo.

### OWA COLONY

\$15 lands near Cheyenne, grows crops equal to \$100 lands anywhere. Don't drown out or dry out—have rai nenough. Finest climate and water. Maps free. HARTUNG LAND COMPANY.

1200 ACRES IMPROVED IRRIGATED land 30 miles from Laramie, on R. R. Growing hay, oats and alfalfa, 1,000 acres state leased land fenced. Lease assigned to purchaser free. Splendid free range adjoining. Valuable improvements, \$20 per acre. Terms. The Western Irrigated Lands Co., Laramie, Wyoming.

### NEBRASKA LAND

### FREE LIST

of Nebraska land in Chase, Dundy and Per-kins counties, ranging in price from \$6 to \$35 per acre. No crop failures since 1895. Your name and address on a postal card IMPERIAL LAND CO., Imperal, Neb.

ILRIGATED HOMESTEADS.

NEBRASKA, Colorado and Kansas lands, well located in Dundy County, Neb., Yuma County, Colo., and Cheyenne County, Kan. \$10 to \$25 per acre for good, smooth land. Some \$40 acre relinquishments yet. 

Land Bargains

IARIGATED 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 \$5,500, according to improvements. Deeded lands \$75 to \$100 per acre. Free rural mail delivery, telephone and all modern farm conveniences. These lands in splendid settlement of fine homes near town. For particulars write or see CARPENTER, PLUMMER & MURPHY, Merrill.

### LANDS AND RANCHES FOR SALE

120 acres, one mile from town, all bottom land, no overflow, alfalfa land, Good improvements. Send for proto.

M. W. M. SWAN,

Haigler,

### AUCTIONEERS

### GARNETT. C. E. BEAN,



Live Stock, especially Horses, Cattle and Big Type Poland China and Chester White Swine, I am also breeder of the big type Poland Chinas. Write me before claiming a date.



### LAFE BURGER LIVE STOCK AUCTIONEER.

Write or wire me for date. WELLINGTON, KAN.

### JOHN D. SNYDER

Auctioneer,
Winfield, Kansas.
I sell for many of the most successful

LEARN AUCTIONEERING AND BE IN-DEL'ENDENT.

Sur mer term Jones Nat'l School opens July 25 (Five weeks) no age limit. Catalor, will interest you. Address CAREY W. JCNES, Pres., 2856 Washington Byld., Chi-cago, Ill.

JAMES T. McCULLOCH,

Clay Center, Kan.
Makes public sales anywhere. Pure bred sales a specialty. Better equipped than ever before to give patrons good service. Reasonable charges for first class service.

### THOMAS DARCEY

OFFERLE, KAN.

Live stock auctioneer, eighteen years' ex-perience. Satisfaction guaranteed. Breeder Poland China hogs Wire or write me for Gates.

L. E. FIFE LIVE STOCK AUCTIONEER, Newton, Kaneas. Breeder of Fercherons, Shorthorns and Duroc Jersey hogs; posted in pedigrees; terms reasonable. Write or wire for date.

### W. C. CURPHEY

LIVE STOCK AUCTIONEER. Write, 'phone or wire me for dates. Kansas

### COL ESSIE CRAVEN

LIVE STOCK AUCTIONEER.
Twenty Years Selling All Breeds. NORTH BRANCH, KAN.

COL. JOHN BRENNAN

Live stock sales a specialty. Sales cried anywhere. Address at Esbon, Kansas COL. FRANK REGAN

# of Esbon, Kansas, will cry your next sale and give you satisfaction. Write for dates. RED POLLED CATTLE

CHOICE RED POLLED CATTLE. Herd the oldest in Marshall county. The

liest in breeding and individuality. Stock for sale at all times. Frankfort, Kan.

### ANGUS CATTLE

# 80 Angus Bulls

Herd Headers and Range Bulls. Many

of them by Champion Ito. SUTTON FARMS, Lawrence Kan. 500 HEAD IN HERD.

### AMBS LAMBS

5000 March lambs ready to deliver in September. Average 65 pounds. Clean, healthy stuff. Priced right. Address

PHOENIX, ARIZ.

### SHORTHORN CATTLE

# 10-SCOTCH BULLS-10

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

Florence, Kansas

### SHORTHORNS

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

### 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 bettor breeding could be wished. Can spare a few females. Prices moderate.

E. S. MYERS. Chanute, Kansas

FOR SALE.

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

STEWART & DOWNS, Hutchinson,

# Center Grove Stock Farm

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, Route 6, Chanute, Kansas

### 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, Kansas Humbeldt.

SHORTHORNS AND POLANDS.

We have sold Scottish Archer and will now offer a few choice heifers, S. B. AMCOATS,

Clay Center,

Kansas.

### JERSEY CATTLE

### JERSEYDALE STOCK IMPORTED JERSEY CATTLE.

We offer for sale the Imp. bull Noble of Trinity 86301, dropped March 31, 1908; a show bull from the tip of his horns to point of his tail, a great individual in every respect, with breeding surpassed by none. His dam is the great cow Victress 2nd 9769 H. C. Sire is the great bull Noble of Oakland's P. 3909 H. C. His color is rich golden fawn, good size, good bone. We also offer some high class Imp. heifers which are bred to the kings of the breed. We solicit correspondence from parties wanting high class Jerseys.

PHIL HANNUM, Jr., Carthage, Mo.

Carthage, Mo. PHIL HANNUM, Jr.,

# LINSCOTT JERSEYS

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

R. J. LINSCOTT, Kansas Holton.

MARION FARM JERSEYS,
Headed by Blue Bell's Owl 79641.
For sale—30 cows in milk, 10 excellent yearling heifers, daughters of Eminent Rosette, 15 heifer calves and 10 choice bull calves, Special prices on the bull and heifer calves. Inspection invited.

GEO. V. SAFFARRANS. Missouri.

I have ready for service a few grand-sons of Merry Maiden's Third Son, Fin-ancial Count, Eurybia's Son and Fon-tains' Eminent, Prices and extended pedigrees upon application. These bulls will make excellent dairy sires and are fit to head any herd registered in A. J. C. C.

