

OF THE FARM AND HOME

Established 1863. \$1. a Year.

J. A. GIFFORD, BELOIT, KAN.

(Continued on page 2.)



A Farm Home Near McCook, Neb.

Beginning and Progress in the Development of American Grapes

T. V. MUNSON, DENISON, TEXAS.

Continued from last week.

Dr. Peter Wylie, Chester, S. C., was the first person to make hybrids on the Southern Muscadine with which he used *Vinifera* varieties. None of these proved valuable. He lost many young hybrids in a fire that burned up his home.

About 1870 J. B. Moore, of Massachusetts, produced Moore Early from Concord seed. It is now a standard early black market grape in most sections of the North, but South it is feeble and not sufficiently productive. It is healthy, resisting black rot well. Quality not quite equal with Concord.

In 1872 Clark & Hoag, of New York, brought out the Niagara, a cross between the Concord and Casady, the latter being a *Labrusca-Vinifera* hybrid. The Niagara is one-fourth foreign blood and generally succeeds better than varieties having one-half *Vinifera*. Yet it is subject to rot and mildew and is quite foxy, yet better than Concord.

Viewing the great number of *Labrusca-Vinifera* hybrids that have been made, it seems true that such combination will never produce a grape of first class character.

In 1873 Col. A. W. Pearson renamed an old variety, Ironclad, that had been found in the woods somewhere in the vicinity of Philadelphia some 200 years before and in limited cultivation as the Ash Grape. It is of the Clinton class, but entirely resistant to rot. It makes a good wine and furnishes a good base to improve hybridization, though so far as I know, has not been used.

Nicholas Green of Missouri about 1875 produced two accidental seedlings of Taylor crossed with some unknown *Labrusca*, both white, the Missouri Riesling and Grein Golden. They are vigorous, prolific, and fine white wine grapes, but their flavors are not generally liked for table varieties. Like nearly all the Taylor seedlings, the fruit cracks badly, if after dry weather, rain strikes them at ripening time. They do better in middle regions than far north or south.

W. E. Green in 1874 found a chance seedling (*Labrusca*) of the Perkins type, fruiting in his garden in Vergennes, Vermont. It is considerably planted in the northeastern states. It is somewhat better than Perkins.

C. H. Woodruff of Ann Arbor, Mich., had a chance seedling to come up in his yard in 1874, which fruited in 1877, an early red grape of pretty good quality named Woodruff. It has gained considerable attention in the North, being prolific, handsome and a good market grape. Supposed to be a cross between Concord and Catawba, as these grew in the same grounds where it originated.

Elwanger & Barry obtained a variety originated by J. M. Clough of Stamford, Vt., before 1885, which they named and disseminated as Winchell. It is about the same size of Niagara but of better quality. It looks as though it may be a seedling of Niagara, but of better quality. Its vine is more vigorous.

In 1888 Stephen Hoyt's Sons introduced a grape obtained of J. M. Paul of Stamford, Vt., as Green Mountain, which evidently possessed blood of Delaware, although a greenish white grape. The other element in its make-up seems Niagara. Its quality is much better than that of Winchell, but size of berry less. The two varieties have been much confused and by some supposed to be one variety. I got vines of each from the disseminators, and know them to be as described above.

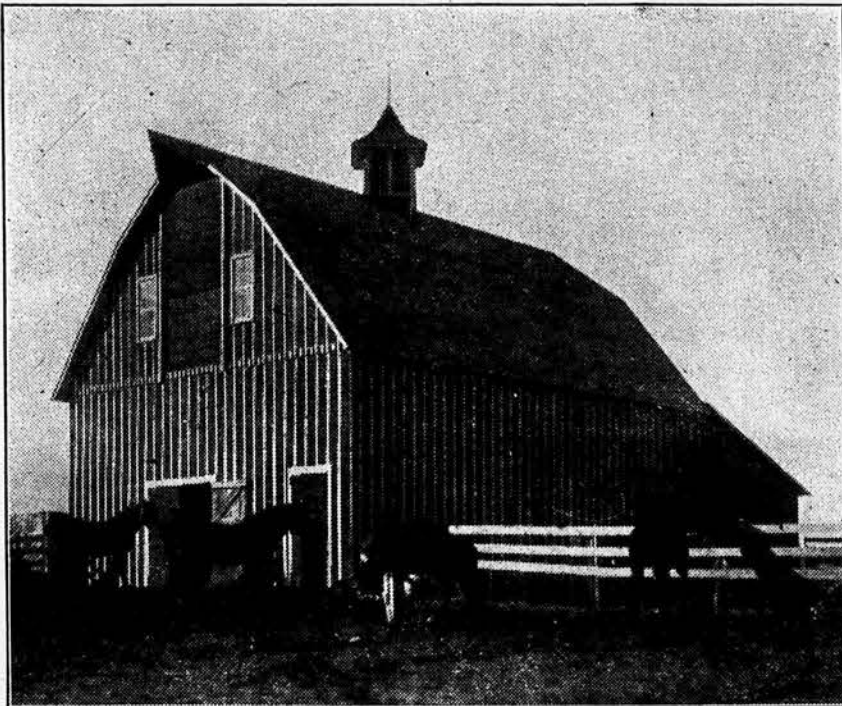
About 1885 Louis Suelter of Carver, Minn., found a native white fruited

Vulpina grape which he pollinated with Concord, and from the hybrid seed raised a number of medium sized black grapes of fair quality, ripening very early. They induced the climate in Minnesota perfectly, sometimes to 50 degrees below zero. The four best were named Beta, Dakota, Monitor, Suelter. This is a starter in the bleak Northwest for successful grapes there.

Mr. Joseph Bachman of Altus, Ark., for a good many years has been growing hybrid grapes and a few of his productions have been disseminated, namely Banner, a fine red grape from Lindley supposed to be pollinated with Delaware; and Star Stark, first named Uncle Sam, a seed-

variety named Goff in honor of Prof. E. S. Goff, from one of whose unnamed varieties the seed was saved. The exact blood is unknown. From the character of the foliage, cluster and berry it seems surely to have Delaware as one of its elements. Its quality is of the highest, vine vigorous, healthy and prolific.

A chance seedling in the yard of Prof. W. O. Cross of Louisville, Ky., has borne a remarkable fruit, small in cluster and berry, dark red, of combined quality of Delaware and *Vitis Bicolor*. The vine is vigorous and perfectly healthy, fruit ripens late. The foliage and wood also show Delaware and *Bicolor* characters. *Vitis Bicolor* is a native of that region. This



Horse and jack barn owned by Bruce Saunders, Holton, Kan., breeder of Big Kentucky Jacks.

ling of Catawba supposed to have been furnished pollen by Norton, or Hermann, a very late grape.

Prof. S. A. Beach, formerly of New York Experiment Station at Geneva, New York, now professor of horticulture of Iowa State Agricultural and Mechanical College, while at the former place, studied grapes extensively, as to fertilizing capacities of many varieties by their own and other pollen, applied to their own stigmas, and published bulletins thereon, which are valuable alike to vineyardists and breeders of grapes. He also originated some new grapes, the most promising of which is a red

is another fine beginning for a fine tribe of northern grapes. The variety was named Bicolored by the writer and the name accepted by Prof. Cross. It is not disseminated.

Dr. G. L. Tinker, formerly of New Philadelphia, Ohio, now of New Mexico, while living in Ohio, sought out a number of vines in the woods about his home, of the *Bicolor* species, that were extra good, healthy and prolific, named them and moved them into his grounds and made hybrids from them as mothers with various large fine quality grapes. When leaving for New Mexico he placed the young hybrid vines of Bi-

color with Benj. Buckman, of Farmingdale, Ill., for testing. They could have fallen into no better hands. The *Bicolor* is a closely related species to *Aestivalis* of the Southeast and the *Lincecumii* of the Southwest.

W. K. Munson, of Grand Rapids Mich., a few years ago found a chance vine in his Concord vineyard bearing berries of mammoth size, the variety otherwise just like Concord. It is either a bud-sport or seedling of Concord. It is being introduced as King.

Mr. William Pfeffer, of Cupertino, Calif., for a number of years has been hybridizing under my suggestions and aid with material, and has some very promising kinds, but none ready for dissemination.

There are hundreds of others not named who have produced varieties of grapes in the United States, but I think I mention those that in one way or another have most aided progress in the development of American grape culture outside the culture of *Vinifera* varieties in California, in actual field work.

Writers upon grapes have done much to stimulate progress, the chief of whom are John Adlum, Andrew S. Fuller, Prof. George Husmann, Isidore Bush, and last but not least Prof. U. P. Hedrick, the author of that monumental work, "The Grapes of New York."

In 1870 Prof. C. V. Riley, then entomologist of the state of Missouri and later of the United States Department of Agriculture, discovered the root-louse of the grape (*Phylloxera vastatrix*), and soon thereafter it was discovered in France, where the insect was already playing havoc in some of its vineyards, that the native American vines are immune to its attacks. This led to grafting the French varieties upon American roots and thereby the vineyards of France were reestablished, after having been mostly destroyed.

In the United States, east of the Rocky Mountains, the downy mildew was very severe in its attacks on the undersides of the leaves of all the *Vinifera* varieties and more or less of all hybrids having *Vinifera* blood in them and the black rot destroyed the fruit of all such varieties. Prof. A. Millardet of France discovered that a chemical compound solution of lime and bluestone called Bordeaux Mixture, used as a spray on the foliage, prevented the mildew. Some special agents of the Department of Agriculture were put to work in 1888 trying the Bordeaux Mixture and other solutions of copper sulfate on grapes for prevention of black rot. That year, the writer, one of the three special agents, was the first and only one getting positively favorable results. In 1889 the experiments were repeated, and confirmed my work. Since then such spraying has been extensively used with the

happiest results.

Now, by grafting on resistant roots and properly spraying, I am successfully growing and fruiting many varieties of *Vinifera* grapes at Denison, Texas, but having excelled most of such kinds with hybrids of greater hardiness, need not grow the foreign, and yet supply all demand, except at such seasons when we have none ripening.

Thus after three hundred years of disasters with the three insidious enemies of grapes, we have conquered all along the line and advanced beyond what the best old world grapes can do, by using natives.

Now I come to the most difficult part of my thesis, that is to properly say something of my own in this connection.

It will be observed that in the work of originators I have

(Continued on page 5.)



Four of the kind offered by H. G. McMillan, Rock Rapids, Iowa, in his sale of Lakewood Percherons which will be held at Sioux City, Iowa, on February 8 and 9 when 100 head will be disposed of.



KANSAS FARMER

EDITORIAL



The four essentials necessary to successful farming conditions are, drainage, sweet soil conditions, organic matter and plant food.

Questions of tile drainage are receiving much attention from Kansas farmers, not simply for relieving flooded fields but also for the purpose of conditioning the soil. A study of this problem will bring many dollars to the pockets of those who are now annual losers.

Report comes from the west that a number of capitalists who have for years been engaged in a very profitable gold mining business, have recently purchased a large tract of land which they propose to seed down to alfalfa and convert into dairy farm. This project is located in Nevada and is significant only as showing that even gold miners recognize the value of the dairy as a money maker.

The influence of the Agricultural College is spreading into every phase of Kansas life. Its usefulness and value to the farmer who cannot attend college, is growing daily while its effectiveness as a high class educational institution is unquestioned. W. S. Gearhart, highway engineer, Farmers' Institute department, and his two assistants were busy during the holidays drawing plans for cement concrete bridges. It is the intention of Mr. Gearhart to prepare a complete series of drawings for bridges and culverts of all sizes and send sets of them, together with standard specifications, to the county engineers.

Papers of the southern states are urging upon the farmers the desirability as well as the necessity of planting more corn. In many places the land has been cropped to cotton without proper rotation for so many years that the yield is falling off and a change becomes necessary. The same is true in the tobacco belt. These facts, together with the high price of corn and the shortage which has been predicted by prominent speakers and writers have served to turn the attention of interested parties in the south to the great American cereal. If this agitation results in a considerable increase in area it will mean a broad expansion of the corn belt and the removal for a time at least, of fears for a future shortage.

There are numerous alfalfa mills in Kansas and more seem to be building almost daily. The newspapers state that there is one plant in Kansas that has a capacity of 8 car loads per day and pays out \$50,000 a year for its raw material. Here at home, where alfalfa is grown in such abundance, the value of alfalfa meal is not unanimously decided upon but in the dairy and poultry district of other states where freight rates are considerable, this meal is highly appreciated. Last week we printed in KANSAS FARMER an excellent article on this subject that was presented before the Kansas Improved Stock Breeders Association and evoked a good deal of discussion, much of it favorable.

For some reason, which is probably to be found in the high price of meat, the farmers seem to be butchering more beef and pork at home than is usual. It is believed by many people that the old methods of home curing meat are better than anything that has yet been devised by the packers, at least so far as flavor is concerned. The job of butchering is a disagreeable one at best, but it is also said to be very economical. Secretary Wilson, in his last report, states that the gross profit of the retail dealer in beef is 38 per cent. If this is true, as the secretary seems to believe after an investigation of the packing houses in fifty different cities, then it can not be wondered at that farmers are doing their own butchering by which they can save 38 per cent profit and have the home flavor of meat at the same time.

One of the evils with which a farmer has to contend is to be found in the impure quality of the seed which he must buy. Some times this is a serious matter especially in the

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OUR GUARANTEE.—It is our belief that all advertisements in this paper are from reliable persons or firms. To show that we are

case of alfalfa which may be mixed with dodder or other worthless or dangerous weed seeds. Dodder seed is small and is likely to escape detection when mixed with alfalfa, but it is a dangerous and persistent growth that should be avoided by all means. If the farmer finds it impossible to detect impurities in his alfalfa or other seed he can send samples to Prof. H. F. Roberts, Kansas Agricultural College, Manhattan, for analysis and tests. We understand that Professor Roberts has facilities for rendering this service to the farmers entirely free of charge. This is much cheaper and safer as well as surer than to undertake to sift and test the seed for one's self, besides it has the merit of being reliable.

One of KANSAS FARMER advertisers once held a pure bred hog sale in which he offered a number of very young pigs. These pigs were just beyond the weaning stage, and were selling for \$15 a head at public auction. The owner's attention was called to the fact that in doing this he was lowering the average of the sale but he replied that, up to this time, the pigs had not cost him anything and he was making more profit on them than he could at any other time in their lives. If this were true of the pigs, and it undoubtedly was, why should it not also be true of draft bred colts? Such a colt, from good parents and well cared for, ought to sell at from \$60 to \$75 at 6 months of age, and if this kind of market can be had for him his price represents pretty nearly all profit. When we consider that even the beef steer must be older than this before he brings his best price and that feed for any domestic animal is expensive why would not this seem to indicate that there is a good market for colts of this quality and age?

In another place in this issue of KANSAS FARMER will be found a letter from a subscriber who attacks the present game law. There is evidence of wide spread dissatisfaction with this law, and Professor L. L. Dyche, the newly appointed fish and game warden is quoted as saying that one of the first as well as one of the most important results which he hopes to secure is the passage of a righteous game law. It is certain that something should be done to protect the birds, most of which are insect destroyers and friends of the farmer. It is also doubtful whether some provisions of the present law should be retained. Reports from over the state seem to indicate that there has been a great loss in the quail population, due to the weather conditions of the past two months, and a number of our readers have reported that young pheasants, which had been put

in earnest in protecting our subscribers we guarantee the trustworthiness of our advertisers under the following conditions: We will make good the loss of any paid up subscriber who suffers by dealing with any fraudulent advertiser in our columns, provided complaint is made to us within thirty days after the transaction. This guarantee means just what it says. It does not mean that we guarantee to settle all trifling disputes between a subscriber and an advertiser, though we offer our good offices to this end. We do, however, protect you from fraud under the above condition. In writing to advertisers be sure always to say: "I saw your advertisement in Kansas Farmer."

CONTRIBUTIONS.—Correspondence invited on all farm topics, live stock, soil cultivation, grains, grasses, vegetables, household matters, recipes, new and practical farm ideas, farm news. Good photographs of farm scenes, buildings, live stock, etc., are especially invited. Always sign your name, not for publication, unless you desire it, but as an evidence of good faith. Address all communications to

KANSAS FARMER COMPANY,
Topeka, Kansas.

out in their several neighborhoods by the State Fish and Game Commissioner, have been killed. Very many now favor a closed period on quails until the state can be thoroughly stocked again.

The material progress that has been made in the Philippine Islands since the United States Government assumed control is doubtless a matter of pride to every American. Most noticeable of the results accomplished there are the installation of sanitary systems and the building of good roads. The first has resulted in the material decrease in the death rate of both natives and foreigners and of the latter we are told that already more than 300 miles of macadamized roads have been built in the Philippine Islands alone. This same kind of improvement of the highways has been carried forward in Porto Rico and Cuba and the results are said to be remarkable. If these reports are true and such results are obtained, it might seem strange perhaps that it is so difficult to enlist the active interest of the powers that be in the building of good roads at home. There is perhaps no single influence that will so immediately increase the value of nearby property as the building of permanent highways. It is not to be expected that the Government will or can build all the highways that are needed, but it is believed by many that the vast sum which is annually appropriated in the rivers and harbors bill could be at least divided so that good roads would secure a portion of it.

HIGH FARM PRODUCTS TO STAY.

"The present high prices for farm products have come to stay; the rural population is playing out; the present census, if it classes the unincorporated villages as towns, will show between 60 and 65 per cent of population living in towns. At the present rate in twenty years the United States will cease to be an exporting nation for agricultural products, except as to cotton."—Congressman Champ Clark of Missouri.

WE WANT FARM PHOTOGRAPHS.

KANSAS FARMER frequently receives photographs of interesting farm scenes or of farm animals and these we are glad to use in the columns of the paper when they are available. It so happens, however, that many of these photographs are not useful to us for the reason that they are lacking in the contrast which is necessary in making half tones. Many photographs coming to this office are made from negatives which have been badly underexposed, or poorly printed, or taken with uncouth backgrounds. Such we can not use unless they be redrawn and this is an expensive process. It costs from \$2.00 up to make each cut

that appears in the KANSAS FARMER, and it is unsatisfactory both to the readers of the paper and the owner of the photograph if this cut be not well made. When you send photographs be sure that they are so made that the principal objects stand out in contrast with the surroundings and that they show plenty of detail. Otherwise it will not be possible to use them.

VALUE OF HUMUS IN SOIL.

The value of humus in the soil is not only that it supplies an element of plant food, but that it absorbs moisture and is an obstacle to evaporation, says the Rural Californian. It also prevents soil erosion and waste. The most successful farmer is the one who takes the most pains to utilize every element of his farm products that contributes humus to the soil. This is especially important in localities where the surface is uneven or broken, and the earth is not firm, or in other words is easily eroded by rainfall.

THE FARMER'S AUTOMOBILE.

While automobiles are expensive vehicles, in a sense, they are daily becoming less so. Improvements in methods, materials and knowledge have made a cheaper car possible and the fact that the purchasers of fancy cars are already supplied has caused manufacturers to devote their energies to turning out a car that is medium priced and of high quality. A new field for the marketing of the product of their factories was necessary and this field was found among the farmers. High priced fancy cars would not go with them but quality would and those manufacturers who were shrewd enough to make a car of high quality at a reasonable price have found ready customers among the farmers.

It is estimated that there are now in use about 100,000 automobiles among the farmers of this country and something like 5,000 of these are in Kansas. They are great favorites among the dairy farmers as time savers in the delivery of milk but they are no less so among other farmers who find in them a means of rapid transit without disturbing the farm teams. The new farm automobile is here to stay.

FOR A BIG FARM SCHOOL.

Columbia University of New York has undertaken the largest thing in the history of the world in an effort to promote practical agricultural education. That institution is planning the establishment of a two-million dollar school of farming. A committee of professors which has been wrestling with the preliminary problems presented by the plan announces that the course of study will occupy two years. Class room instruction will be given only from Oct. 1 to April 1, the remainder of the year being devoted to work in the field.

For the purposes of the school, the committee believes that it will be necessary to acquire between one thousand and two thousand acres of land within a reasonable distance from New York City. To purchase this, to erect buildings and to stock and equip the institution will require about one and one-half million dollars. After the work has been organized and is in running order, it is believed that the income from the farm will assist largely in meeting the expenses of the work.

The committee believes that the financial returns for those properly trained in agricultural work are so large that many persons who now struggle along on small salaries in the city may feel impelled to study practical farming if the opportunity is presented to them.

It is hoped the plan will be pushed to completion. Some apparently valuable principles are involved and KANSAS FARMER would like to see them tried out. No state in the Union can better afford the experiment than New York.

WHEN THE FARMER MOVES TO TOWN.

When a farmer begins to talk about moving to town it is for one, or perhaps two, very common reasons.

sons. He wants to move to town to take life easy, or to educate the children, or to go into business or to secure more comforts and luxuries and advantages for his family.

If he moves to town to educate the children he speedily makes some important discoveries. He finds that instead of being cheaper, it is much more expensive than he dreamed. The average farmer finds out that he might better have boarded the youngsters at a hotel as a means of saving money. Taking the proceeds of an ordinary farm and trying to live off the interest is risky business, as many farmers have found to their sorrow. If you want to hear the value of country produce eloquently set forth, go to the man who moved to town recently and is finding out the price of provisions for the first time. How he envies the farmer who sends his children to school every morning in a comfortable storm buggy and gets them back at night. In despair he takes a situation somewhere at an inferior salary, because totally unused to town work, and wishes himself back on his farm. He also finds out that the children will be through school in a few years and will be in homes of their own or in business most likely, while he has nothing in the way of good prospects ahead of him for the rest of his days.

If he moves to town to "retire," he soon finds he has accomplished his purpose too thoroughly for enjoyment. There is a healthy sentiment against idleness, and even a well-to-do man who loafs all the time soon finds out that he is considered a bore and a loafer. Of course an aged man is not shunned or ill treated, but a middle-aged man who gives up the active pursuits of farm life to loaf indefinitely has few real friends in his new surroundings, while a young man who does such a thing will not be tolerated at all. But the most pathetic things happen when the farmer moves to town to go into business. It seems to be a sort of disease that a man gets when he decides that the farm is altogether too slow for him and he will get rich faster in town. Against the advice of friends and kindred, he sells out and puts his money in a new and untried venture, to lose it sooner or later in ninety-nine times out of every hundred.

And the man who moves to town for social advantages makes some unpleasant discoveries also. He finds out to his surprise that the rules governing polite society in the country do not obtain in town. In the country all respectable people are on the same footing, while in the average small city little groups or circles or cliques, whatever they may be called, are all-sufficient. One disappointed woman said that it was easier to get into heaven than into the charmed circles of many small towns. The country people find themselves in many cases like fish out of water, out of touch with their old friends and on the outskirts of society in town. And they also find out that town pleasures cost a lot of money and that entertaining is elaborate even in small places. The man who feels that he will better himself by leaving the farm must not expect too much, or he will be sadly disappointed. He must expect just as many disadvantages as the country

had and must know that it takes a great deal more money to live in town in comfort than it does in the country. Many a man who moved to town in order to have electric lights, running water and other luxuries has discovered too late that he might better have put in those conveniences and remained on the farm. City life is pleasant and has many advantages, but so has country life, and the farmer who decides that the town has all the good things and the country none is not likely to succeed anywhere, because he expects too much.—Breder's Gazette.

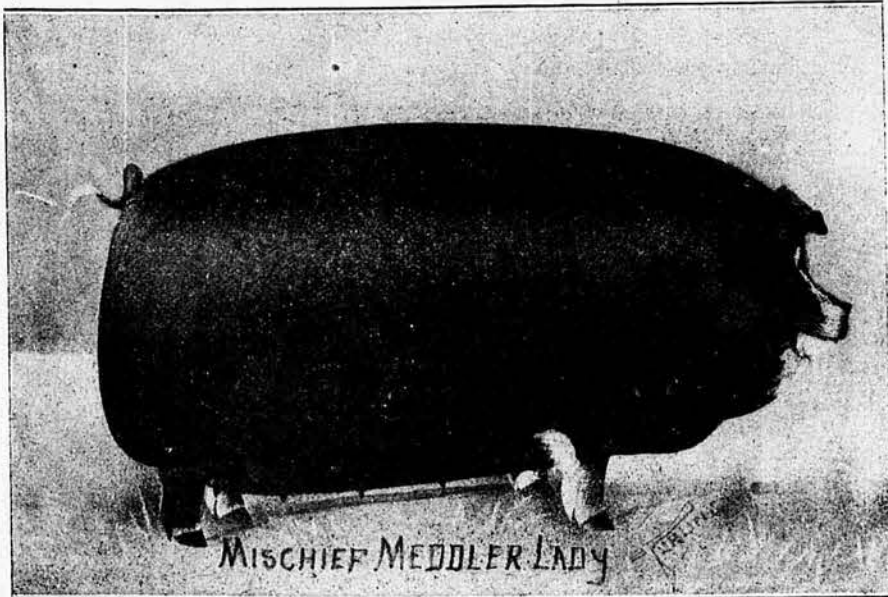
Beginning and Progress in the Development of American Grapes.

(Continued from page 2.)

named heretofore in this paper, the most of it was chance work, with from one to three species, with little study of adaptation to soils, climate and uses, with little knowledge of species and the laws of variation and heredity, chiefly working in the dark.

The first critical botanical study of American grapes, done in connection with varieties in cultivation, was by Dr. George Engelmann, during the seventies and early eighties. But he did not study grapes as a practical vine grower, but as a botanist. He made out thirteen species, native to North America, of which only four had in any way yet entered into cultivation, namely: *Labrusca*, *Vulpina* (*Riparia*), *Aestivalis*, and *Rotundifolia*.

It became the pleasure and good fortune of the writer in 1876, to see the need of some one to take up the work as a practical vineyardist, a grape botanist and a systematic breeder of varieties, from all available material, of useful varieties for every soil, season, and purpose, and to fall into the ideal spot for such work, and to actually undertake the immense labors of it. In connection with the exacting and hard work of a general nursery business, the experimental and scientific work has been carried on systematically and conscientiously for the last thirty-three years, resulting in the production of many thousands of varieties, of which less than fifty have been introduced, chiefly for the South, where they were most needed, yet some for every section; in the discovery of a number of new species, and the errors about old ones; the correction of nomenclature and classification, showing that we have at least twenty-five distinct species of grapes in North America, and that at least a dozen are valuable to use in breeding or as graft stocks. A goodly number of the varieties have become standard in various sections. To tell about all of this work and the varieties would require a large book. The cream of it all has been put into a book, the title of which is "Foundation of American Grape Culture," highly illustrated with full page half-tone engravings, published by T. V. Munson & Son of Denison, Texas, with Orange Judd Company as general agents. To that book you are respectfully referred for the treatment of the balance of my subject, believing that I have prepared therein a most appetizing and profitable feast for the botanist, the grape breeder and the practical grape grower, for profit or ornament.



One of the good sows in E. G. Manderse's herd at St. John, Kan., and will be sold in his sale Feb. 18, 1910. Watch for sale announcement in Kansas Farmer.

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One Year's Subscription to the American Swineherd.

The Swineherd has been established 25 years, and is devoted especially to the swine industry. The best hog raiser acknowledges that there are many things he don't know that he ought to know. He wants to keep in touch with what the other fellow is doing. In no way can you get as much valuable information as from the book mentioned above and a year's subscription to the American Swineherd.

One Year's Subscription to Kimball's Dairy Farmer,

now recognized everywhere as a national dairy magazine. Every man who milks cows should have this handsomely printed semi-monthly dairy magazine. The merits of Kimball's Dairy Farmer are too well known to need further comment.

One Year's Subscription to the Western Poultry Journal,

the leading poultry paper in the great middle west. Everybody raises some poultry, and with the present high market price of poultry and eggs, it is a very important industry. There is no better poultry paper than the Western Poultry Journal.

One Year's Subscription to the Fruitman and Gardener.

There are over five million acres of bearing apple and pear trees in the United States, and the acreage of plums, cherries and berries is many times that of apples and pears. There are nearly three and one-half million acres of grapes in the United States. These figures give some idea of the immensity of the fruit industry in our country. The Fruitman and Gardener gives the man who has a large or small orchard just such special information as he needs. The information on the spray proposition is alone worth many dollars to any farmer or fruit grower.

One Year's Subscription to the People's Popular Monthly,

a high grade home magazine, printed on first-class paper, with colored cover and illustrations. The People's Popular Monthly is not a cheap, trashy magazine. It is a clean publication for the home, with good wholesome reading matter and stories, and contains no medical, whisky or fake advertising. You will like it.

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together with the Kansas Farmer, will give you a wealth of reading matter covering every branch of the farming industry, as well as interesting articles on practically every subject of importance along other lines. If you are already a subscriber to any of these papers your subscription will be extended one full year from expiration.

This Great Farm Library Offer

For only \$1.50 you get the Kansas Farmer one year, the Pig Feeders' Manual and the above combination of magazines for one year. For only \$2.00 you get the Kansas Farmer two full years, the Pig Feeders' Manual and this combination of magazines for one year.

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DAWLEY'S BIG "DOIN'S" SALE

—AT—
**Waldo, Kan.
Feb. 18, 1910**

60 choice Poland China sows and gilts bred to the following boars:

S. P.'s Perfection, grand champion of Iowa 1908.
Impudence I Know, reserve champion of Missouri 1907.
Advance Guard, Maid 2d's greatest breeding son.
Impersonator, the best boar and sired by Impudence I Know in 1908.

The major part of offering is sired by S. P.'s Perfection. S. P.'s Perfection sow produced champion boar of Ohio last year and 1st prize sow and 1st prize boar pigs at Iowa, the highest priced boar in G. W. Roberts' record breaking sale last fall was by Impudence I Know and out of an S. P. sow.

A few of the attractions are: Lail's Special and Fluffy Ruffles by Grand Chief, Meddler's Pet, a full sister to Meddler, Sanoma Girl, a full sister to Indiana, Majestic Lady, the best Med. 2d sow to be sold this winter, all bred to S. P.'s Perf.

Water Pansy 2d by On and On and out of Water Pansy. Evangeline by S. P.'s Perfection, out of Chief Perf. 2d dam. Suky by S. P.'s Perf. and out of Sanoma Girl, bred to Impudence I Know.

5 HERD BOAR PROSPECTS.

Kansan, is by S. P.'s Perfection and out of Sanoma Girl.

Jayhawker is by S. P.'s Perfection and out of Meddler's Pet.

Waldo is by Impudence I Know and out of a sister to the dam of Ohio Meddler, champion of Ohio, 1909.

A card will bring you catalog, but none will be mailed without the asking. We want to know who is left in the hog business.

Auctioneers: Lefe Burger, J. M. and E. A. Clark.

F. A. DAWLEY, WALDO, KAN.

ROCK BROOK FARMS

4th Annual Sale of

Registered Holstein

Freisian Cattle

125 head of all ages including 50 cows and heifers in milk or soon fresh, 25 heifers bred to calve in spring and summer, 25 heifers under 1 year old and 25 bulls from 4 months to 2 years old.

Included in the females are, Dora Ricka Priscilla 73423, who won the Nebraska Dairymen's Association test of 1909, making over 15,000 pounds of milk and over 600 pounds of butter in one year. A number of A. R. O. cows and daughters of A. R. O. cows, cows in calf to noted eastern bulls, and heifers sired by some of the best bulls of the breed.

The bull offering includes sons of such noted sires as DE KOL 2D'S BUTTER BOY 3D, KING OF THE PONTIACS, KING SEGIS PONTIAC, SUNNY JIM, THE MILK AND BUTTER KING 2D, and others.

In all this will be the grandest lot of Holstein cattle ever sold in the middle west. Every animal guaranteed a breeder.

Send for catalog.

Sale will be held in the Steam heated Sale Pavilion at the Union Stock Yards

SOUTH OMAHA, NEB.

Tues. & Wed. Feb. 8 and 9, 1910

**HENRY C. GLISSMAN,
STATION B. OMAHA, NEB.**

Col. R. E. Haeger, Col. R. M. Adkins, Col. F. P. Zaun, Auctioneers.

LIVE STOCK



The Great Percheron Sires.