W. N. BANKS, Independence, Kansa

HOLSTEIN CATTLE

### HOLSTEIN CATTLE

SUNFLOWER HERD SIANS HOLSTEIN-FRIE-

Those desiring a HIGH testing A. R. O. sire to head herd should get prices and descriptions on my KING WALKER service bulls. The three nearest dams on all these bulls average from 25 nounds to 29 pounds butter 7 days. Oskaloosa.

Kansas.

# ROCK BROOK HERD

Offers bargains in a carload of cows and helfers and a few bulls 3 to 16 months old. All tuberculin tested. ROCK BROOK FARM,

Nebraska. Sto B. Omaha.

### POLLED DURHAM CATTLE

BELVEDERE X2712-195058.

Son of the \$1,500 Grand Victor X1635
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, 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. THLEY. Irving, Kansas

### BERKSHIRES

STALWART DUKE 117874.

Heads cur Berkshires, he formerly headed the Kansas Agricultural herd, his sire was Silvertips Revelaton by Revelation. His dam was Hood Farm Duchess 18th 93300, Choice lot of spring pigs for sale. J. M. Nielson, Marysville, Kansas.

### OHIO IMPROVED CHESTERS

### MOSSE OF KANSAS

Breeder of O. I. C. Swine. "The hest spring pigs in Kansas."

ARTHUR MOSSE, Leavenworth,

MISSOURI VALLEY HERD.

Pure bred Ohio Improved Chester White swine. Few Sept. gilts for sale either bred or open. Booking orders for early spring pigs. Satisfaction guaranteed.

Pholos City Missouri

Phelps City.

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. Prices reasonable. R. W. GAGE, E. D. 5, Garnett, Kansas

### **DUROC JERSEYS**

# ALFALFA STOCK FARM

Durocs of the best, can supply you singly or in carload lots. Sired by the best boars in the west, from sows equally well bred, BELOIT, KANSAS P. H. PAGETT,

R. & S. FARM 150 Spring Pigs, sired by King of Kant Be Beat No. 38333, and Golden Ruler No. 80555. Write your wants. Fall sale Oct. 29. Bred Sow Sale, Feb. 3, 1911.

RINEHART & SON.

Smith Center,

"LUROCS GROWN IN THE OZARKS."

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

C. L. CARTER,

Albany, Missouri

RRED SOWS, AUGUST FA Duroc sows and gilts sired by Bell's Chief th and bred to richly bred boars. Will sell nd ship when safe.

FRANK VRTISKA, Pawnee City, Nebraska

# **20 Duroc Jersey Gilts**

Large Spring yearlings bred for Sum-ner litters. They are large with lot f quality. The best of breeding, priced easonable. Write today. They are bar-ains. MARSHALL BROS. Burden (Cowley County),

# ALBA DAIRY 125 HEAD REGISTERED HOLSTEIN-FRIESIANS

LARGEST HERD OF THIS BREED IN IOWA.

Barns Sanitary—Herd Tuberculin Tested Twice Yearly.

At the head of herd King Segis Hengerveld Vale who is son of the famous King Segis (sire of 3 record-breaking daughters), grandson of Hengerveld De Kol (sire of 100 A R. O. daughters, 4 above 30 lbs.), great grandson of Sadie Vale Concordia the first 36-lb, cow. A. R. O. COWS FOR SALE. Young, sound, free from disease. Large official milk and butter records; rich breeding; splendid individuality. BULL CALVES FOR SALE from 1 to 6 months old.

SHENANDOAH.

J. C. GUTHRIE,

### **DUROC JERSEYS**

JEWELL CO. HERD

headed by Bonney K. 47075, all prominent blood lines represented. Fall sale Oct. 27. Sow sale Feb. 1, 1911.

W. E. MONASMITH.

Kansas

TILLER'S RICHLY BRED DUROCS. Leading strains and choice individuality. 100 good pigs. Write your wants.

O. A. TILLER, Pawnee City,

Nebraska

## DUROC JERSEYS

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.

Hutchinson, Kansas

DUKOC HERD BOAR FOR SALE. Skadden's Wonder 74645, the best living son of Nebraska Wonder. An excellent breeder and individual. Out of litter of 13. Just in his prime. Will price to sell.

A. B. SKADDEN, Frankfort, Kansas

Fail 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.

## POLAND CHINAS

### POLAND CHINAS

THE MORTONS QUALITY AND SIZE POLAND CHINAS.

Herd headed by Equipment 51530 by Impudence. For quick sale 20 summer and fall gilts stred by son of the control of the contro

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

30 BRED FOLAND CHINA GILTS for sale. Spring and summer farrow, bred for April and May litters, choicest blood line, also 5 mature sows and boars ready for service; one by Meddler. Reasonable prices. F. D. FULKERSON, Birmson, Missouri

### HIGHVIEW BREEDING FARM Devoted to the Raising of

**BIG BONED SPOTTED POLANDS** The Farmers' Kind. The Prolific Kind.

I am now booking orders for spring pigs
to be shipped when weaned. Pairs or
trios; no kin.

H. L. FAULKNER,
Box K. Jamesport, Missouri

# 200 LARGE TYPE POLAND CHINAS

Herd headed by Big Hadley, Long John 2d and John Ex. Young stock for sale at all times. A few choice Hadley boars, CHARLES Z BAKER, Butler, Missouri

HARTER'S BIG KIND POLAND CHINAS Headed by Mogul's Monarch 45558 and Capt Hutch 39068. Over 100 choice pigs to select from. Visitors made welcome. Also Barred Rocks.

J. H. HARTER,

Westmereland,

POLAND CHINAS WITH SIZE, Headed by Pawnee Look. I have bred pure bred Polands for 20 years and have learned many valuable lessons, and in the future shall breed nothing but the big smooth kind. More hog and less hot air.

F. F. OERLY.

Oregon, WALTER'S BIG SMOOTH POLAND CHINAS.

Expansive, one of the best living sons of gilts bred to Expansive for fall litters for sale.

H B WALTER

H. B. WALTER, Effingham,

MEISNER'S BIG POLAND CHINAS. Headed by Metal Choice, sows are daughters of such sires as Nebraska Jumbo, Paynee Chief, Big Hadley, etc. Fifty fine spring pigs to date and more sows to far-row. Inspection invited.

T. J. MEISNER. POLAND CHINAS FOR SALE.

10 January boars, \$15 each.
15 January gilts, \$15 each.
17 yearling gilts bred for August and
September farrow, \$30 each.
Good breeding and individuality.
F. D. YOUNG,
Kansas

Winchester,

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

BIG STRONG SEPTEMBER BOARS. Sired by Guy's Monarch, the boar with frame for 1,000 lbs., and a 10%-inch bone. Out of dam by the noted boar First Qual-ity. Low prices for quick sale; must make

om for spring pigs. H. C. GRANER. Kansas Lancaster.

2 YEARLING BOARS FOR SALE, Fine Metal by Gold Metal and John C. Hadley by Hadley Boy both good individ-uals and have made good as breeders, Will price reasonable, JOHN C. HALDERMAN, Nebraska

Burchard.

Foland Chinas headed by Impudence Style 13237 and F. R.'s Meddler by Meddler for sale: 15 fall gilts bred for fall farrow Larelo, Missouri

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

SULLIVAN COUNTY HERD.

Poland Chinas, 200 head in herd, best blood known to the breed. For sale 8 choice fall glits, also 8 coille pups, FULLER BROS., Humphreys.

20—BIG STRONG BOARS—20
The tops of 50 head ready for service.
Want to make room for spring pigs and am making low prices. Strictly big type.
HERMAN GRONNIGER & SONS,
Kansas Bendena

10 SUMMER LEARLING POLAND CHINA by On and On 2nd, bred for June and July farrow to Filbuster by Meddler 111111. \$30 for choice. J. D. WILLFOUNG,

Zeardale. Kansas CORRECT TYPE POLAND CHINAS. Headed by Wise's Hadley by Big Hadley. Sows by What's Ex., Kansas Chief, Nemo L's Dude, etc., 75 choice pigs to pick from,

BERT G. WISE, Reserve, Kansas SHORTHORNS AND POLANIS. Herd buil Acomb Duke 7th 281036, Polands headed by Big Bone Long. Females represent leading strain. Young stock for sale.

FREELAND & WILLIAMS,

BROWN COUNTY POLAND CHINAS.
Oldest herd in Kansas headed by Major
B, by Major Bob 50311. Sows by Big
Hadley, Jchnson's Chief, etc. 3 extra good
fall boars for quick sale, reasonable prices.
ELI ZIMMERMAN, Hlawatha, Kansas

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

RIDGEVIEW STOCK FARM, big type Pcaind Chinas, headed by Union Leader. Major Hadley and Hadley Prince. Sows by Expansion, Grand Look. Big Hadley, Bell Metal, etc. Spring pigs by herd boars, and Collossus. W. R. Webb, Bendena, Kan.

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

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

Pawnee City.

BLUE GRASS VALLEY STOCK FARM, Big boned Foland Chinas, Herd headed by Big Hadley, King Ex. 3d, Long John the 2d and Missouri Wonder. 4 of the best breeding boars of the breed; young stock for sale at all times; everything guaranteed as represented. W. A. Baker, Butler, Mo.

THE HAWTHORNE POLAND CHINAS. THE HAWTHORNE POLAND CHINAS.

Ten Strike, grand champion at the Oklahoma state fair, 1908, heads the herd. Special prices on 20 strictly toppy boars, sired by Ten Strike and cut of richly bred sows. These boars are of December and January farrow, good enough to head any herd. 50 choice gits at very low prices. All pedigrees furnished when hogs are de-jlivered.

T. M. CHAMBERS. Oswego,

### BIG TYPE POLAND CHINAS.

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

GEO. SMITH'S BIG POLANDS, headed GEO, SMITHI'S BIG POLANDS, headed by Mammoth Hadley the best son of Big Hadley, Sows, daughters of King Do Do, Johnson's Chief, Gold Metal, First Quality, Chief Gold Dust, 5 litters by Grand Model by Grand Chief, 100 cheice sigs doing well, Geo, W. Smith, Burchard, Nebrash

# FIELD NOTES

FIELD MEN.

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



### PURE BRED STOCK SALES,

Oct. 26-W. S. Corsa, Whitehall, Ill.

Percherons, Belgians, and Shires.

Nov. 1, 2 3, 4, 1910, Breeders' Sale Co.,

Bloomington, Ill.

Jan. 10, 11, 12, 13, 1911—Breeders' Sale Co.,

Bloomington, Ill.

Feb. 28, and March 1, 2, 3, 1911—Breeders

Sale Co., Bloomington, Ill.

Hereford Cattle, Nov. 10—T. I. Woodall, Fall River, Kan, Nov. 15, 18—O. Harris, Harris, Mo.

Holstein Cattle. Feb. 7-8, 1911—Rock Brook Farm, Sta, B. Omaha, Neb. 150 head will be offered.

Jersey Cattle. 1—Golden Sunrise Farm, Kansas Shorthorn Cattle, Nov. 15—J. E. Joines, Clyde, Kan. eb. 22—Fbillip Albrecht, Smith Center

Feb. 2: Kan. Bezketlires.

Aug. 19, 1910—Chas, E. Sutton, Lawrence, Kan.

### Duroes.

August 10—Chapin & Nordstrom, Green, Kan., sale at Clay Center, Kan.
Oct. 19—G. Van Patten, Sutton, Neb.
Oct. 25—Leon Carter, Asherville, Kan.
Oct. 26—P. H. Pagett, Belolt, Kan.
Oct. 27—W. E. Monasmith, Formoso, Kan.
Oct. 29—Rirehart & Slagle, Smith Center, Kan.

ot. 25—Kir et al. Kan.
Oct. 31.—White Bros., Buffalo, Kan.
lov. 4.—White Bros., Buffalo, Kan.
lov. 15.—J. E. Joines, Clyde, Kan.
lov. 19.—Fhillip Albrecht, Smith Center,

Oct. 31—White Bros., Buffalo, Kan, Nov. 4—White Bros., Clyde, Kan, Nov. 15—J. E. Joines, Clyde, Kan, Nov. 19—Fhillip Albrecht, Smith Center, Kan, Jan. 30—A. T. Cross. Guide Rock, Neb. Jan. 31—Ward Bros., Republic, Kan, Feb. 1—W. E. Monasmith, Formosa, Kan, Feb. 2—Thompson Bros., Garrison, Kan, Feb. 2—G. P. Phillippi, Esbon, Kan, Feb. 3—Rinehart & Slagle, Smith Center, Kan,