This question is proposed by S. P. Z., Sterling, O.:

"I would be pleased to know what are considered by common consent or by the best judges, to have been the greatest Percheron sires, both in France and in this country."

In answering this question it may be well to start with what seems to be the first sire of note in the history of the Percheron breed of horses, Jean Le Blanc (739), and trace his descendants down to more modern times. His son Mignon (715) got Coco (712) sire of Vieux Chaslin (713). Here we have a stallion that produced two sons Coco 2d (714) and Favori 1st (711) each of which seems to have been a great sire. The majority of the best individuals and most successful breeders have descended from these two stallions, writes Mr. A. F. McKee in Breeder's Gazette.

It is quite evident that Coco 2d (714) has achieved the most renown as a sire; from him the world-famous Brilliant family has descended. He sired Brilliant (756), sire of Brilliant (755). This horse has for his dam a daughter of Favori 1st (711) which is a half brother to the grandsire of Brilliant (755). The world knows well what a great sire this union produced.

Fenelon (38), a son of Brilliant (755), also had an infusion of Favori 1st (711) blood, his dam being by a son of that horse. The two families seem to have nicked well. Brilliant 3d (2919), a son of Fenelon (38), dam by Brilliant (756), is acknowledged by many to be one of the greatest sires ever known in the Percheron breed of horses and they consider it a pity, yes almost a crime, that he was not given an opportunity to make himself more useful in the stud. He gave us Besigue (19602) and Blande (36577), two outstanding sires. From these we have Theudis (40871), Calypso (25017), Victoria (42905) sire of Pink (47513), Faust (42551) sire of Radziwill (44228). In passing, it may be noted that the sire and dam of the champion stallion Carnot (66666) trace to Brilliant 3d (2919). To the Brilliant (755) family also belong Gilbert (461), Aiglon (8187), Baccarat (18639), Introuvable (24146), Voltaire (443), Marathon (10386), Seducteur (7057), Briard (1630), Villers (8081), Monarque (2428). All were sires of note. Brilliant (710) and Madere (772), by Brilliant (756), also gained notoriety in the stud.

To Coco 2d (714) we can credit also Vidocq (483) sire of Nogent (729).

From Favori 1st (711) has descended a family of Percherons also noted for prepotency in a great degree. These when crossed with the descendants of Coco 2d (714) have produced elegant results that it is believed have done much toward preserving the good old standard of the breed. To this branch belong Superior (454), Utopia (731), Iago (768), Fava (725), Philibert (760) and Duke of Perche (173), sire of the dam of Fenelon (38).

From Vieux Chaslin (713) there is another branch through his son Valentin (5301) by which we have Il-derim (5302), French Monarch (734) and Fava (765).

Picador 1st (73330), by Bayard (9495), by Estraba (796), by a son of Jean Le Blanc (739) has been quite a factor in the Percheron breed.

The writer does not assume to have named all the great sires in this article. Many more could be added, but a hope is entertained that it will aid the inquirer to gain the information desired.

Curing Meat at Home.

There are some farmers who do not cure their own meats but depend upon the packing house product for supplies. While these are excellent and to many superior to the home cured product, it is true that a great many prefer home cured meats because of their superior flavor. To such the following from a Indiana farmer may be of special interest and value:

Meat for the farmer's table should be hung up in a cool place as soon as the animal is killed, and left hanging until all the animal heat has escaped. When it has hung until entirely cooled take it down and cut into convenient pieces; trim the hams and shoulders nicely and cut the sides of pork into square or oblong pieces. Beef that is to be dried should be cut from the hind quarter in such a way that it may be sliced across the grain. Use the lean trimmings for mince meat or sausages, and the fat render into lard.

Sprinkle the hams, sides, and shoulders with salt, and put in a cool place for about 40 hours; after this pack them in a clean barrel or box and cover with a pickle made in the following manner: To a gallon of water add one and one-fourth pounds of salt, two-thirds of an ounce of saltpeter, and a teaspoonful each of black pepper and common baking soda. Enough of this pickle should be made to cover the meat, heat it to the boiling point, skim it, and set away to cool. When cold pour it over the meat.

In curing beef the same pickle may be used but need not be treated with saltpeter before packing. Large hams and shoulders should stay in the pickle six or eight weeks. Sides and beef do not require so long a time. When the meat has become salty enough put that intended for drying and smoking in the smoke house.

Never put meat of any kind in the pickle until all blood is removed. Beef and pork should never be packed in the same box.

When the meat is dried or smoked enough, tie up in paper bags and put away in some safe place away from rats and mice. As warm weather approaches the meat that was left in the pickle must be carefully watched and when any signs of souring show must be removed, washed and placed in a new pickle.

Beef Sausage—Cut the lean meat with a very little fat into strips suitable for the sausage-grinder and season with salt, pepper and sage. Add one pound of well cooked ham or bacon to five pounds of beef, stuff in small bags made of cloth. If thoroughly smoked it will keep well up into the summer.

Pork Sausage—Prepare the meat as for beef sausage, using more fat with the lean meat. A little lean beef may be added to the pork, if wanted.

Head Cheese—The head, after being well cleaned, may be made into cheese. Put the head in a kettle with water enough to cover and a little salt. When the meat has been cooked until it will slip from the bones place it in a wooden bowl and

Horse Secrets How to Win at Horse Trading

We can teach you how to detect the tricks of horse trading. Then when you know the points of an animal you can be sure when you are making a good trade.

A gyp can make your horse go wrong and act mean, while you are looking, as well as make a broken-down, spavined animal seem in good condition. Such simple things as melted butter, flaxseed, or even a horse-hair have changed the trading value of a horse many dollars.



You can learn scores of tricks, to protect yourself from swindlers, from HORSE SECRETS, an expose of the tricks and dopes used by gyps and peddlers. It also discloses many secrets heretofore carefully guarded, and explains the methods of reputable horsemen.

"Horse Secrets" is sold only with FARM JOURNAL five full years—both for \$1.00.

What is the Farm Journal?

Well, it is the foremost farm and home monthly in the world; 650,000 paid-in-advance subscribers; overflowing with farm wisdom; a woman's paper, too; clean and cheerful; free from medical, deceptive, or nasty advertising of any sort; a faithful, helpful friend to everybody, village or country. Unlike any other paper.

If you send \$1 within ten days, we will include (free, for promptness) "Poor Richard Revived," our splendid new Almanac for 1910.

FARM JOURNAL, 1028 RACE ST., PHILADELPHIA, PA.

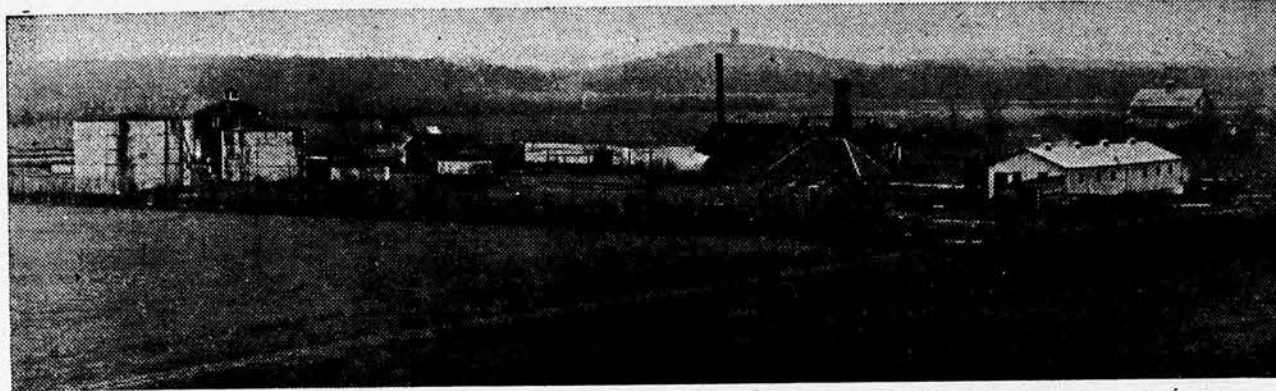
A Straight Business Proposition

You have often heard and read of the Kan-O-Tex Refining Co. You probably have seen our tank cars passing through your home town. This company, with hundreds of thousands worth of assets back of it, has a plain business proposition to make you.

With A Guaranteed Income.

—the man who has foresight and good judgment. You will have to act quickly if you get this bonus. The stock alone would be worth two or three times what you pay for the bond,

Young man, it is much easier to draw the \$60 annual interest on a \$1,000 bond, than it is to draw a \$60 pay check. Let money work for you. You will have to act at once if you



The recent merger of the Superior Refining Co., Longton, Kansas, and the Caney Refining Co., Caney, Kansas, produced the Kan-O-Tex Refining Co., with a business that has already outgrown its equipment. For this reason we are placing a \$100,000 bond issue on the market. The money derived from the sale of these bonds is to go into still further improvements—more tank cars, a new wax and lubricating plant, more oil leases, improvements on both our large plants, more distributing stations, etc., etc. These bonds are a first mortgage on more than \$325,000 worth of actual assets. They run 15 years, and draw interest at the rate of six per cent, payable semi-annually.

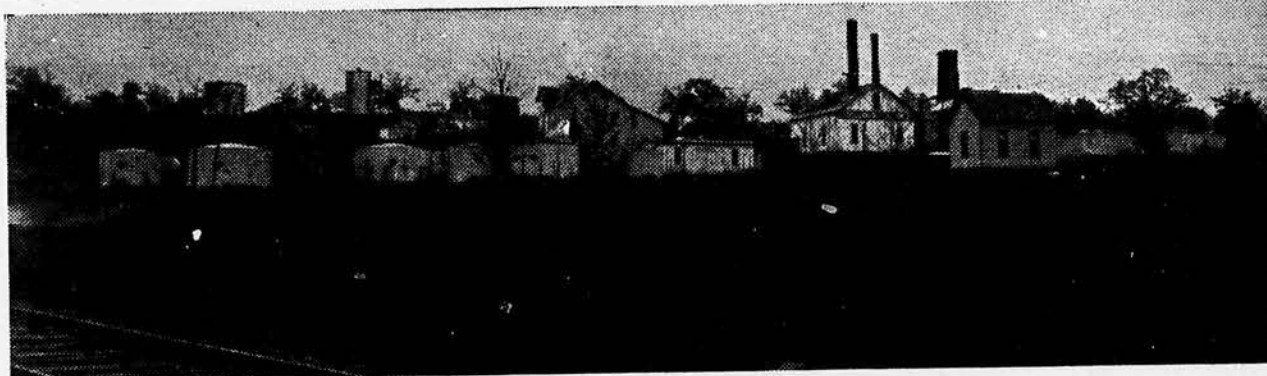
SPECIAL OFFER.

To the purchasers of the first \$25,000 worth of stock, we will issue \$250 worth of common stock for each \$500 bond, and for every \$1,000 bond, we will issue \$500 worth of stock. The man who gets there in this world, is the man who thinks and acts quickly

Caney Plant of the Kan-O-Tex Refining Co.

before the bond matures. And the bond draws six per cent interest payable semi-annually, and is absolutely secured by a first mortgage on more than \$325,000 worth of property.

want to get a share in our company gratis. If you will send us or, if you prefer, the Caney Valley National Bank, Caney, Kansas, or the Home State Bank, Longton, Kansas, a de-



Longton Plant of the Kan-O-Tex Refining Co.

posit of \$100 on each bond you wish to purchase, we will reserve the desired number for you, carrying with them the stock bonus. If, after careful investigation you do not wish to invest, your money will be returned to you without question. We refer you to the Kansas Farmer as to our reliability, and will give you other references, if you desire them. Our officers are composed of such men as John McE. Ames, New York City, president, widely known head of the mechanical department of the American Car and Foundry Co.; Duke A. Rogers, vice-president and manager, well known as a successful oil man; Chas. Radloff, assistant manager, one of the best oil men in the country; Frank Heilig, treasurer, former banker; others intimately connected with this industry are Ed. S. Dorrance, formerly in the oil business at Titusville, Penn.; Allen W. Atterbury, capitalist, and Robt. Scott, cashier First National Bank, Wamego, Kansas.

We have prepared a prospectus, containing much "boiled down" information. We want you to have a copy. To what address shall we send it?

The time to do a thing is now. Write us today, or you will forget it.

Kan-O-Tex Refining Co.,
"Truly Independent,"
Caney, Kansas.

chop fine. Season highly with pepper, salt and sage.

Pigs Feet Souse—Clean the feet and cook in salted water until tender; put this in a dish and cover with three-fourths vinegar and one-fourth water in which they were boiled. Season with a little pepper, allspice and cloves. Keep in a cold place.

Don't Have a Blind One

**Wonderful
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MOON BLINDNESS
and all Diseases of the Eye
successfully treated with
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Money Back if it fails to cure. \$2.00 per bottle postpaid on receipt of price, Visio Remedy Ass'n, Dept. 9, 1833 Wabash Av., Chicago, Ill.



Seals and Live Stock.

Ever since Alaska was purchased by the United States Government, it has had the reputation of being a desolate waste of icy mountains and forests, which are incapable of producing anything except wild game on the land and seals in the ocean. Professor C. C. Georgeson, who was formerly professor of agriculture in the Kansas Agricultural College, and who is now special agent in Alaska of the United States Department of Agriculture, has been experimenting in agricultural and horticultural lines for several years in that territory.

Mr. Georgeson enthusiastically says: "Each passing year adds proof to the proposition that Alaska has potential resources for the support of a large population.

"The conditions are unique, however. The farmer in Alaska cannot plow and plant with the same assurance that he will harvest a crop that

he can below latitude 49 degrees N. Alaska is on the borderland of possibilities. Success and failure are about evenly balanced. Nature is stern and uncompromising and we must submit to the conditions she imposes. To learn what these conditions are and how to meet them; to find out what can be grown and how to grow it; to develop suitable varieties of useful crops; to adapt domestic animals to nature's demands; and to push the line of successful agriculture to the border of the Arctic Circle is the object of these investigations."

"The sheep, which have again increased over 100 per cent this year, are doing excellently. Of late years there has seldom been any loss among the sheep from any cause. The lambs are large and strong and have made a wonderful growth. Wool from this herd brought 2 cents per pound above the market price in Seattle. It is free from dirt and is of fine texture.

Practically no feed was given the herd the past winter, there being good grazing on the low lands for most of the winter.

"It will be a simple matter to put up enough hay for sheep any year, and they thrive in weather when cattle must be fed. There is much less care required in handling sheep than cattle, and they seem well suited to the country."

KENDALL'S SPAVIN CURE

Never failing cure for Spavin, Curb, Splint, Ringbone, all Lameness. Also a great family liniment. \$1 a Bottle; \$5 for \$5. Ask druggists. "Treatise on the Horse" free at drug stores or address Dr. B. J. KENDALL COMPANY, Enosburg Falls, Vt.

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DEATH TO HEAVES
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Guaranteed or Money Back.
\$1.00 per can, at dealers, or Express Paid, 15 lbs. Sale.
THE NEWTON REMEDY CO.,
Toledo, Ohio.

DUROC JERSEY BRED SOWS AT AUCTION SUPERIOR, NEB. WEDNESDAY FEBRUARY 9.

40 HEAD — CAREFULLY SELECTED FROM TWO HERDS — 40 HEAD

Consisting of 15 richly bred and valuable tried sows and 25 spring gilts that are the actual tops of two herds. Every one is of the most fashionable breeding and combines quality and size to a remarkable degree. This is without doubt one of the top offerings of the season. Listen, the tried sows are by Ohio Chief, Belle's Chief, Lincoln Top, Pearl's Golden Rule, Pilot Chief. The gilts are out of these sows mostly and sired by Pilot Chief, Col. C., Red Diamond and Valley Chief. Everything is bred for early farrow to Pilot chief, Col. C., Prince Wonder 2d and Crimson Boy. For a catalog address

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PUREBRED HOLSTEIN CATTLE

A pure bred Holstein cow holds the world's championship for yielding 28.44 lbs. butter-fat in 7 days. This test was made at the Cornell Experiment Station. This kind of information should point out to you that for dairy supply you should look carefully into the merits of the wonderful milk-producing Holstein as a means of increasing the profits of your dairy. These cattle are rugged and healthy; of large stature, and will thrive on less care than other breeds. Why not investigate them?