Jan. 30—A. T. Cross. Guide Rock, Neb. Jan. 31—Ward Bros., Republic, Kam. Feb. 1—W. E. Monasmith, Formosa, Kan. Feb. 2—Thompson Bros., Garrison, Kan. Feb. 2—G. P. Phillippi, Esbon, Kan. Feb. 3—Rinehart & Slagle, Smith Center, Kan. Feb. 4—W. C. Whitney, Agra, Kan. Feb. 13—T. U. Gothe, Leonardville, Kan. Feb. 13—T. U. Gothe, Leonardville, Kan. Feb. 14—Chapin & Nordstrom, Green, Kan. sale at Clay Center. Kan. Feb. 15—Leon Carter, Asherville, Kan. Feb. 16—W. T. Fitch, Minneapolis, Kan. Feb. 17—L. E. Boyle, Lindsey, Kan. Feb. 17—L. E. Boyle, Lindsey, Kan. Kan.

### Poland Chinas.

Poland Chinas.

Aug. 10—G. A. King. Cullison. Kan.
Aug. 11—E. H. Davidson. St. John. Kan.
Sept. 20—J. D. Spangler, Sharon. Kan.
Sept. 20—J. D. Spangler, Sharon. Kan.
Oct. 5—Homer Gruver. Spring Hill. Kan.
Oct. 12—W. B. Stafford. Bronson. Kan.
Oct. 12—W. B. Stafford. Bronson. Kan.
Oct. 13—Bert G. Wise, Reserve. Kan.
Oct. 14—T. J. Dawe, Troy. Kan.
Oct. 14—T. J. Dawe, Troy. Kan.
Oct. 15—J. B. Whipple, Fall City, Neb.
Oct. 15—A. R. Enos, Romona. Kan.
Oct. 18—Herman Gronninger & Sons. Ben
dena. Kan.
Oct. 19—A. B. Garrison. Summerfield,
Kansas. Oct. 19—A. B. Garrison.
Kansas.
Oct. 20—Hubert J. Griffiths, Clay Center,

Cct. 19—A. B. Garrison. Summertiete, Kansas,
Oct. 20—Hubert J. Griffiths, Clay Center, Kan.
Oct. 21—J. M. Ross, Valley Falls, Kan., and
W. E. Long, Ozawkie, Kan., sale at Valley Falls,
Oct. 22—Hi. C. Graner, Lancaster, Kan.
Oct. 22—Hi. Zimmerman, Hiawatha, Kan.
Oct. 25—W. C. Singer, Hiawatha, Kan.
Oct. 26—W. R. Webb, Bendena. Kan.
Oct. 26—G. M. Hull, Garnett, Kan.
Oct. 26—G. M. Hull, Garnett, Kan.
Oct. 27—Walter Hildwein, Fairview, Kan.
Oct. 28—J. H. Harter, Westmoreland, Kan.
Oct. 28—J. R. Berkey, Louisburg, Kan.
Nov. 1—J. H. Hamilton & Son, Guide Rock,

i.—H. B. Walter, Effingham, Kan, 1.—H. F. Pelphrey, Humboldt, Kan, 2.—Albert Smith & Sons, Superior,

2—J. W. Felphrey. Chanute. Kan. 2—Albert Smith & Sons. Superior. Nov. 2—Albert Smith & Sons. Superior.
Neb.
Nev. 2—R. J. Peckham. Pawnee City. Neb.
Nov. 3—The Mortons, Tampa, Kan.
Nov. 3—George W. Smith. Burchard. Neb.
Nov. 3—D. W. Evans. Fairview. Kan.
Nov. 4—W. A. and C. Z. Baker. Butler. Mo.
Nov. 4—G. W. McKay. Laredo, Mo.
Nov. 5—Fuller Bros., Humphreys. Mo.
Nov. 9—T. J. Meisner, Sabetha. Kan.
Nov. 10—W. R. Stump. Blue Rapids. Kan.
Nov. 11—S. B. Amcoats. Clay Center. Kan.
Nov. 10—W. A. Prewett, Asherville, Kan.
Nov. 10—G. W. Roberts. Larned. Kan.
Jan. 18—H. F. Pelphrey. Humboldt. Kan.
Jan. 19—J. W. Pelphrey. Chanute. Kan.
Jan. 20—Roy Johnston. South Mound. Kan.
Jan. 26—W. R. Stump, Blue Rapids, Kan.
Fob. 7—J. M. Ross and W. E. Long. Valley

Jan. 26—W. R. Stump, Blue Rapids, Kan. Feb. 7—J. M. Ross and W. E. Long, Yalley Falls, Kan. Feb. 8—H. B. Walter, Effingham. Kan. Feb. 8—T. J. Charles, Republic, Kan. Feb. 9—Albort Smith & Sons, Superior, Neb.

n-Io.

184

big gs.

an, ied Big Neb.
Feb. 9—Albert Smith & Sons, Superior, Neb.
Feb. 10—J. H. Hamilton & Son, Guide
Rock, Neb.
Feb. 16—J. H. Harter, Westmoreland, Kan.
Mar. 4—C. H. Filcher, Glasco, Kan.

The famous Rinehart & Slagle herd of Duroc Jerseys has passed to another ownership though the name of the farm is not materially changed. It is now owned by Rinehart & Son and gces by the name "The R. & S. Farm." On this place there are now about 156 fine spring pige by King of Kant Pe Beat 8823 and Golden Ruler \$80555. Their fall sale is announced for Oct. 29 and the spring sale for Fep. \$. At each of these something good may be expected.

Col. Burger Booking Dates.
Col. Lafe Burger of Wellington, Kan., has just returned from a two weeks' hunting and fishing outing spent down in the Osage Nation. Col. Burger has a few fall dates that he can now book for those breeders who have not Calmed their dates. In a recent letter from an Oklahoma breeder he

says. "Col. Burger sure made me a good sale. The day was so cold I believe the crowd would have froze up and gone home if I had not had Lafe to keep them bidding so they did not have time to get cold." If you have not engaged your auctioneer for your next sale it might pay you to write Col. Burger for date. He is a tireless worker and has had several years' experience in selling all breeds all over the corn belt,

Linscott Buys Heifer.

At the Kinloch Farm Jersey sale recently held at Kirkavlille, Mo., R. J. Linscott purchased the only daughter of Imp. Okland's Sultan. Mr. Linscott's great young herd bull was first prize bull on the Island in 1907, and this heifer, 113 in the catalog, is one of the first heifers eyer sired by Mr. Linscott's bull and she is a real beauty.

Duroc Breeders to Meet.

Members of the Kansas Duroc Jersey Association are requested to meet at Clay Center. Kan., Tuesday evening. August 9. Several things of much importance to the breeding fraternity are to be discussed. The election of officers for the ensuing year will also be held.—John W. Jones, president, Topoka, Kan.

Siryker Bros.' Show Herd.
We wish to say that the Stryker Bros. of Fredonia, Kan., will be out at the leading fairs this fail with their usual show herd of Foland Chimas. They will be in bloom and it has become a well established fact among Poland China breeders that Stryker Bros, have one of the good herds in our state. Watch for them at the State Fair at Hutchinson. Kan., Sept. 10 to 17, 1910.

10 Scotch Bulls for Sale.

In this issue Col. Ed. Green of Florence, Kan., is advertising 10 choice young bulls, These caives are sired by champion bulls and out of show cows. There are 9 deep reds and one roan. They are pure Scotch and well grown out and priced very reasonable. If you need a young bull now is the time to buy. Don't wait to write but go and pick out your choice at \$75 to \$125. You can make no mistake at these prices.

Morton's l'oland Chinas.

The Mortons of Tampa, Kan.. breeders of fancy Poland Chinas, are offering for sale 20 cholee fall glits. They are good individuals and elegantly bred, being grand-daughters of Meddler 2d The Mortons have a large herd and only sell the tops for breeding purposes. Their prices are consistent with quality and they are pricing to sell. Write them, mentioning Kansas Farmer. They also have fall boars for sale.

G. A. King Sells August 10.

On August 10, G. A. King of Cullison, Kan., will hold a public sale of Poland China bred sows. Most of these sows will be bred to the great herd boar. One Price. We will say we have seen this hog's get and they are extra good pigs. They are noted for their style and dash, nice heads, good hone and good size. One Price is possibly the best living son of Blain's Wonder and as an individual he speaks for himself for size and quality. Write Mr. King for a catalog, and come or send a bid on a sow bred for fall litter to One Price Kindly mention Kansas Farmer when you write.

Poland Chinas With Quality.

If you are looking for a herd boar with more quality it might pay you to write to T. M. Chambers at Oswego, Kan. Mr. Chambers is offering 16 fall and winter boars sired by the champion, Ten Strike, and out of sows sired by Contractor, Mischief Maker, Feerless Parf, 2nd, and other well bred sows. These boars are priced right and the pedigree goes with each one when shipped. Mr. Chambers can also price 50 winter gitts at an attractive price to move them quick. Write for prices and kindly mention the Kansas Farmer.

W. A. and C. Z. Baker Sell Nov. 4.

On Nov 4 next W. A. and Chas Z. Baker of Butler Mo. will hold their Poland China sale, and sell a let of Big Hadley boars and gilts. The Baker brothers now have one of the rest herds of the large type Poland Chinas in the state of Missouri. They have both size and quality combined in a big Poland China hog. They are pricing a few choice spring boars sired by Big Hadley and King X 2rd by Big Blaine. Some of these pigs weighed at 62 day sold 60 pounds. They are ls.ge smooth and mellow. Write early for prices and get your pick of the herd. You will make no mistake if you buy from either W. A. or C. Z. Baker at Butler, Mo. Please mention the Kansas Farmer when you write.

Half Century Success.

Tiger Drills and Seeders, made by J. S. Rowell Mfg. Co.. Beaver Dam, Wis., have held their own in successful competition with others for over fifty years, and are now in use in every soil and climate. One of these drills is shown here—a "low down" 10-Disc, 8-inch Disc Press Drill. Some of its special features are: An improved chain tightener that keeps the chain at proper tension; an agitator constructed on

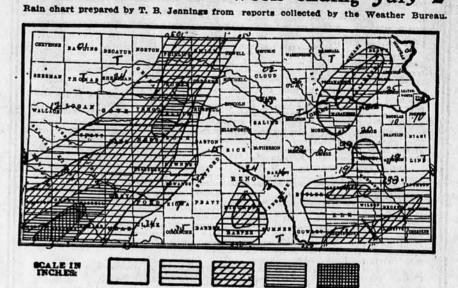


an entirely new principle, that makes clog-ging an impossibility; and an angle-iron pressure-bar across the machine which, they assure us, makes the frame the strongest and stiffest made. All farmers are invited to send to J. S. Rowell Mfg, Co., 158 Ro-well St., Beaver Dam, Wis, for large ca-tulog and a free cooy of "More Grain from Less Seed," a book that should be in the hards of every one interested in getting hards of every one interested in getting out of their soil those few extra bushels of grain that are all profit.

White's Shorthorns,
Clarence H. White, Burlington, Kansas has recently bought an intensely bred Violet Shorthorn bull from W. H. Gentry of which he thinks very highly As he was sired by The Choice of All who is rated by good judges as being the best son of Choice Goods and as his dam was a daughter of Grand Victor and a granddaughter of Imported Marsh Violet by Pride of the Isles, it will be seen that there is little to be desired in his breeding. Mr White reports his fine Shorthorn herd as doing

# KANSAS CROP REPORT

and Rain Fall for week ending July 2



GENERAL CONDITIONS.

GENERAL CONDITIONS.

You week has been warm, but with temperature departures somewhat less than the preceding week. Showers have been local in character; they were light in the extreme northwestern counties but quite heavy from the southwestern corner counties northeastward to the central northern counties. Heavy showers occurred in Kingman county and in the extreme southelestern counties, also in Pottawatomie, Jackston and Brown counties, but over the rest of the state the precipitation was rather light. Harvest is over in the southern counties, is progressing in the central, and beginning in the northern counties. Oats and barley harvests are progressing favorably. Corn is doing well and is clean.

### RESULTS.

Eastern Division.

Allen.—Corn needs rain.
Alderson.—Wheat and oats harvest begun, but rain is needed.