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Suppose your house caught fire—what good would an ordinary lift pump do? If your water supply is impure, now can you prevent typhoid and other dread diseases?

An absolute protection in both cases is to invest in a deep well and a reliable force pump.

DOUBLE ACTING Red Jacket FORCE PUMPS

are always ready and never fail—they form an efficient farm fire department, whether operated by hand, windmill or gasoline engine. They possess exclusive, patented Red Jacket features, enabling them to throw more water, easier and farther than other pumps.

They are made by the largest exclusive pump manufacturer in the world—the perfected result of years of experiment by pump experts.

Red Jacket double acting Force Pumps are the only pumps in the world which can be fixed in a few minutes, with just a monkey wrench and without tearing up the platform or removing the pump from the well.

They are called "So-Easy-to-fix" pumps.

They have many other admirable features described in our booklet.

YOUR WATER SUPPLY



Pumps and their
Possibilities

Red Jacket pumps are sold by leading pump dealers. Write today, giving name and address of your dealer, and we will mail you interesting booklet, "Your Water Supply."

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Manufacturing
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Largest exclusive
manufacturer of
pumps in the world.

NEW SEED OATS Big Money in Oats



New Seed Oats. Big money in oats if you raise the right kind. Here's your chance to get them. Imported Canadian Seed Oats for sale; extra fine. Send for free sample. It speaks for itself.

This same oats we sold last year in the United States and proved their merit and our statement that the farmers need a change of seed in this country.

We make a specialty of growing extra fine seed oats on our big Canadian farm; new, clean land; no weeds. Have best known varieties. Regenerated Swedish.

Select went 116 bushels to acre this year; Early New Market, Canada's favorite, 110 bushels to acre. Both of these are big early yielders. I believe it will pay you to get a change of seed. Try some of these oats.

The average oats are inbred and run out. Canadian Government Grain Inspector graded this grain No. 1 White. Have stiff straw, white berry, thin husk, enormous yielder. It is as easy to put in and harvest a big crop as a small one. The reason your oat crop is not bigger is because your seed is run out. This has been proven. Look at this cut. Taken from photograph of two stalks from Galloway Brothers' field, over 200 kernels to the stalk. Write early for free sample, or, send ten cents for packet.

Will also send you free booklet entitled "Big Money in Oats and How to Grow Them," by Galloway Bros. and Prof. M. L. Bowman, former professor of farm crops Iowa Agricultural College. Information in this book is priceless. Get it free.

GALLOWAY BROS., 382 Galloway St., Waterloo, Ia.

HORTICULTURE



Briefly putting it, there is money in pecan growing, for the one who knows his business and takes care of his trees. The careless and ignorant man, who thinks a pecan tree should be set and cared for as a post, can find other methods for throwing away his money that are just as satisfactory.

Community of interest is common and is growing more so each day. It is a very common thing for horse associations to own a stallion in common. It is not unfrequently true that larger pieces of farm machinery like thrashing machines are owned in common, while co-operative dairies are still to be found in some states. This suggests that it might be the part of wisdom for farmers in a community to buy and use a power sprayer for the preservation of their prospective fruit crops. It is generally admitted that spraying offers the only solution of various insect and fungus problems, and farmers who know this are frequently prevented from taking advantage of their knowledge because of the ineffectiveness of small spraying machines and the high cost of power sprayers. Such sprayers can not be used for any considerable length of time during a given year and their ownership means the tying up of capital that might otherwise be used to advantage in other directions. If two or more neighbors should join together, however, and buy a power sprayer, neither would feel the expense and all would be benefitted. There is a growing belief that winter spraying is of immense value in saving the fruit crop of the ensuing growing season.

Protecting Trees Against Rabbits.

The New Mexico Experiment Station recommends two methods of protecting the trunks of young fruit trees against rabbits. One is to wrap with paper, tying the wrapping on with cord. Old newspapers can be used in this way. The danger of their use is that they may be torn by the wind during the winter, leaving a part of the trunk exposed.

A protecting wash for the trees is made by adding arsenate of lead or Paris green to a thick lime whitewash. Make the whitewash in the usual manner, except that it is rather thick. Add one-half pound of arsenate of lead to each pailful of the wash. Better dissolve the poison so that it will be thoroughly mixed. Apply this wash with an ordinary paint brush. One-half pound of Paris green may be substituted for the arsenate of lead if desired.

Still a third way to protect the trees, and one which is quite common throughout the middle west, is to use wooden veneer wrappers about the trunks. These are cheap, effective and by removing them carefully they can be made to do duty for several years.

Spraying Conclusions.

Prof. Gossard, of the Ohio Experiment Station, sums up the results of his experiments in spraying as follows:

1. Orchards sprayed with lime-sulfur wash in winter do not need treatment with Bordeaux mixture before blossoming, unless this ingredient is omitted from the spray applied just after blossoming.
2. Very heavy applications of combined spray (Bordeaux mixture and arsenate of lead) within a week or ten days after the blossoms fall will do much to give a high percentage of sound fruit, but in cold wet seasons, and we may discover in all seasons, it russets the fruit, diminishing its value for fancy markets.
3. By omitting Bordeaux from the first treatment after bloom and using only a heavy spray of arsenate of lead, it may be possible to secure a high percentage of sound fruit reasonable free from russet. This procedure is worthy of experimental trial.
4. If Bordeaux is omitted from the treatment just after bloom as sug-

gested in 3, it would probably be best to use it before the bloom after the leaves are expanded, and again in the second spraying after bloom. Observation alone can determine whether it should be used in the July spraying. If the leaves are yellow and falling at this time leave out the Bordeaux.

5. The third spraying should be given by July 15 or earlier in northern Ohio. Southern Ohio needs a date about two weeks earlier than the northern part.

6. Trees should be sprayed at least two or three times to secure best results. Some growers make five applications or more.

7. The net profit from spraying an average sized tree from twelve to twenty years old throughout one season at a total cost of from 30 to 50 cents is from \$3 to \$7 or more, when apples are worth \$1 per bushel.

8. The essentials for success are a good spraying outfit, making the applications at the right time, and thorough work.

Teach Farmers' Wives to Cook.

During the last few years this editor has attended many farmers' institutes to talk about live stock feeding, the preparation of balanced rations, etc. Not until a year ago did we have opportunity to hear a lady talk to farmers' wives about the proper preparation of the best foods for their families. We are convinced that there are greater needs for the better feeding of our families than of our live stock—at least the necessity is as great.

The teaching of domestic science on a broad scale may be undertaken by the federal government as the result of representations that have been made to Congress by the National Pure Food Association. This organization wishes the government to conduct investigations of the best methods of food preparations and dispense information and instruction upon the subject as done on matters pertaining to crop cultivation.

The secretary of this association recently appeared before the committee on agriculture and asked that an appropriation be made to provide for such investigations and the dissemination of the information obtained. The Senate committee already has voted money for such an appropriation.

It was pointed out that the government is doing much for the farmers through the Department of Agriculture, but practically nothing for the farmers' wives. The latter need instruction in the selection and preparation of foods quite as much as their husbands do in the handling of soils and crops.

A farmer recently expressed his disapproval of the gasoline engine on the farm because of his belief that it tended to make the boys lazy and tempted them to shift work from their shoulders. This is the wrong view of the case. Farming under the old methods

SPRING SILKS

New Foulard silks of exceptional quality—23 inches wide—a soft, twilled fabric, very serviceable and very stylish for spring—in all the new geometrical patterns, and a wide range of colorings.

We would like to send you samples. Please give us your address.

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EARLY YELLOW ROSE—Best for Kansas. Matures earliest, makes biggest yield. We pay freight to Mo., Kan., Okla., and Tex. on 100 lb. lots. Finest seed \$3.85 per 100 pounds. Also Armstrongs Sahamander (Big Early White) and Big Early Calico \$4.45 per 100 lbs. Large pkt. 10c. Sample ear 25c. Catalog free.

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Shenandoah, Iowa.

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Plant Barteldes "Sunflower Brand" Alfalfa, clover and other farm seeds. Pure, fresh and of high fertility. Write for catalog. Our garden seeds are unexcelled. Booklet, "Alfalfa," Free.

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Inventors with ideas communicate with us. We secure and promote patents. Free booklet. PATENT DEVELOPMENT CORPORATION, Dime Savings Bank, Washington, D. C.

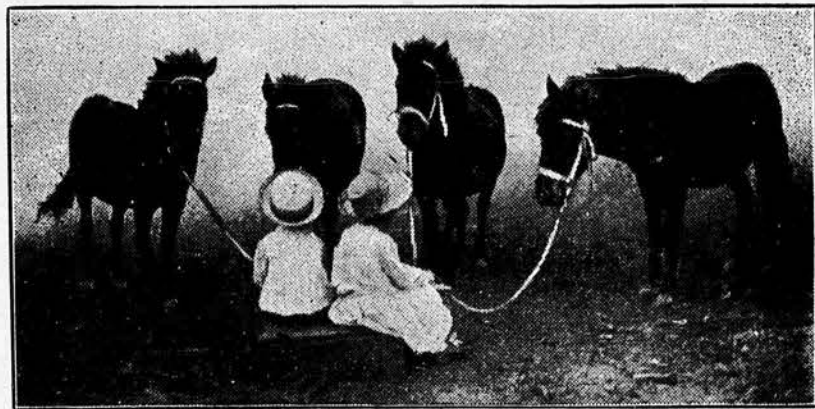
was unquestionably monotonous, and its processes were slow. At the present day, when farming becomes so much of a commercial proposition, it is necessary for the farmer to keep abreast of the times and in doing this he must have machinery. The old methods are too slow for modern farmers. Farming is now done with brains more than was possible in the old days. The use of up-to-date farm machinery is one of the strongest incentives that can be had to keep the boy on the farm. If his interest is there his home will be there, and he can not be expected to center an interest in the farm when life upon it means nothing but drudgery, as it formerly did.

Why I Breed Draft Horses.

(Continued from page 1.)

I think a hay barn will pay from 20 to 30 per cent yearly on the investment and I have found hay damaged in the stack is liable to give horses the heaves.

In closing I will say that I am raising draft horses for the money there is in it, and because I like the horse and circumstances seem to justify me in doing it. I look for this country to take the lead some time in the world in the business of raising draft horses, and for the state of Kansas to be in the front rank among the other states, for she has the feed and climate and breeders who seem disposed to push to the front.



Clarke Bros., of Auburn, Neb. are importers and breeders of Shetland ponies, some of which are shown in the accompanying picture. They now have for sale a fine bunch of well bred, imported stallions that are excellent individuals. Some of these were prize winners in Scotland before they were imported and all of the imported ones were selected as being the best in the is-

lands that cash would buy. The policy of Clarke Bros. is to sell quick, even though they make barely a profit. They now have stallions at from \$150 to \$250 which are sure money makers and, the owners think, better money makers than draft stallions of many times their cost. There are also a few mares for sale though not many as they prefer to keep them for their increase.

The Northern Pacific Railroad reports a list of 116 distinct varieties of products, covering the whole field of grains, grasses, fruits, flowers and vegetables, grown on a single 160-acre farm without irrigation in the Panhandle of Idaho.

There are at least seven good reasons for destroying weeds in growing crops. A part of this work can be done by raking and burning weeds before plowing. The reasons are: 1. They rob soil of food; 2. Choke out the crops. 3. Increase the cost of every farm operation. 4. Some are injurious to stock. 5. They reduce the value of property. 6. Attract and harbor injurious insects and fungous diseases. 7. May reduce crop 50 per cent.

Ensilage as Compared with Other Roughage.

Prof. A. L. Haecker of the Nebraska Agricultural College estimates the feeding value of corn ensilage as follows:

One ton of ensilage equal to one ton sugar beets.

Three tons of ensilage equal one ton clover hay.

Three and one-half tons of ensilage equal one ton alfalfa hay.

Two and one-fourths tons of ensilage equal one ton marsh hay.

Three and one-half tons of ensilage equal one ton prairie hay.

One-half ton of ensilage equals one ton pumpkins.

Below he gives his estimate of the cost of putting up ensilage and hay and the number of cubic feet occupied by each:

One ton of ensilage cost to put up 63 cents one ton of hay cost to put up \$1.50, one ton of ensilage occupies 50 cubic feet, one ton of hay occupies 500 cubic feet.

To this statement he adds the following:

It will be seen that ten times more space is required for hay than ensilage, and I do not believe it possible to construct even a cheap hay shed, to say nothing of a barn, for the price required to store the same quantity of ensilage. With the ordinary hay loft in a good dairy barn, the cost of storage space would be three times that of the silo. The table also gives a comparison between the cost of harvesting corn ensilage as compared with hay. It will be seen that corn ensilage can be put up for almost one-third the cost of hay. These figures do not allow for interest on money invested in machinery or storage. While hay is about three times richer in food elements, it is still an expensive roughage as compared with ensilage.

Until the feeder can find a food equal to corn ensilage for even twice the cost, he had better seriously consider the silo. Under present conditions, I believe that one-fourth of all the farmers keeping stock in the corn belt will find the silo an economic equipment. An acre of corn put in the silo I value at \$55, while the same corn standing in the field and husked in the usual manner I value at \$27. This is accounting for all cost of harvesting. Then an acre in the silo is worth two in the field, or, putting it another way, the silo doubles the value of the corn crop.

Improving Kansas Orchards.

The time is now at hand when the farmer should give his fruit trees, vines, etc., some attention in the way of pruning and fertilizing. It has been my observation that comparatively few farmers have given their fruit trees proper attention. So many failures have been recorded the last few years that many orchardists have become discouraged and in many sections of the state they are removing fairly good orchards, the owners being of the opinion that the same land planted to corn, alfalfa, etc., will return them more money. Possibly this is true in individual cases but it will be found in general that it was a corn or alfalfa man who had attempted to grow apples and had failed.

Had the grower given the care to his orchard that would be necessary to the successful growing of corn or alfalfa the chances are that different results would have been obtained. A great many farmers were impressed with the large returns that some of the pioneer fruit growers secured fif-

teen to twenty years ago and jumped blindly into the orchard work. They gave little attention to choice of varieties, location of orchard and other things, equally important to successful orcharding. Others planted a much larger acreage than they were able to care for, the result being a ragged, unkempt orchard. Again as the country became more thickly settled we have imported nearly all the insect pests and fungus diseases that are known so that if we are going to raise the kind of fruit that brings the best price we will in future be obliged to pay some attention to the conditions previously noted as well as the latter.

Experiments carried on by the agricultural department and state experiment stations have demonstrated beyond doubt that from 75 to 90 per cent of perfect fruit can be grown if the proper precautions are taken. Practical growers throughout the country who have practiced spraying are almost a unit as to its value; in fact perfect fruit cannot be grown any other way.

The past season the late freezing weather eliminated most of the apple crop, yet notwithstanding this, we find that some few growers had fairly good success. One orchard that the writer knows of in Jewell county produced some very fine Jonathans. Another in Leavenworth county (17 A.) produced 10,000 bushels of York that sold for good prices. Many others in various parts of the state did almost as well.

All told, the country probably produced several million barrels, some writer places it as much as twelve million more the past year than in 1908, yet the price of apples is as high as it has been in recent years. If all the orchards in our state were well treated and cared for the apple industry would mean several million dollars annually added to our wealth.

The extension department of the Agricultural College believes that much can be done toward rejuvenating many of the orchards in the state and is prepared to assist individual growers in various parts of the state by correspondence or by personal visits to the orchard. Growers who may be interested should send in their name for the orchard blank which will be furnished free. Problems that are of such a nature that they cannot be solved from the information returned on the blank may require a special trip to the orchard, in this case the owner will be expected to pay the actual expense of the expert. This may be considerably lessened if the grower will send in his application in advance so that several orchards may be visited on the same circuit, in which event the expense will be prorated. Applications should be sent to the Extension Department, K. S. A. C., Manhattan, Kan.—C. V. Holsinger, Institute Assistant in Horticulture, Kansas State Agricultural College.

Improvements in Corn Planters.

Great improvements have been made in the corn planter. Time was when the round-hole flat drop was pretty good, and by the way, it's good now. Well, some inventor thought that the grains being more nearly uniform as to thickness than they were as to size when laid flat, that the planting of the corn on its edge was best. What we want with a corn planter is a machine that will drop just as many hills with three grains to a hill as possible. Some farmers buy the edge drop and then wish they bought the flat drop; some purchase a flat drop and then mourn because they didn't buy an edge drop. The man who buys a Superior Corn Planter doesn't need to mourn, because he has both systems at the price of one. The planter has so many new and proven features of merit that it is impossible to tell all about them here. The Planter has been thoroughly tried out in all sections of the United States where corn is grown, meeting with the unqualified endorsement of all users. It is made by the same people who manufacture the world-famous Superior Grain drill, and it is safe to say that the quality went into this corn planter to make it worthy of its name. Write to the manufacturers, the American Seeding-Machine Co., Incorporated, Springfield, Ohio, for full information about the Superior Corn Planter. Then go to your implement dealer and insist on seeing the Superior. It is fully guaranteed and must do all that its makers claim for it.



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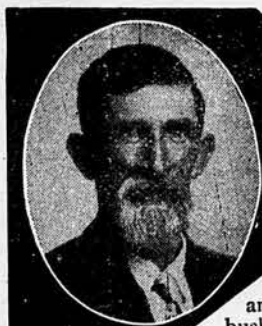
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THE FARM



Ordinarily clover has about 8 per cent of protein and alfalfa about 12 to 14, yet at the National Corn Show at Omaha there was on exhibition some samples of clover that had been grown by seed breeding that showed 27.7 per cent of protein. What wonderful possibilities are yet ahead of the farmer who mixes brains with his business.

A farmer in Illinois reports that he plowed under a crop of clover for which he had been offered \$4 per acre as it stood in the field. This was second growth clover and stood knee high when it was plowed under, about the middle of May. He considered this clover worth more as a fertilizer than as a crop and his judgment would seem to have been verified as he raised 75 bushels of corn per acre that year.

In the Indiana exhibit at the National Corn Show, which was held at Omaha last December, there were shown two photographs. One of these was taken in a corn field which had received no cultivation after planting and which yielded less than three bushels per acre. The other was taken in a field that was cultivated four times and yielded 50.4 bushels per acre. The purpose was to show the effects of weeds.

Kansas soil is very rich with the accumulation of ages of grass and other growths which have not washed out but, prior to settlement, these growths were not as heavy as they have been since that time and, constant and heavy cropping has made itself felt. The plowing under of green crops and especially of legumes such as clover or alfalfa, adds immensely to the humus of this soil and its effect will be noticeable at once and for years afterwards.

The plowing under of green crops has a mechanical effect on the soil that is most valuable, not only does alfalfa so treated add immensely to the humus and to the fertility of the soil but it causes a porous condition which serves to admit both air and water among its particles. Air assists in the decomposition of the minerals of which plant food is partially composed and aids in the growth of useful bacteria while water is not only necessary to plant growth but it is the greatest solvent known to science.

Even the renter can afford to manure the land he farms. Too many men who rent land feel that the hauling of manure upon it will only work to the benefit of the owner or some subsequent tenant. If the renter remains on the place but one year he is right, in part, but if he works in harmony with his landlord they should both see that it is disastrous to each to make yearly leases only.

The Capacity of Silos.

In building a silo the farmer is frequently in doubt as to the size necessary for his needs. Without previous experience he has no means of knowing how much a silo of a given size will hold, or whether it will contain sufficient silage for the maintenance of his live stock. It has been found by experiment that wintering calves, about 8 months old, require from 15 to 25 pounds of silage for a daily ration. Wintering breeding cows, from 30 to 50 pounds. Fattening beef cattle, from 18 to 22 months old, in the first stage of fattening, from 20 to 30 pounds, and in the last stage of fattening from 12 to 20 pounds. Dairy cattle require 30 to 50 pounds, and sheep from 3 to 5 pounds according to condition and age.

In determining the size of his silo, the farmer should first find the total amount of ensilage necessary for his entire herd, and build accordingly. For instance, if he has a herd of forty dairy cows and feeds them at the rate of 40 pounds of silage per head each day, a silo 16 feet in diameter and

28 feet high will be sufficient. Such a silo would require 7.2 acres of well matured corn to fill, counting at the rate of 15 tons to the acre. This would mean a total of 108 tons, and would allow of 1,340 pounds being used every day for the feeding of the herd. It is wise to remember that the cheapest form of construction is the one which increases the height rather than the diameter of the silo. A silo 16 feet in diameter and 30 feet high will contain 119 tons of ensilage and will require 8 acres of corn to fill at the rate of 15 tons to the acre. While if the same silo be built to a height of 40 feet it will contain 180 tons or about one-half more, and will furnish 1,340 pounds to the daily ration for the herd, if the surface is only lowered two inches per day. A small silo 10 feet in diameter and 28 feet high will hold 42 tons of ensilage and will require 2.8 acres of corn to fill and allow 525 pounds for the daily ration of the herd.

Right here a word of caution is perhaps advisable. Stave silos are the most popular, although there are many other forms that are useful. A stave silo, however, requires more care for the reason that when the upper part has been emptied of its ensilage, and the moisture removed, it is likely to dry out and shrink. The same is true of the entire silo when emptied. This means that it will be necessary to tighten the hoops on the silo whenever loosened by shrinkage, and to see that it is protected against damage by wind storms by the use of guy wires. Of course, if the joints in a stave silo are leaded, and the outside is painted, the danger of shrinkage is reduced. Very many stave silos in this community have stood for years without the use of guy wires.

Dodder in Alfalfa Seed.

The appearance of dodder in clover and alfalfa fields is generally most dangerous to the crop. The ordinary operations of mowing, raking and hauling tend to spread this troublesome parasite, and with every new center of infection the chances of the crop grow less. A recent circular of the New York Experiment Station at Geneva, describes the injury resulting from dodder in alfalfa fields as follows:

"Dodder is a yellow, thread-like twining weed which is exceedingly troublesome in alfalfa fields. It appears in circular spots 3 to 30 feet or more in diameter. At the center of the spot the alfalfa is killed out, while around the margin the ground is covered with a mat of yellow threads which twine closely about the stems of the alfalfa plants and slowly strangle them. The spots increase in size from year to year. Many fields have been completely ruined by dodder. It is not often injurious to other crops (except red clover) but once established in an alfalfa field it is very difficult to eradicate without killing the alfalfa."

As dodder is usually introduced with clover and alfalfa seed, the purchase and use of dodder-free seed can not be too strongly urged. Clean seed, however, can not always be secured, and therefore cleaning the seed is often necessary. Frequently neither the purchaser nor the seed dealer knows dodder seed, and consequently in many cases the first

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proof of its introduction is the appearance in the field of the weed itself. In view of these facts, the New York station recommends that seed be examined before it is sown to determine the presence of dodder.

Alfalfa seed is larger than dodder seed and advantage was taken of this fact by the station to perfect a method by which commercial alfalfa seed may be made practically free from dodder and safe to sow. It was found that dodder seeds are readily removed by sifting through a wire sieve having 20 meshes to the inch. Since ready-made sieves of this mesh are not readily obtainable, it is advised to construct a light, wooden frame 12 inches square by 3 inches deep and tack over the bottom of it 20 by 20 mesh steel-wire cloth of No. 34 Washburn & Moen gauge wire. This quantity of wire cloth ought not to cost more than 15 or 20 cents. In case brass or copper wire cloth is used the wire should be No. 32 on the English gauge. It is important that the wire cloth used be exactly 20 by 20 mesh, which may be determined by placing a ruler on the sieve or cloth and counting the number of spaces to the inch. With a sieve of this kind it is estimated that a man can clean from three to seven bushels of alfalfa seed per day. From one-fourth to one-half pound of seed, and no more, should be put into the sieve at a time and vigorously shaken for one-half minute. To make the work uniformly thorough the use of a cup holding not over one-half pound of seed and careful timing of the sifting is recommended. If the seed contains but little dodder one sifting may do, but when much dodder is present and particularly if it is of the large seeded kind, two siftings, both made strictly as directed, are advised.

In experimenting with this method it was observed that besides the dodder seeds various other small weed seeds, broken seeds, and dirt, as well as some of the smaller alfalfa seeds, were also removed by sifting. The siftings varied from about one to five pounds per bushel, according to the original cleanness of the seed and the thoroughness of the sifting. The rejection of the siftings is considered as causing but little if any loss.

Terms for Owner and Tenant for Share Crop.

Will you please tell me through KANSAS FARMER what is the usual share to give a man farming where everything is furnished by owner, that is, owner has farming implements, horses and hogs, and wishes to get a man to work for a share of crop. Please tell what is their part to do; also owner's.—A Subscriber, Effingham, Kan.

The problem submitted is rather difficult of solution. In fact it would be impossible to give a definite basis of contract between the parties without a much more intimate knowledge of conditions as they exist. The expenses and risks assumed by the owner are greater in this instance than in the ordinary contract between landlord and tenant. It is usually customary for the tenant to furnish his own tools and horses, and in case of live stock partnership, the landlord and tenant having equal investment in animals kept. This sort of contract would call for an equal division of profits and likewise an equal burden of expense for any extra feed purchased, seed, etc. In cases of this kind the owner has the interest on capital invested in land and buildings to meet, depreciation, repairs and insurance on buildings, besides taxes and half the interest on capital invested in live stock. The tenant has interest and depreciation on capital in tools, horses and half on live stock investment. The tenant's labor combined with interest and depreciation on tools, horses, etc., which it is necessary for him to have in order to make his labor effective would offset the interest, repairs and depreciation on landlord's investment in land, buildings, fences and taxes.

In the case proposed by your correspondent, more of this risk and interest, etc., has been transferred to owner. All the tenant puts into the business is the labor of his hands combined with whatever degree of intelligence he may possess as to best and most profitable methods of performing the various forms of manual labor necessary. It can readily be seen that the kind and degree of intelligence which the tenant possesses and the energy displayed in its application for their mutual in-

terests could have a wide range of value to the landlord. On the other hand, the kind of animals placed on the farm by the landlord, the equipment in the way of buildings, fences, tools, horses, etc., would have an important bearing upon the efficiency of the labor of the tenant. A thoroughly capable tenant might be greatly lessened in value both as to what he could make for himself and for the landlord by meager, inefficient equipment, and from the owner's view point, a heavy investment in tools, buildings, animals, etc., might bring considerable losses to him if the tenant lacked in energy or ability to make the best use of such equipment.

A knowledge of all these things is necessary in order to draw up a working agreement between two parties along these lines. Two fair minded men with full knowledge of all these matters should be able to figure out a plan fair to each, if the Golden Rule is kept constantly in mind by both parties to the contract. Perfect confidence in each other is a necessity in order to have a perfectly harmonious business arrangement between landlord and tenant.

It is my opinion that it is ordinarily desirable for the tenant to have a financial interest in the live stock on the place where conditions are favorable to a lease of more than ordinary duration.—G. C. Wheeler, K. S. A. C.

Fivefold Benefit of Lambs.

Frank E. Smith, of Putnam county, Ill., bought 638 western lambs averaging 61 pounds at \$6.25 in Omaha last August. The middle of September they sheared nearly a dollar's worth of wool per head (sold at 24 cents). Max Whitney and Earnest Mills of the same neighborhood sheared their 920 lambs bought the same time. This wool added much to the profits.

Mixed timothy and blue grass pasture and the oats stubble field furnished these lambs a great deal of cheap feed, and they were turned into the standing corn. They cleaned the land and got few ears of corn at first. Half of these lambs went into 40 acres of second-crop clover and into the corn, farmed in partnership with a neighbor, who put in an equal number. Last year Mr. Griffith paid \$5.85 for 300 sheep. They run in the corn during October, getting little besides the blades, and sold in Chicago at \$6.85, making good profit. The corn yielded 50 to 80 bushels per acre after the sheep had been in it. Wool, mutton, use of cheap feed, making manure and cleaning the land are fine benefits.

Mr. Smith keeps 75 to 100 hogs and six to ten cows, on his home farm of 100 acres. The whole place is manured once in three years; about 10 tons per acre (50 acres are in permanent pasture). Most of the oats are fed as well as the corn. Forty-two acres had more than a half ton per acre of phosphorus applied. These methods enrich the land and insure large yields of grain.

Six acres of good alfalfa were started on this farm in August, sown in a field which had grown 42 bushels per acre of a mixture of spring wheat and oats, which was fed to horses. The stubble was plowed, double-disked, harrowed twice, seeded with alfalfa, harrowed and rolled. An older field of alfalfa, 1½ acres, yielded six tons this season, and eight tons in four cuttings one other season.

The economic entomologists of the country have a very worthy bill now before the House committee on interstate commerce, and also to be introduced in the Senate, providing for the government control of the purity of insecticides and fungicides in much the same manner as the purity of foods and drugs is now controlled. Many letters should be written to congressmen asking them to favor the passage of this bill. It will be passed if they are made to feel that the people want it.

A Marion county, Kansas, manager of large estates reports that a field of wheat after alfalfa averaged 40 bushels per acre, while an adjoining field of equal original fertility averaged but 15 bushels. These results have been duplicated in innumerable instances where alfalfa fields have been plowed and planted to other crops. A Colorado man who farms 1,000 acres, with 200 acres of it in alfalfa, says he cannot afford not to plow up his alfalfa after he has had from it four years' crops.—F. D. Co-burn.

HENDERSON'S SEEDS FREE

To get our new 1910 catalogue, "Everything for the Garden" (200 pages, 700 engravings devoted to vegetables and flowers), send us ten cents in stamps and mention this magazine, and we will send you free in addition, our famous 50c Henderson Collection of Flower and Vegetable Seeds, and will also send our new booklet, "Garden Guide and Record," a condensed, comprehensive booklet of cultural directions and general garden information.

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Reliable SEEDS THE KIND THAT GROW

How and When to Plant Them.

All kinds of Farm and Garden Seeds, Plants, Bulbs, Roses, Vines, Fruit and Ornamental Trees AT WHOLESALE PRICES Small quantities by mail. Safe arrival and satisfaction guaranteed. Buy Harnden's Seeds this year and you will want them next year. Write for large illustrated book and special offer to early buyers. HARNDEN SEED CO., 605 Walnut St., Dept. 11, KANSAS CITY, MO.

TREES THAT GROW

Apples 5c, Peaches 5c, Plums 12c, Cherry 15c. Best quality, good seedlings. Concord Grapes \$2.50 per 100. Forest Tree Seedlings \$1.00 per 1,000 up. We pay the freight. GERMAN NURSERIES & SEED HOUSE, CARL SONDEREGGER, Prec. Complete line of Vegetable, Flower and Fruit Seeds. Our large illustrated catalogue free. Also free Sample packet of "New Coreless" Tomato, the best of all tomatoes. German Nurseries, Box 122, Beatrice, Neb.

Government Reports show that **STRAWBERRIES** yield more dollars per acre and give quicker returns than any other crop. Our Strawberry text book teaches Kellogg's way to grow big crops of big red berries. IT'S FREE. R. M. KELLOGG CO. Box 70, Three Rivers, Mich.

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Our Southern Kansas Seed Corn out-produces corn grown farther north. We have made seed corn a specialty for 10 years. Send to-day for our 1910 Descriptive Book of Seed Corn, Grass, Garden and Flower Seeds of honest quality at lowest prices. ROSS BROTHERS SEED HOUSE, 321 E. Douglas Ave., Wichita, Kansas.

TREES You can save from 25 to 50 Per Cent

buying Nursery Stock direct from me. I prepay transportation charges on every order, large or small. You have no unexpectedly large freight or express bills to add to the cost of your order. The money-saving price you pay me means for trees at your station. All trees guaranteed true to label, hardy, large size and satisfactory. Send for my catalogue and get a list of my Delivered-to-you Nursery Bargains. Better write now. NATIONAL NURSERIES, Box Lawrence, Kansas.

GALBRAITH "NEW LAND" FREE FROM DISEASE GROW FASTER

Nebraska trees thrive best everywhere—famous for heavy fruiting. Apples and Peaches 5c. Catalpa Speciosa, \$2.00 per 100. We sell direct—no agents—save you one-half and pay freight. We comply with all requirements for interstate shipments. Catalogue with special premium offers free. THE GALBRAITH'S NURSERIES CO., Box 32, FAIRBURY, NEB.