Bourbon—The fine rains have helped corn materially.
Chase.—Corn growing fairly well, more meisture would benefit it, Second crop alfalfa being cut.
Chautauqua.—Vegetation is growing nicely.

nicely.

Coffey.—Corn is growing finely and fields are generally clean. Fascures and meadows

good.

Deuglas.—A good rain would help the corn, though it is not suffering. Wheat harvest progressing well. Texas oats ready to harvest. Early peaches being marketed, Elk.—Corn growing well, it needs rain now in localities. Good rains in central and eastern parts.

eastern parts,
Greenwood.—Wheat harvest over, poor,
Oats never better. Corn doing well but
needs more rain, Second crop alfalfa cut,

good crop.

Johnson.—Week very seasonable,
Linn.—Wheat all in wrock or stack, in
fine condition. Dats ready to cut, Clover
and timothy being cut. Corn doing well—
will need rain soon. Fine week for farm

will need rain soon. Fine week for farm work,
Marshall.—Getting dry. Corn fine,
Nemaha.—Oats and barley nearly ready to cut Millet all sewn and coming up.
Corn growing fairly well.
Pottawatomie.—All crops doing well. Alfalfa well secured. Oats look well. Potatoes being marketed, vield light, quality first class. Early apples good and sound.
Corn doin finely.
Riley.—Alfalfa cutting continues. second crop fine and large yield. Corn condition impreving. Chinch bugs reported doing

considerable damage in parts of the county, Woodson,—Corn has made good growth and has good color. Our about ready to cut. Some hay being cut and baled.

Middle Division.

Barber.—Ground getting a little dry but corn is making good growth. Wheat being thrashed, making from 18 to 30 bu. per

Rarton.—Harvest in full plast with headers and binders. Wheat is of fine quality. Oats and barley very fine, mostly cut, Corn needs not

ors and binders, when mostly cut, Corn coats and barley very fine, mostly cut, Corn needs rain.

Dickinson.—Weather good for farm work, Corn is clean and growing rapidly. Fine haying weather, Harvest in full blast, Oats great, wheat poor,

Harper.—Oat crop unusually good, chinch bugs damaging corn.

Kingman.—First new wheat marketed on the 30th of June.

McPherson.—Dry week. Rain needed.

Marion.—Oats harvest begun
Pawnee.—Harvest in full swing and weather favorable. Corn clean and doing well.

weather lavorable. Corn clean and doing well.

Phillips.—A growing week and favorable for harvest. Corn growing rapidly and looking fine. Grasshoppers numerous in alfalfa and are damaging it some.

Redo.—All crops need rain. though not si ffering seriously. Wheat harvest in progress. Outs harvest begun. Corn looks fine. fields generally clean and standing the dry weather well. Some fields next to wheat badly damaged by chinch bugs.

Sumner.—Some local showers. Wheat all cut, poor crop. Outs nearly all in shock. Chinch bugs numeroues. Streams low.

Chinch bugs numerouss. Streams low.

Western Livision.

Clark.—Fine weather for harvest and wheat excellent.

Decatur.—Wheat harvest progressing, from 6 to 10 days earlier than usual cwing to the dry, hot weather. The yield will be better than expected a week ago. Corn in good shape.

Gove.—Very hot, dry week. Needing rain. Corn all right and clean. No weeds.

Kearny.—All growing crops doing finely. Though more rain would be better nothing is suffering. Harvest is on and yielding fairly well.

Though more rain would be better nothing is suffering. Harvest is on and yielding fairly well.

Lane.—Slightly cooler than last week. Rainfall insufficient.

Norton.—Corn fine, wheat harvest progressing nicely. Will need rain soon.

Rawlins.—Harvest begun. Corn doing well. Cooler weather but no rain.

Wallace.—Corn, cane and Kafir corn doing very well. Small grain damaged some by drouth. Grass frying up.

nicely and all the cows and heifers he is offering for sale are in good condition. Those that are bred are in calf to a Collynie bull or to a good young son of Pudy Bros. show bull Lord Champion. These cows and heifers were sired by Lord Larell, Lord Champion, Cumberland. Imp. Conqueror, Scotland's Charm, New Goods, White Goods, Royal Wanderer and Blythe Conqueror. Do you want any better breeding?

Glissmann's Holstein Sale.

The sale of Holsteins held at South Omaha June 28, 1910, by H. C. Glissmann was not the success it should have been considering the quality of the offering. The very busy season of the year and harvest in Kansas and southern Nebraska reduced the size of the crowd materially. Those present secured some real bargains. Mr. Glissman has yet many good animals for sale and if you are in the market for Helsteins you had better let him know your wants. Following are representative sales:

ates:	
1. Chas. E. Meythaler, Independence,	
Iowa	16
Iowa	12
3. C. H. Kuchl, Omaha, Neb	10
	14
7. A. S. Cleary, North Loupe, Neb	10
	15
0. Wm. Eckles, Omaha, Neb	12
	10
S. A. S. Cleary	10
6. Walter Bell, Plattsmouth, Neb	. 4
7. D. H Anderson, Irvington, Neb	10
9. Henry Kuehl, Fenson, Neb	12
0. H. A. Snucker. Waterloo, Ia	16
1. F. Bawenmeister, Benson, Neb	11
	14
	14
	8
f. Geo. F. McConnell, Nehowka, Neb., 1	10
7. H. Kuehl	12
3. H. Kuehl, Penson, Neb	14
	16
0. H. F. Drake	11
	14
3. D. H. Anderson	12
	12
	iõ
	15
7. H. Kuehl,	14
8. Henry Jensen.	
9 D T Wording Mandania Town	11
9. R. J. Harding, Macedonia, Iowa	10
0. J. F. Mount	7
3. Henry Kuehl	14

46	E B Clibe	110
40	E. B. Gibbs	205
70,	E. M. Little, Rengor, Nob	135
		175
		95
04.	richty Kueni	120
55.	Henry Kuehl.	150
58	H. A. Snucker, Waterloo, Ja	135
50	Honey Waterloo, Ja	210
61	Henry Kuehl.	160
		115
		140
		0.0
	wm. Granke	40.
74.	H. A. Snucker	110
STATE OF		130

### JUST A WORD TO THE RREEDERS AND FARMERS.

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

BOARS,
Hadley B.y 48009 by Hull's Hadley
35344, Wm. Garett 53087 ny Mastedon Chief
53010, Big Hadley 40932 by Hadley Jr.
28388. Blain's Wonder 3£717 by Johnson
Chief 35774. King Flain 48506 by Blain's
Worder 38717.