WESTERN CANADA

Prof. Shaw, Well-Known Agriculturist, Says:

"I would sooner raise cattle in Western Canada than in the corn belt of the United States. Feed is cheaper and climate better for the purpose. Your market will improve faster than other large crops will produce the supplies. Wheat can be grown up to the 60th parallel (800 miles north of the International boundary). Your vacant land will be taken at a rate beyond present conception. We have enough people in the United States alone who want homes to take up this land." Nearly

70,000 Americans

will enter and make their homes in Western Canada this year.

1909 produced another large crop of wheat, oats and barley, in addition to which the cattle exports was an immense item. Cattle raising, dairying, mixed farming and grain growing in the provinces of Manitoba, Saskatchewan and Alberta. Adaptable soil, healthful climate, splendid schools and churches, and good railways. For settlers' rates, descriptive literature, Last Best West, how to reach the country and other particulars, write to Sup't of Immigration, Ottawa, Can., or to the Canadian Government Agent.

J. S. CRAWFORD,

125 W. 9th St.,

Kansas City, Mo.

(Use address nearest you.) (6)

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\$75.00 monthly paid graduates. Few weeks qualifies. Wonderful demand for barbers. Tools given, board provided. Write nearest Branch for catalogue. Moler System of Colleges, Kansas City, Mo., or Dallas, Tex.

A Cheap Way To Insure Healthy Hogs

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

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

How To Prevent And Cure Worms and Cholera

Here's a simple, sure, safe way to keep your drove in a perfectly healthy condition and render them immune to contagious diseases:

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

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

Take No Chances!

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

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

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

The Cost Is A Trifle

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

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

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

Ask Your Dealer For "Merry War" Lye

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

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

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

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

An All-Purpose Plow!

Think of this—one single plow, suited for all soils, all conditions, all purposes—a Universal Plow. Implement makers for 40 years have tried to make it and failed. WE HAVE SUCCEEDED. A year of field testing has proved it to ourselves and hundreds of enthusiastic farmers.

Think of this—a plow that will turn over SOD without kinking—turn under STUBBLE of any kind and not leave a bit of trash showing—turn under CORN-STALKS with the same perfection, every stool covered—which will turn a 2-inch slice with 18 inches of weeds and cover every spear, or an 8-inch slice under the same conditions equally well.

And, furthermore, will do this in ALL SOILS—sand, clay, waxy bottom, gumbo—stony or gravelly—and leave a perfect furrow with the bottom clean as a floor. No dirt spilled over into the furrow or slopped forward onto the land.

It will not only do all the work just described, but do it with less draft than any other gang plow built, cutting the same width of furrow.

Performance Guaranteed

We absolutely guarantee the satisfactory performance of this plow. We have proven it under all conditions—by field tests from the wheat fields of Canada to the cotton fields of the South, and from the sands of California to the waxy gumbo of Arkansas. It makes one plow do the work of a dozen or more, and if more than one plow is owned, makes every one of use where the need is imperative. No wonder farmers get enthusiastic about it.

ROCK ISLAND UNIVERSAL (C.T.X.) BOTTOMS Now Ready on our Liberty Gang Plow

Our wonderful invention has already started to revolutionize the plow business, and in side of a year or two there won't be a plow in the country which will not be equipped with this modern miracle of mechanics. We shall eventually equip all our plows with this bottom. Our celebrated Liberty Gang Plow is already equipped. It has kept us so busy filling orders for this that we haven't been able to get to the others. The Liberty Gang has become so well known for ease of operation, easy draft and wonderful durability during the years it has given satisfaction in all parts of the United States, that no description is necessary, further than that it has all the good points of all gang plows with their weaknesses and disadvantages overcome.

If you can use a Universal—all-purpose plow, which in one implement will do better work than all the plows you have put together, you must ACT QUICKLY. Our mammoth factory is already clogged with orders—it's a case of first come, first served. So order from your Dealer NOW for delivery as soon as possible, or when you need it—either one. Don't be put off—don't even look at anything else. There is NOTHING just as good or a hundredth part of it.

Write us if you want descriptive circulars and nearest dealer's name. Will answer promptly, so the delay won't count against you.

(17)

ROCK ISLAND IMPLEMENT COMPANY Kansas City, Mo.

FROM FACTORY TO USER

The Perfection is guaranteed to be the best cleaner, separator and grader on the market. Mr. F. D. Coburn, secretary of the Kansas State Board of Agriculture, says of this machine: "It is nearer perfection than anything of the kind I have ever seen, and far more so than I had supposed possible. I couldn't have believed it without seeing it." Heretofore the jobber has handled this machine. We now propose to sell it direct to the user, thus cutting out the profits of the middleman. Write us for particulars.

THE JENSEN MFG. CO., TOPEKA, KAN.

The GRANGE

What is the Grange?

Here is a good, short, comprehensive answer to the question which has been asked thousands of times and through all the 43 years of its existence. "What is the Grange?" The Grange is a fraternal organization of farmers to secure educational, social, financial and legislative benefits, national in scope, non-partisan in politics, but truly patriotic; seeking to develop the highest standards of citizenship; non-sectarian in religion, but having its high ideals of morality founded on the teachings of the Bible; including in its membership not only the farmer, but his family; seeking to restore agriculture to the place assigned it by the Father of his Country as "the most healthful, the most useful and the noblest calling of man."

The Grange stands for advanced thought and improved methods and is a mold of public thought. Thirty years ago it declared in its declaration of purpose, in favor of teaching the science of agriculture in the public schools.

The National Grange at its recent session representing the organized farmers of the United States, took no backward step, but boldly championed the rights of agriculture along various lines. Some of the important legislative measures is as follows:

Federal appropriation for highway improvement.

Establishment of rural and general parcels post.

Establishment of postal savings banks.

Election of United States senators by direct vote.

Appointment of a permanent non-partisan tariff commission.

Defeat the ship subsidy legislation.

Retaining or strengthening the present oleomargarine law.

Liberal appropriations for farm schools.

Opposing agreements between organized capital and organized labor to the detriment of the farmers.

Also against centralized banks.

That express companies be under the control of the interstate commerce commission the same as carriers of freight.

Growth of the Grange.

In a quiet way the Patrons of Husbandry, who are commonly called the Grange, have been doing a vast amount of good throughout the country, and of late their numbers seem to have been increasing at a very rapid rate. The annual report of the master of the National Grange showed that the condition of the order in the country was better at the end of the year 1909 than at any time since its establishment. A larger number of granges have been organized than in any one of the last 35 years, and a larger increase in membership is shown than in any year since 1878. The influence of this organization in public affairs can only be guessed at, but there is evidence to show that it was never greater than it is today. The membership, made up of the thinking men who live on the farm. It is composed of the best class of American citizen ship. Its actions have been controlled by sound judgment and level headed business principles. It has now reached a strength of membership and a weight of influence that make of it one of the powers to be reckoned with in the moral and material uplift of the country. The net increase in membership during the past year was considerable and showed a net gain in every state except two. Every state in which the Grange is organized has enacted laws for the general good through its influence.

The platform announced by the National Grange for congressional legislation includes a demand for a federal appropriation for highway improvements; the establishment of rural and general parcels post; the creation of postal savings banks; the election of United States senators by direct vote of the people; the appointment of a permanent non-partisan tariff commission; the defeat of ship subsidy legislation; the retention and strengthening of the present oleomargarine law; a liberal appropriation for farm schools, and the opposition of agreements between organized capital and organized labor in

legislative matters to the detriment of the farmer.

The Patrons' Fire and Tornado Association.

The Patrons of Husbandry (the Grange) of Kansas has in successful operation a fire and tornado insurance association that is maintained for the mutual benefit of the membership only. That it is of value to its members is shown by the following statistics taken from the annual report for 1909 of Secretary I. D. Hibner, Olathe, Kan.:

Total risk Dec. 31, 1909.....	\$9,544,375.00
Total risk for Dec. 31, 1908....	7,562,915.00
Net gain for 1909.....	1,981,460.00
Number of policies written during 1909.....	1,563
Total written during 1908.....	1,225
Total number of policies in force.....	4,953
Total membership Dec. 31, 1909.....	3,604
Total membership Dec. 31, 1908.....	3,000
Net gain in members.....	604
Policies average.....	\$1,927.09
Bal. in treasury Dec. 31, 1908....	10,190.56
Total receipts from all sources, 1909.....	23,220.95

Bal. in treasury Dec. 31, 1909	
Total cash rec'd from all sources, 1909.....	\$33,411.51
Paid on losses during 1909.....	\$16,710.94
Paid secretary.....	1,200.00
Paid assistant sec'y.....	250.00
Paid for clerical help.....	37.05
Paid back in unearned premiums.....	1,683.93
Paid in solicitors' fees.....	1,987.80
Paid for printing.....	57.80
Paid in rents, office, phone, lights, etc.....	164.08
Paid for furniture and fixtures.....	11.05
Paid in board fees.....	44.18
Paid president's salary.....	50.00
Paid treasurer's salary.....	50.00
Paid transportation.....	11.10
Paid all postoffice expenses.....	87.36
Paid miscellaneous.....	9.55
Total expenses.....	\$22,354.79
Balance in treasury Dec. 31, 1909.....	11,056.72
Cost on each \$1,000 for 1909.....	\$2.67
Total number of losses 1909.....	176
Total number of losses 1908.....	78
Excess over 1908.....	98
Total losses by wind, 1909.....	91
Total stock losses.....	51
Total losses by fire.....	15
Total buildings damaged by lightning.....	19
Total number of losses since organization.....	684
Total number of losses since last assessment.....	600
Excess of wind losses over all others, 1909.....	6
Total wind losses during 1908.....	11
Excess of wind losses over 1908.....	80
All liabilities settled to December 31, 1909 and a balance of \$11,056.72 in treasury.	

MODERN SHEEP FEEDING.

65,000 Sheep Fattening on Ranches in Southwestern Kansas.

Sheep feeding has been revived within a very few miles of Wichita and now bids fair to become one of the most important factors of southwestern Kansas, says the Wichita Eagle. While the stockmen of this state have not until very recently been interested in this line, it has already grown to such an extent that it is by no means a mere venture. Over 65,000 sheep have been fed and fattened this fall on ranches located about Maize.

The reason that the sheep industry has been taken hold of and so earnestly pushed by old time stockmen of this county, it is stated, is because the prices given are higher, and the care and liability of loss is much less than in the case of cattle raising. Less than 1 per cent of the sheep are lost even during bad weather, while in the case of cattle the loss is often much greater.

The sheep which the raisers are feeding in this county are purchased by T. W. Scott, who is a member of the Goster Live Stock Commission Company of Pueblo, Colo., and who has long been a cattleman in this state. They are bought in Colorado and Utah during October, when young lambs, and are shipped into Park township where they are fed and made ready for the Kansas City market.

In the past it has been a great problem for the farmers near Maize to obtain harvesters to shuck the corn during the fall. However, now with the coming of the sheep industry this is not necessary, and the sheep are turned into the fields and allowed to feed. Thus all that is required of the

There are Fortunes in Farming the Right Kind of Land.

But why farm on land worth \$100 to \$150 an acre, producing but one crop a year, when you can get land of inexhaustible fertility in the San Antonio country at from \$25 to \$50 an acre, producing two or three crops every year? Land that costs a third as much—and crops three times as big.

Why burn up your profits in fuel, in heavy clothing and winter feed for stock, expensive houses and barns, when you can live here in a land of sunshine and comfort all the year and save that money?

Why farm in a land of snow and ice that forces you to be idle nearly half the year, when you can farm in this ideal climate and have something to sell every week of every month in the year?

In the San Antonio country you have the very best of transportation, good neighborhoods, schools and churches, soil deep and rich, health and happiness, prosperity, and perfect climate.

Write for "Farm Facts" (free), a book of facts for farmers interested in Texas lands. It is the best "land book" published. Address

JOHN B. CARRINGTON,
Industrial Commissioner,
43 Chamber of Commerce,
SAN ANTONIO, TEXAS.

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Lift and swing over deepest drifts or other
obstructions with ease.
They are built of high carbon tubular steel
with brazed seams and heavily galvanized
Bessemer steel wire.
They cost but little more than board gates
and will outlast a dozen of them.
Examine Cyclone Farm Gates at your
dealers. See how well they are built—how
convenient they are for use the year 'round.
Write for free catalog.
Cyclone Fence Company
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SHIMER
Spring Steel
Farm Fence
Turns every animal on the farm. Made
of high carbon spring steel. Always tight—
the wires cannot slip. Catalogue for 1909
shows many styles. Free—write for it to-day.
Agents: liberal proposition. Full particu-
lars on request.
SPRING STEEL FENCE & WIRE CO.,
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Many Styles. Sold on trial at
wholesale prices. Save 20
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FENCE
MADE. Built
strong chick-
on-tight. Sold to the user at Wholesale
Prices. We Pay Freight. Catalogue free.
COILED SPRING FENCE CO.,
Box 255, Winchester, Indiana.

tender is to break enough of the stalks
each day for that day's feeding. In
this way the corn crop is harvested,
the sheep fed and a great part of the
stalks consumed.

Owing to the fact that the weather
does not become severe during the
winter it is unnecessary to provide
shelter other than a few feeding
sheds. It has been stated by one of
the old stock men of the county who
has become interested in the new
project, that while 65,000 sheep were
fed this fall, it is probable that next
year an increased number will be
raised, from the fact that such a great
number of people are expecting to
take hold of the work. However, this
depends entirely upon the price of
both corn and sheep. In the case that
feed is unusually high or, on the other
hand, that sheep are expensive, the
number may not be great, but if
everything is favorable next year may
see this business nearly doubled in
volume. It has been but two years
since this business has been of any
notice, but according to men who
have been over the ground, it is be-
lieved that the country in and sur-
rounding Park township is better
adapted for sheep raising than for any
other industry.

Corn and alfalfa are principally
used, and each is to be obtained in
plenty. Next fall, according to the
plans that are now being made, the
entire output of both corn and alfalfa
will be consumed by sheep. A 26-inch
close wire fence is sufficient to keep
the animals, and the care of them is
much easier during the fall months of
the year than of other forms of stock.

WHAT THE SILO DOES.

1. Silage keeps young stock thrifty
and growing all winter.
2. It produces fat beef more
cheaply than does dry feed.
3. It enables cows to produce milk
and butter more economically.
4. Silage is more conveniently
handled than dry fodder.
5. The silo prevents waste of corn
stalks, which contain about one-third
the feed value of the entire crop.
6. There are no aggravating corn
stalks in the manure when silage is
fed.
7. The silo will make palatable
feed of stuff that would not other-
wise be eaten.
8. It enables a larger number of
animals to be maintained on a given
number of acres.
9. It enables the farmer to pre-
serve feed which matures at a rainy
time of the year, when drying would
be next to impossible.
10. It is the most economical
method of supplying feed for the stock
during the hot, dry periods in sum-
mer, when the pasture is short.

That station also quotes from let-
ters of many farmers using the silo,
and here are a few of them:

E. H. Norton, New Cambria, Ma-
con county, has used a wood silo two
years. Fills with corn; feeds to all
kinds of stock with "splendid results."
He adds: "Silage is so good a feed
that I consider it worth the trouble
and expense."

Garman Bros., Sedalia, Pettis coun-
ty, have used a large wood silo for
15 years. They fill with cow-peas
and feed to dairy cows. They say:
"Silage saves much other feed and
saves much labor. We have to hire
all our help, and in the winter it saves
the drudgery of feeding. If we hire
the corn cut in shocks then husked
and cut or ground in a cob mill, it
will cost more than to put in in the
silo; besides we always seed the
ground to wheat after the corn is off.
It pays for milk cows."

W. G. Burkett, Purdin, Linn county
used stave silo three years. Fills
with corn "cut when beginning to
dent;" feeds to all kinds of stock with
"good results." He adds: "I do not
think I would keep cows if I could not
have a silo. We cannot too strongly
impress our people, especially the
dairy people, with the value of en-
silage as an economical winter feed."

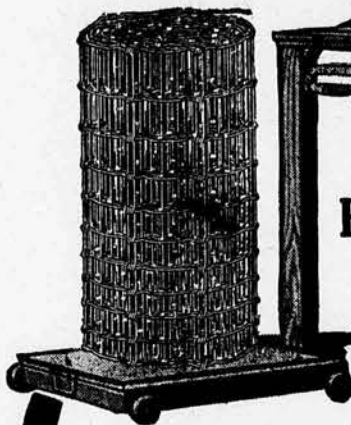
W. W. Goodwin, Holden, Johnson
county, has a wood silo, used two
years; fills with corn and feeds to
milk cows, sheep, calves and hogs,
with "excellent results." Fed 10 milk
cows, 40 sheep, six calves and small
quantity to brood sows 110 days.

C. C. Graves, Maryville, Nodaway
county, has a ready-made stave silo;
he says: "The \$140 invested in the
silo brings the best returns of any-
thing on the farm."

When writing advertisers please
mention Kansas Farmer.

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Made of Hard,
Stiff Wire, of
Honest Quality



Heavy Fence Means Long Life

Put the fence you buy on the
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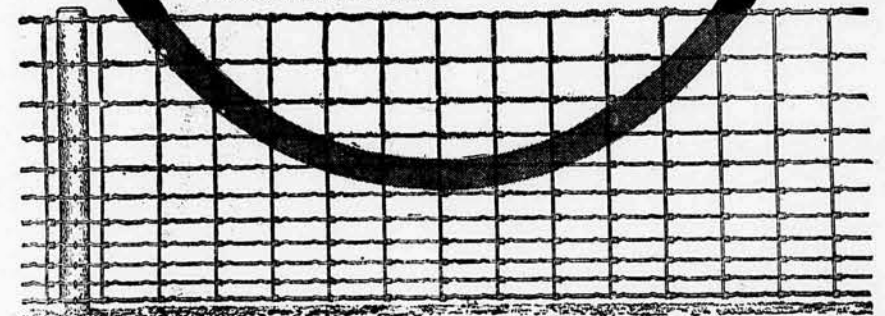
American Fence is a heavy fence. The gauge of the
wire is larger. Compare with any other fence. The eye
is easily deceived on the size of the wire, so put the roll on
the scales and weigh it. This test will convince you that the fence
you thought was cheap is most expensive when pounds of steel are
considered. Weight in fence means strength and durability, and
our years of experience have taught us that the heavier the fence
the better. No argument for light fences can dispute this.

American Fence is made of hard, stiff steel. It is made of a quality
of wire drawn expressly for woven-wire-fence purposes by the
largest manufacturers of wire in the world. Galvanized by
latest improved processes, the best that the skill and experience
of years has taught. Built on the elastic hinged-joint (pat-
ented) principle, which effectually protects the stay or upright
wires from breaking under hard usage.

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American Steel & Wire Co.

Chicago New York Denver San Francisco

NOTE.—Dealers everywhere. See the one in your town and have him show
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Anti-Friction 4-Burr Mills Double the Capacity of Geared Mills.

Two-horse mill has 24 ft. grinding burrs, (two set) all grinding
at once, and grinds from 25 to 50 bu. per hour. Four-horse mill
grinds from 50 to 80 bu. per hour. —\$8,000 Bu. WITH ONE SET
OF BURRS: I have ground with one set of burrs more than 30,000
bushels of corn with my Mogul No. 1 mill and the burrs are still
in good condition.—J. F. Craig, Mt. Carroll, Ill.
Two complete mills in one, has double the capacity and double
the durability. ABSOLUTELY NO FRICTION OR GEARING. Will
earn cost price in three days. The largest ears of corn to these
mills are like popcorn to other mills. We manufacture the most
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Pure bred Buff Rock cockerels at \$1.00 each if taken soon. Every one first class.
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BUFF COCHINS.
For sale cks. \$5 up, females \$2.50. Trios \$10.00 Won 27 prizes, 1909.

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WHITE WYANDOTTES.
If you want the large Pure White bird with bay eyes and yellow legs, write me. I have 200 for sale.
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EVERGREEN POULTRY FARM.
Choice Barred P. Rock cockerels, \$2.50 to \$4.00; hens, \$2.00 to \$3.00; eggs from yards, \$2.00 per 15. Farm range, \$6.00 per 100.
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FOR SALE, 50 CHOICE BUFF ORPINGTON COCKERELS.
These birds are extra good; all from my prize winning pens. We guarantee every one to be first class. Prices reasonable.
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"Hardscrabble" Leghorns.
Single Comb White exclusively. 50 cockerels, have never run with hens since they began to crow. Eggs for hatching in their season.
E. M. WHEELER, Jefferson, Kansas.

SHELLEY BROS.' BARRED ROCKS
always win. At Central Kan. Poultry Show Dec. '09, 14 regular and 4 special prizes. State Show and Cent. Kan. last season, and State Fair, 33 premiums, 14 firsts, 2 sweepstakes, \$10 cash special. Sales guaranteed. Circulars free.
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FOR SALE.
Pure bred Barred P. Rock cockerels, hens and pullets from prize winning stock. Cockerels \$2.00 each, \$9.00 per 1/2 doz.; hens and pullets, \$9.00 per doz., \$5.00 per 1/2 doz.
Hillcrest Fruit and Poultry Farm,
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R. R. No. 4, Ind. Phone 2180—R. 1.

Tenneholm Farm Black Langshans
A LOT OF GOOD COCKERELS FOR sale. Prices reasonable. Eggs \$1.50 for 15.
MRS. E. S. MYERS, Kansas.
Chanute,

POULTRY



Such a long-continued spell of cold weather, with snow covered ground for over a month, is unusual in Kansas and is very severe on poultry, especially in the matter of green food. Poultrymen should see to it that their fowls are provided with cabbage, beets, turnips, small potatoes or other succulent food to take the place of the green grass of which they are now deprived.

The poultry shows lately held in different parts of the country will no doubt be productive of many new poultry fanciers. When the farmer once recognizes the true merit of the hen, he very soon begins, as he did with his cattle and swine, to breed them up to standard, knowing that the difference between a scrub chicken and a pure bred fowl is as great as between scrub cows and thoroughbreds.

With the advent of these new members into the ranks of the poultry fraternity, it behooves the old members to so conduct themselves as not to bring disgrace to their calling. We should welcome the newcomers with a glad hand, and be scrupulously honest with them in any business transaction we may have with them. Don't try to palm off cheap, inferior stock to them, simply because they can't tell the difference between first class stock and poor stock. They will find out after awhile and you will suffer for it.

The poultry business is one that all classes can engage in. The lawyer, the doctor, the minister, the mechanic, the farmer and the day laborer can all enter the business with profit to themselves and a benefit to their health. Biddy will do her part in every country and every clime. The raising of poultry is more common and universal than any other industry, and according to the amount of the money invested, is one of the most profitable businesses one can be engaged in.

The show season is now about over, and the mind of the breeder now naturally turns to the duty of mating up his pens. This duty is one of the most important that he has to deal with, for one the proper mating of his breeding pens depends the success of all his year's work. In mating, the general rule is to mate by contraries; that is to mate a female that has a bad comb, to a male that has a good comb or a female that has poor undercolor to a male that is strong in undercolor, or a female with bad colored eyes to a male with fine colored eyes. The idea being that the blending of the two extremes will form a happy whole. But we believe that the blending of two uniform, standard fowls would tend to produce better birds than the union of the extremes in color or shape. We would therefore advise the breeding of a male as near standard requirements as possible on hens or pullets of similar standard requirements and we believe the progeny will be more uniform and better in every respect.

Echoes from the State Show.
The judging was completed by Wednesday noon and the rabbits up before supper time the same evening. Could a comparison show do any better?

We believe the poultrymen of Kansas prefer score-card judging to comparison. A decided majority for the score card was counted on a rising vote at the annual meeting.

The special premiums for best display of poultry supplies, including incubators and brooders, was deservedly won by Ross Bros., Wichita, who had an extra fine display on exhibition.

The new president of the State Poultry Association, Mr. H. J. Free-

man, of Wichita, is a remarkably clever gentleman. His masterly generalship of the winning forces at the annual meeting was apparent to all present.

The kickers derided the smallness of the exhibit, but did they do anything themselves to make it larger? Is it not a fact that they did all they could to make the state show a failure?

The city of Wichita did itself proud in providing for the wants of the show. She furnished the hall, the feed for the chickens, all the clerical help, all the manual labor and expenses of the secretary, at a total outlay of several hundred dollars. Mr. L. B. McCausland, manager of Ross Bros. Seed Store, was the principal agent in securing all these privileges for the state show. He is surely a great worker.

Mr. W. B. Borders, one of the board of managers, pulled off his coat and went to work for the show with a vim and energy unparalleled. He neglected his own business for the time being, to attend to the show. He was the best and most willing helper the secretary ever had.

The Assyrian came down like a wolf on the fold; and his cohorts were gleaming in purple and gold; but the Assyrian went home with his tail cut short, and his cohorts returned more in anger than sport. They swooped down to gobble a meek, little lamb, but on their arrival they found a big ram; who could hunt, who could scrap like a Kilkenny cat, and knocked all their plans into a cocked hat.

Capons.

Will you please tell, in the columns of your paper, which breed of poultry is best adapted to the raising of capons and at the same time are good egg producers?—A. Scott Poulk, Bushong, Kan.

Ans.—Possibly no breed could fill the bill better than the Plymouth Rocks. They are good layers and capons reaching the weight of thirteen and fourteen pounds each can be produced from them. While heavier capons might be raised from Light Brahmas, still the laying capacities of the Brahmas are not up to the Plymouth Rocks. Rhode Island Reds and Wyandottes are also good breeds for broilers, though not as large a bird as Plymouth Rocks or Brahmas.

Blood Meal or Dried Meal for Poultry.

Will you please give some information, in regard to the merits of blood meal as a feed for laying hens, in the columns of your paper? Also, which is the best for this purpose, blood meal or meal made from the blood, bones and flesh? One poultry house advertises beef meal made as above. Is this blood meal a good feed for young chicks? How is it fed to chicks and to laying hens? Is it a healthy ration or apt to cause disease?—M. C. Sleeth, Farlington, Kan.

Ans.—Blood meal or dried blood is an excellent addition to the laying ration. If a pure article made from the blood, bones and flesh can be procured it is better still. But many of the beef meals are mere tankage, with all life and substance squeezed out of it. Dried blood is not so liable to be adulterated. A little of the dried blood is good for young chicks. It is fed in the mash either dry or moist. Too much of it is not good for chicks or fowls. If fed twice a week it will be all right. If fresh beef bones with what meat is on them could be procured and ground up in a bone cutter, no better meat ration can be fed to fowls or chicks, but every poultry raiser cannot afford to buy a bone cutter, hence must fall back on the next best thing, blood meal or beef scraps.

Victor Incubators and Brooders

Quality tells in the hatches. Right principles, right materials, right building, right ventilation, right regulation, means more chicks and greater profit. Victor quality costs but little more and the difference on one or two hatches more than pays it. Write us first. Our book "About Incubators" will be sent free. It has important information for incubator buyers.

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If you'll say you want to try a "Queen," I'll say "Go ahead and use it three months, and here it goes, freight prepaid."

Then I'll go on and say, "Examine the Queen—compare it with all other makes—consider its highest percentage of hatches and the lusty, healthy chicks you get—how perfectly it runs and regulates itself—the oil expense it saves you—its absolute safety—and the 5 year guarantee I give you. You can't get Queen results with anything but a Queen. I want you to learn this at my risk."

That's the fairest, squarest offer I know how to make. Send the postal now that gets my Catalog and Liberal Plan.

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HATCHES and HOVERS like a LIVE HEN. One Regulator. One lamp. Saves ONE HALF operating expense. **FIRELESS BROODER ATTACHMENT.** Practically FOUR MACHINES IN ONE. **POROUS VENTILATING SYSTEM.** 80 percent hatches GUARANTEED. 40 or 60 DAYS TRIAL. A GOLD MINE ON ANY FARM.

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eggs cost more each year. This is true, yet thousands and thousands of city folk keep poultry to produce the family supply. The raising of poultry and the production of eggs increases each year. The demand grows faster than the production. Result—

THE PRICE GOES UP

The poultry industry has greater possibilities than ever before and it's profitable on either small or large scale. Geo. H. Lee has been a poultry raiser for 25 years and invented appliances he couldn't buy. The same mechanical means that he perfected are used by successful poultrymen everywhere. Lee's "Chicken Talk" is a book written by him. Valuable. Free copy, and 100 Incubator, Brooder and Poultry Supply Catalog mailed postpaid. Ask for it to-day.

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\$7.55 Buys Best 140-Egg Incubator

Freight Prepaid

Double cases all over; best copper tank; nursery; self regulating. Best 140-chick hot-water Brooder, \$4.50. Ordered together \$11.50. Satisfaction guaranteed. No machines at any price are better. Write for book today or send price and save waiting.

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Orpingtons, Rhode Island Reds, Leghorns, Rocks and Wyandottes for sale. Each variety bred on separate farms from prize winning stock. We will send catalog free.

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Clay Center,

Partridge Wyandottes
100 excellent farm raised breeders and show birds for sale; won 1st hen, 1st and 2nd pullet, 2nd cockerel and 2nd pen at Newton Poultry Show, Dec. 6-11, 1909.

W. R. Freiz, Arkansas City, Kan.

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All stock sold that we can spare this season. Will have ten matings to sell eggs from. Guarantee on eggs after March 1st. Mating list with show record and prices of eggs for hatching ready in Feb. Send for one. They are free.

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A horse is just as good as his feet. A wire cut, or other blemish may affect the appearance of a horse without affecting his usefulness, but a blemish in the feet is more than likely to effect both. In buying a horse use good judgment and examine his feet carefully. In raising a horse take care of him and see that his feet grow out perfectly with the rest of his body. This can be done by careful attention to breeding and feeding as is illustrated in the recent history of the Percheron horse. Formerly Percherons came to this country with rather soft and inferior feet. Now they have as good feet as any breed if not better than most.

President H. J. Waters of the Kansas Agricultural College, read a most valuable paper before the twenty-first annual meeting of the Kansas Improved Stock Breeders' meeting, in which he brought out two facts that were new to the greater part of his audience. One of these was that feeding or the lack of it, does not influence the growth in height of a young beef animal, though it does materially influence the development in breadth and thickness. President Waters showed that even when a beef animal is starving it might still continue to grow in height by drawing upon the reserve tissues of the body. The other point made was that lean meat is easy to produce and is the cheapest part of the carcass. Fat is expensive to produce, and too much of it results in a direct loss both to the producer, the butcher and the consumer. He showed that an animal does not increase in size or weight by the increase in size of the muscular tissue, but rather by the increase in size and volume of the fatty tissue.

Balanced Ration for Horses.

What is the feeding value, as to cheapness and keeping in condition of horses that are idle or are only doing moderate work, with oats at 37 cents and corn at 55 cents? Is there also a good way of mixing to save cost and put on flesh? One team is 2, coming 3 year old and rather thin. One, a mare, is rather thin from suckling a colt. Five head are supposed to be in foal. We also have yearlings coming 2 year olds. I ask this question as oats will be off the market by spring when the work teams need them and not corn, and I contend corn is cheaper and just as good a part of the time for teams and idle horses at this season and during cold weather. —F. A. Smith, Lincolnville, Kan.

I suppose that the prices you name refer to bushels by weight, which would be 56 pounds for corn and 32 for oats. This would make oats worth over one cent per pound and corn a trifle less than one cent at the prices you name. The average composition of corn and oats in respect to digestible matter is as follows: Corn—Protein, 7.14; Carbohydrates, 66.12; fat, 4.97. Oats—Protein, 9.25; Carbohydrates, 48.34; fat, 4.18.

From these figures you will see that oats contain a greater amount of digestible protein, but the corn has a larger amount of fat and carbohydrates. The differences are such that corn, weight for weight, furnishes rather more than one-fourth more energy or heat than oats does. Hence, to get equal amounts of nutritive material you would have to use a weight of oats one-third greater. Making allowance for this, the necessary oats at 37 cents per bushel to furnish the same amount of nutriment as corn would, at 55 cents per bushel, cost at least 50 per cent more.