Chief 35774. King Flain 48506 by Blain's Worder 38717.

SOWS AND THEIR SIRES.

Surshine (128543) by Bell Boy 46145. Midnight (111203) by Champion Chief 32207. Midnight (111203) by Champion Chief 32207. Dud's Datsy (111253) by The Top Dudy 31651. Long Jane Lady (115697) by Chief Goldust 39244, Ps Made Goldust 39244, Fr Standard Tecumseh 4(114. Royal Beauty (125533) by Chief Goldust 39244, D's Made Right (129715) by Designer 39199, Big Beauty 2d (120156) by Long John 44640. Kansas Queen 4th (323399) by Neb. King 122227, Black Lady (127912) by O. K. Frice 42071. Jola Garnett (127913) by Columbia Chief 2d 42528 Miss Garnett (127908) by O. K. Price 42071. Jucen Likeness (131100) by Expansion John 49945. Early Alice (127916) by O. K. Frice 42071. Kans. Queen 21 (323988) by Neb. King 112227.

Mail bids may be sent to either auctioneer and they will be treated high class. Col. E. Bean is on the ground and can give you any information you wish by writing him.

Aucticners—Col. C. E. Bean. Garnett. Kans.: Col. Jas. W. Sparks. Marshall, Mo.: Col. H. Hohenstein, Chelsea, Okla.

# **Books For The Farmer**

Any of these books listed below will be forwarded by n.sil, postpaid to any part of the world on receipt of price quoted, and their safe delivery is guaranteed. IF YOU WANT SOME BOOKS, NOT IN THIS LIST, LET US KNOW YOUR WANTS. OUR FREE BOOK CATALOG SENT TO ANYONE, MERELY FOR THE ASKING.

FARM CONVENIENCES. A manual of what to do and how to do it. Describing all manner of home-made aids to farm work. Made up of the best ideas from the experience of many practical men. With over 200 engravings. 256 pages, 5x7 inches. Cloth, \$1.00.

pages, 5x7 inches, Cloth, \$1.00.

DADD'S MODERN IIIINSE DOCTOR, by George H. Dadd, V. S. Containing practical observations on the causes, nature and treatment of diseases and lameness of herses—embracing recent and improved methods, according to an eligiblened system of veterinary practice, for preservation and restoration of health. Illustrated. 432 pages. 5x7 inches. Cloth, \$1.00.

AMERICAN GKAPE GROWING AND WINE MAKING, by George Husmann. New and enlarged edition. With contributions from well-known grape growers, giving wide range of experience. The author of this book is a recognized authority on the subject. Illustrated. 269 pages. 5x7 inches. Cloth, \$1.50.

SPEAVING GROPS. by C. M. Weed. A treatise explaining the principles and

thority on the subject. Illustrated. 269 pages. 5x7 inches. Cloth, \$1.50.

SPEAYING CROPS, by C. M. Weed. A treatise explaining the principles and practice of the application or liquids and powders to plants for destroying insects and fungl. Illustrated, 140 pages, 5x7 inches, Cloth, \$0.50.

THE BOOK OF ALFALFA. The appearance of the Hon. F. D. Coburn's little book on Alfalfa a few years ago has been a profit revelation to thousands of farmers throughout the country and the increasing demand for still more information on the subject has induced the author to prepare the present volume which is, by far, the most authoritative, complete and valuable work on this forage crop published anywhere. It is printed on fine paper and illustrated with many full-page photographs that were taken with the especial view of their relation to the text. 336 pages. 6½x9 inches. Beaud in cloth, with gold stamping. Frice, postpaid, \$2.00.

FARM MACHINERY AND FARM MOTOKS, by J. B. Davidson and L. W. Chase. Modern farm machinery is indispensable in present-day farming operations, and a practical book like Farm Machinery and Farm Motors will fill a much-felt need. The book has been written from lectures used by the authors before their classes for several years and which were prepared from practical experience and a thorough review of the literature pertaining to the subject. profusely illustrated. 5½x8 inches. 520 pages. Cloth, prepaid. \$2.00.

ANIMAL BREEDING, By Thomas Shaw. This look is the most complete

ANIMAL BREEDING, By Thomas Shaw. This book is the most complete and comprehensive work ever published on the subject of which it treats. The leading laws which govern this most intricate question the author has boildly defined and authoritatively arranged. The chanters which he has written on the more involved features of the subject, as sex and the relative influence of parents, should go far toward setting at rest the wildly speculative views cherished with reference to these questions. The book is intended to meet the needs of all persons interested in the breeding and rearing of live stock. Illustrated, 405 pages. Set inches. Cicth. \$1.50.

CLEAN MIJ.K, by S. D. Belcher, M. D. In this book the author sets forth actical methods for the exclusion of bacteria from milk, and how to prevent ntamination of milk from the stable to the consumer. Illustrated. 5x7 inches. pages. Cloth, \$1.00.

AMERICAN CATTLE DOCTOR, by George H. Dadd, V. S. A complete work on all the diseases of cattle, sheep and swine, including every disease peculiar to America, and embracing all the latest information on the cattle plague and trichina: containing also a guide to gymptoms, a table of weights and measures, and a list of valuable medicines, Illustrated, 367 pages, 6x9 inches, Cloth, \$2.00.

CIDER MAKER'S HANDBOOK, by J. M. Trowbridge. Contents: The properties of cider apple juice: apples, varieties and tests; apparatus for making cider; straining and filtering; fermentation; pasteurization; old method of cider making. It is a complete guide for the cider maker on a large or small scale. Illustrated, 119 pages, 5x7 inches, Cloth, \$1.00.

MAKING POULTEN PAY by Edwin C. Powell, A manual of practical in-

making. It is a complete guide for the cider maker on a large or small scale. Illustrated. 119 pages. 5x7 inches. Cloth, \$1.00.

MAKING POULTRY PAY, by Edwin C. Powell. A manual of practical information on poultry keeping. It tells what to do, why to do it, and how to do it. Illustrated. 324 pages. 5x64 faches. Cloth, \$1.00.

THE CEREAIS IN AMERICA, by Thomas F. Hunt, M. S., D. Agri., professor of agronomy. Cornell university. If you raise five acres of any kind of grain you cannot afford to be without this book. It treats of the cultivation and improvement of every grain crop raised in America in a thoroughly practical and accurate manner. First-hand knowledge has been the policy of the author in his work, and every crop treated is presented in the light of individual study of the plant. Illustrated. 450 pages. F.4x3 inches. Cloth, \$1.75.

THE AMERICAN APPLE ORCHARD, by F. A. Waugh. This work is the result of actual experience and observance of a practical man. It is what everyone interested in apples has been looking for. For many years past there has been a strong and increasing demand for a practical book on apple culture. Of all fruit crops, the apple is not only the most popular, but it is also the most profitable; and in this book chief prominence has been given to modern commercial methods as practiced in large and up-to-date orchards. At the samo time, the family orchard is not neglected, for special treatment of this subject has been given. Methods are discussed, not for their theoretical value, but from the standpoint of cash profits. Illustrated. 5x7 inches. 227 pages. Cloth, postpald, \$1.00.

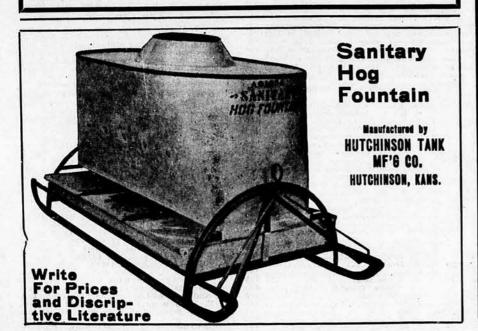
MANUAL OF CORN JUDGING, by A. D. Shamel. The advanced methods of corn dividence and all the available information on this subject are incorporated.

MANUAL OF CORN JUDGING, by A. D. Shamel. The advanced methods of orn judging and all the available information on this subject are incorporated in this work. It is especially helpful to farmers interested in improvement of orn, for corn schools, farmers' institutes, etc. Profusely illustrated with photographs of ears of the leading varieties of corn, desirable ears contrasted to unstrable, and kernels. In addition the score cards used in the corn states are even, 5x7 inches, \$0.50.

Address all orders to KANSAS FARMER TOPEKA, KANSAS

# HOLLAND STOCK FARM

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



# 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.

W. S. GABEL Secretary. E. C. LOGAN, President.

### SHORTHORN CATTLE.

THE PURE SCOTCH BULL HIGH-land Laddy by Brave Knight by Gal-lant Knight heads our herd. Some fine young buils developed for this fall's use. A young herd of real merit, BRINEY & BRINEY, Beloit, Kans.as.

LOCUST GROVE HERD SHORTHORNS Up-to-date breeding with good quality. Route 7, Beloit, Kansas

BOOKDELL STOCK FARM. Shorthorn cattle, Poland China hogs.
Silver Laced Wyandottes.
E. E. BOOKER & SON,
Raloit.

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

HERD BULL, Royal Goods by Select Goods by Choice Goods for sale; also young bulls. Herd headed by Dread-naught, MEALL BROS., Cawker City, Kaneas.

### HEREFORD CATTLE.

W. B. & J. M. RODGEKS, Beloit, Kan. Breeders of Hereford Cattle and Berk-shire Hogs. Quality before quantity. Come and see us.

50 HEREFORD CATTLE, comprising the H. B. Woodbury herd, Some famous ccws in the herd, 8 young buils of serviceable age for sale, 4 miles from Tipton, Kan., 8 miles from Cawker City. Tipton, Kan., 8 miles from Cawker City. JOHN SCHMIDT & SONS, Tipton, Kan.

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

### PERCHERON HORSES.

REGISTERED PERCHERONS—The home of Vidoque (Imp.) 40103, also the brood mare Risette (Imp.) 51115. Inspection invited. Farm adjoins town.

E. N. WOODBURY,

Cawker City. Kansas

REGISTERED PERCHERON HORSES in stud. Imported Rebelais 42529 by Casaque by Tehidus, who sired Callipso and Casino, Visitors welcome, C. J. JOHNSON, Sciemon Rapids, Kan.

THE HOME OF JAQUE W. 42659 by Tistrey, dam imported Risette. Inspec-tion of my Percherons invited. RALPH G. McKINNIE, Glen Elder, Kansas

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, Kansas.

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

### COACH HORSES,

LAWNDALE 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 sows. E. C. LOGAN, Beloit, Kansas.

EUREKA HERD OF PURE BRED Poland Chinas and Durco 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, lest of breeding and individuality. Satisfaction or no sale, LEON CARTER, Asherville, Kan.

ALFALFA STOCK FARM HERD— The best in Duroc-Jersey swine, Orders booked now for early spring pigs of either sex. PEARL H. PAGETT, Be-lott, Kansas.

### HAMPSHIRES.

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 KERB and Big Mary families. No more females to offer. A few choice bred and open glits 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 484. BELOIT, KAN.

# BIG-BONED POLAND CHINAS

Spring boars for sale, sired by my herd boars: BLAINE WONDER, ORPHAN CHIEF 50986 by Orphan 47470. JOHN LONG 49897 by Long John 44640. LOGAN EX. 51718, by Mammoth Ex. 48933. The best lot I ever raised. Get your order in early and get your pick of my herd.

Roy Johnston,

Write me today.

South Mound, Kan.

# Do You Want a Home?

If you do, let us help you find it. Here is what we have to suggest:—

Along the K. C. S. Railway in Southwest Missouri and Northwest Arkansas there are many idle acres of the most fertile and productive land in the United States. It is being divided into 5, 10 and 20 acre farms and sold on easy payments. It is exceptionally well adapted to fruit, truck and poultry raising. Strawberries, apples and poultry are the big money makers, and many men who have located on these lands have made as high as \$450.00 per acre. You can do the same. The money you are paying for rent will buy you a home.

The water, the climate and the general health conditions of the country are ideal. No long, cold winters; no extreme heat in summer; no swamps; no malaria, and no mosquitoes.

You can buy these lands at from \$15 to \$25 per acre. Write us for more detailed information and your letter will receive careful attention.

S. G. WARNER,

G. P. A., K. C. S. Ry.,

KANSAS CITY, MO.