On the other hand we have the consideration that oats have a higher proportion of protein and hence provide a better balanced ration for growing animals than is corn. If you have alfalfa or clover available to use as a part of the hay this apparent advantage of the oats would be of no importance as the protein would be furnished by the hay. You will of course feed some kind of hay any way and this is an important part of the ration as neither corn nor oats furnish the requisite constituents of the ash for either maintenance or growth of animals. These mineral constituents are found more abundantly in the various kinds of roughage. In my judgment you are undoubtedly correct in using corn instead of oats under the circumstances, but if you can use alfalfa to a certain extent also it would be better for your horses.—J. T. Willard, K. S. A. C.

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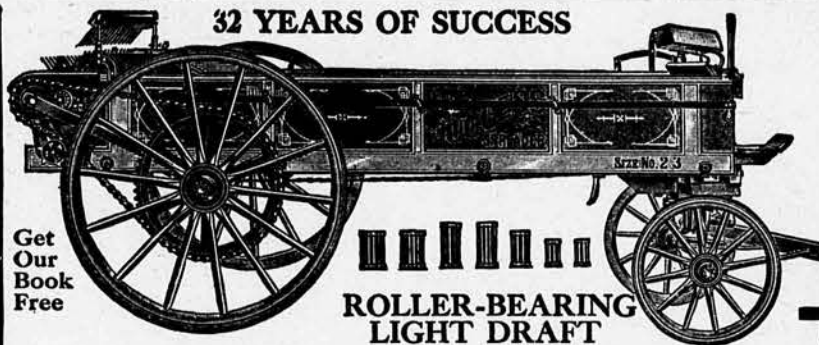
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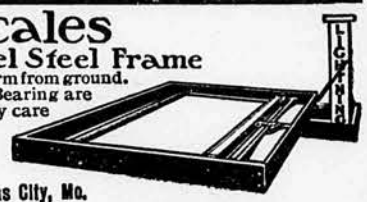


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APIARY

The secretary of the Shawnee County Bee Keepers' Association calls the attention of the beekeepers of other counties who have not organized, to the benefits of such an association in each county. In addition to the benefit to be derived from the meetings of such an association where one can get a vast fund of information from the experience of others, there is a great advantage in clubbing together for the purchase of supplies. Each county association has the right to send a delegate to the meetings of the state association and there gain information for the benefit of his fellow members. Mr. J. P. Lucas of Topeka is secretary of the Shawnee County Beekeepers' Association and will be glad to assist beekeepers in any part of the state in any way he can.

Honey.

Not only is honey the most wholesome of all sweets, but it is the purest and most delicious. No artificial product can compare with it. It is the concentrated essence of millions of flowers that has been brought together by the busy bee and through its strange chemistry made into a nectar that no man can hope to imitate. This work is done by our little insect neighbors with comparatively little cost of time or labor to the owner. The market for their product is always strong and there is no apparent danger of its being glutted. One beekeeper in the suburbs of Topeka reported a crop of two tons of honey in one year which had been gathered by his bees from the orchards and alfalfa fields in the vicinity. Not only is honey valuable as a sweet, but it is useful in cooking. Here are some recipes in which honey is a prominent ingredient, that are well worth trying.

Honey Gems.—Two quarts flour, 3 tablespoonfuls melted lard, $\frac{1}{4}$ pint honey, $\frac{1}{2}$ point molasses, 4 heaping tablespoonfuls brown sugar, $1\frac{1}{2}$ level tablespoonfuls soda, 1 teaspoonful salt, $\frac{1}{2}$ pint water, $\frac{1}{2}$ teaspoonful extract of vanilla.

Soft Honey Cake.—One cup butter, 2 cups honey, 2 eggs, 1 cup sour milk, 2 teaspoonfuls soda, 1 teaspoonful ginger, 1 teaspoonful cinnamon, 4 cups flour.

Honey Cookies.—One teacup extracted honey, 1 pint sour cream, 1 scant teaspoonful soda, flavoring if desired, flour to make a soft dough.

The County Bee Inspector Law.

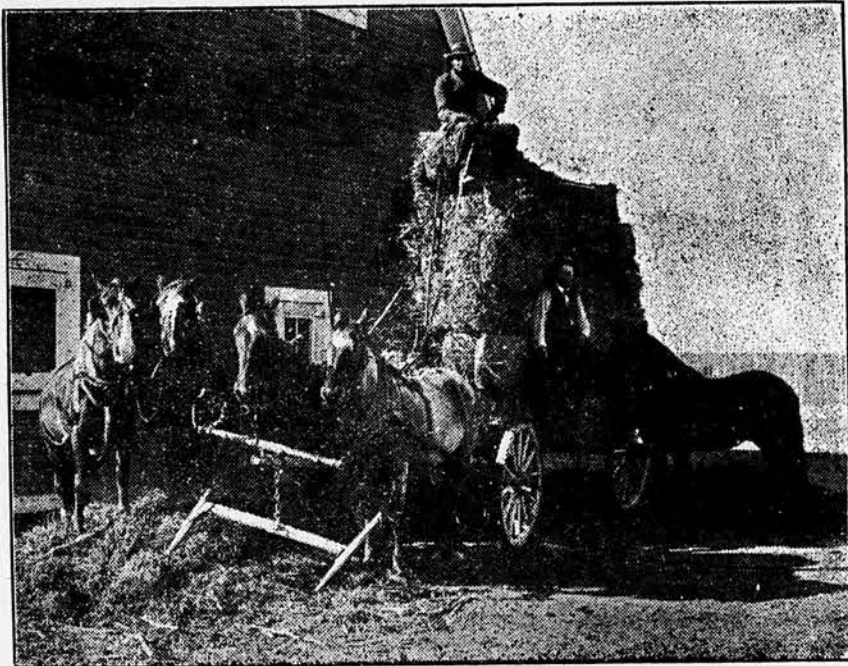
In Chapter 71 of the Session Laws of Kansas of 1905, may be found the law creating the office of county bee inspector. Under the provisions of this law, 25 or more residents of any county in the state who are actively engaged in the business of bee keeping, may petition the Board of County Commissioners to appoint a county bee inspector. When this petition has been made it becomes the duty of the County Commissioners to

appoint a competent person who is a resident of that county to the office of bee inspector for two years.

The inspector must file a bond for \$200, under the approval of the county board, for the faithful performance of his duties. The law makes it a misdemeanor for any one to keep, or sell or give away any bees that are known to be infected with foul brood or other infectious or contagious diseases, and it is also a misdemeanor for any one to bring into the state or to remove from one county to another any bees that are so infected.

Upon receiving a written notice of the alleged existence of any contagious or infectious disease, such as foul brood, it becomes the duty of the county bee inspector to at once inspect each colony of such bees together with all of the hives, implements, apparatus, honey, and supplies used in connection with such apiary, and to mark all that he finds to be infected. He shall at once notify the owner of such diseased bees or infected hives or implements, etc., whose duty it becomes to administer the treatment recommended by the inspector or else to destroy the infected bees. If this is not done it becomes the duty of the inspector to take such action as he may deem best, and if necessary to destroy all hives and colonies that are effected with disease. It is also the duty of the inspector to proceed with the work of inspection in any case where he has reason to believe foul brood or other contagious or infectious diseases exist, without a written notice. The inspector has the right to enter upon the premises of any person or association in pursuance of his duty in the day time, as often as may be necessary. If his orders are disobeyed, he may secure the services of a special constable and go upon the premises of the owner and seize and destroy diseased and infected colonies and appurtenances. The inspector shall receive \$2 per day and \$1 for each half day for the time actually employed in the discharge of his duties. Any person violating the provisions of this act shall be subject to a fine of not less than \$25 or more than \$100 for each offense. The bee inspector for Shawnee county is J. P. Lucas, Topeka.

Louis Monsees of Smithton, Mo., has a reputation as a breeder of jacks that is national in its scope. He has held a long series of semi-annual sales and in several of the more recent ones he has broken all existing records, both on the quality of the animals offered, and the prices received for them. When the demand for jacks and mules is as strong as it now is in the west, and when a man can breed and sell jacks for nearly \$2,000 a head, as Mr. Monsees has done, his words are worthy of attention. He also presented a paper before the State Board of Agriculture, which we hope to place before our readers.



E. L. Calvert, Goodland, Kan., caring for feed for his Standard bred horses. Twenty-five years in Sherman county as a homesteader.

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Buy direct from the biggest spreader factory in the world—my price has made it. No such price as I make on this high-grade spreader has ever been made before in all manure-spreader history. Here's the secret and reason: I make you a price on one based on a 80,000 quantity, and pay the freight right to your station. You only pay for actual material, labor and one small profit, based on this enormous quantity.

"OK" Galloway No. 5 Complete Spreader

—BY FARMERS OF AMERICA

Get my Clincher Proposition for 1910 with proof—lowest price ever made on a first-class spreader. No. 5, complete with steel trucks, 70-in. size, or Galloway Famous Wagon-Box, 4 sizes, from 50 to 80-bu.—with my agreement to pay you back your money after you try it 12 months. If it's not a paying investment. How's that for a proposition? If I did not have the best spreader, I would not dare make such an offer. 40,000 farmers have stamped their O. K.

Wm. Galloway Company of America,

on it. They all tried it 30 days free, just like I ask you to try it—30 DAYS FREE. Drop me a postal, and say—"Galloway, send me your Clincher Proposition and Big Spreader Book, Free, with low prices direct from factory." T. F. Stice, Oswego, Kan., writes me—"Often pull it with my small buggy team. Does good work. Have always used the... before. Galloway much the best. If going to buy a dozen more, they would all be Galloways. Thousands more letters like these.

389 Galloway Station, Waterloo, Iowa

Worth \$25 to \$50 more than any other make—You try it and see

70-bu., \$90 Freight Prepaid North of Tennessee and East of Rockies.

No. 5 GALLOWAY Complete With Steel Trucks

also take heater off in 2 minutes by taking off 2 bolts, an remove apron in same time and use box if you wish.

We defy all Competition on the Quality of this Machine—Our Proof is the O. K. of 40,000 Farmers

Strong Wagon Gears—Can Be Used For Other Purposes

See Free Book for Galloway Wagon-Box. 5 sizes—from \$42.30 up. F. O. B. Waterloo, \$54.50 and up—Freight Prepaid.

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Revolving steel disk marker for corn-planters. Can be placed on any wood or pipe staff. Big improvement over the old cast drag. The staff goes through the hub casting which carries the flange that the disk revolves on. Every farmer takes pride in seeing the straight rows he can drive with it. Weight 6 pounds—13 inch steel disk. Price \$2.00 at your dealers. If your dealer hasn't it, write us for full particulars and you will be supplied.

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Agricultural College Seeks Cooperation of Farmers.

"Men wanted" is the appeal just now of the extension department of the Kansas Agricultural College; men to do things and to do certain things in certain ways. Instruction has been given by the college in classes, in bulletins, and at farmers' institutes but now the desire is to get definite men to do definite things, keep definite records and make definite reports. The experts from the extension department will make one or a dozen visits to these farms as may be necessary, all for a nominal expense.

What does the extension department want? Well, it wants the names of the following:

- Ten men in each county who will plant this spring 100 forest trees.
- Ten men in each county who expect to plant three or more acres of potatoes.
- Ten men in each county who expect to set out a home orchard of about two acres.
- Ten men in each county who will keep an accurate record of cost of farming a field of from five to ten acres of corn, preferably an isolated field where pure bred corn can be planted. The department wants a thousand men to help find out what it costs to produce a bushel of corn.
- Ten men in each county who will grow five to ten acres of Kherson Kherson or Sixty Day Oats, pure seed.
- Ten men in each county who want to build silos.
- Ten dairy farmers in each county who will start a testing record.
- Ten dairy farmers in each county who own pure bred dairy sires or who expect to buy such sires.
- Ten dairy farmers in each county who will agree to keep a careful record of cost of maintaining a herd and record of all sales for one year.
- Ten men in each county who will keep a feeding record of a lot of steers from the day turned in the feed lot to date of sale.
- Ten men in each county who wish to plant five or more acres of cow-peas or Colorado peas.—
Address, Extension Department
Kansas State Agricultural College,
Manhattan, Kan.

A Kansas Proposition.

The people of several counties in southern Kansas are agitating the proposition to construct a road along the valley of the Arkansas river from Hutchinson to Garden City, a distance of 180 to 200 miles.

The newspapers along the proposed route have taken up the matter, and the public seems to be becoming interested. A convention, to consist of the various county officials is suggested at Hutchinson in the near future, and the county engineer of that county, Reno, is reported as preparing the details of the meeting.

A number of lateral lines are suggested, reaching various county seats, and other cities from the main road.

This being a purely agricultural region, the name chosen for the road, "the valley speedway," seems unusual. Such a road system if constructed, would be of great benefit to the region, enabling the farmers to market their crops with greater facility and at reduced expense. This road would pass through a section where a number of roads are being constructed by the sand clay method.—
Good Roads.

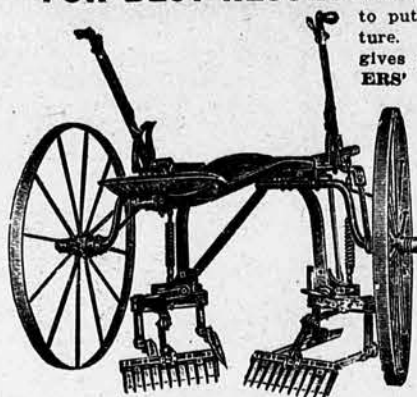
One of the points brought out by President Waters of the Agricultural College, in his address before the Breeders' Association, was that it did not pay to shred fodder. Sixty per cent of the corn crop is to be found in the ears, and the balance in the leaves, the husks, and the outer shell of the stock. The inner pith of the corn stalk is almost entirely composed of cellulose, which is not good for food because it lacks in nutritive elements, and because of the mechanical effect it has on the stomach. The animal eating this pith naturally feels the need of a drink of water, and this when taken causes the cellulose to swell in the stomach and removes the desire for more feed. The animal has a stomach full but gets little benefit from it. It is better to feed the stalks whole after they have been properly chopped.

INCORPORATED
1901

Towers' System of Surface Cultivation

SALES
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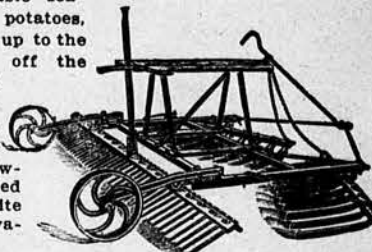
FOR BEST RESULTS USE THE "PULVERIZER" BEFORE AND AFTER PLANTING



The Cultivator.

to put the soil in the best condition to hold moisture. This will aid much the later process of culture. A thick blanket of dirt mulch is thus provided for the seedbed and the surface culture gives a fresh supply of DIRT MULCH every ten days. This is the common-sense method of TOWERS' SURFACE CULTIVATORS, which is endorsed by many scientific experiment stations and by all agriculturists who have given it a thorough trial. Thirty years' success in the field proves that it increases the yield of crops and destroys the weeds. In one favorable season the increase in yield of corn, sorghum, cotton, potatoes, etc., will pay the cost of the implements where used up to the capacity of one man and team. Sharp blades shave off the weeds near the surface and the sun kills them. The growing plant roots are not disturbed but the surface is gently stirred above the roots which draw sustenance through every possible root branch. The shovel system has lost farmers billions of dollars. Towers' Surface System always yields profit. Our illustrated free "Treatise on Corn Culture" will show you. Write for it to the original manufacturers of Surface Cultivators.

THE J. D. TOWER & SONS CO. 14th St. MENDOTA, ILL.



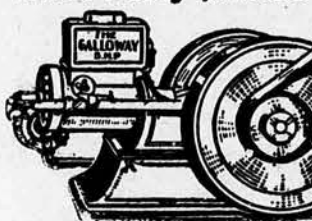
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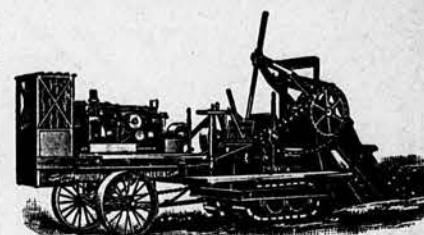
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Purchase An

Austin Tile Ditcher

It will dig from 3,000 to 5,000 lineal feet per day and make you more clear money than the best 160-acre farm in your county. If you have decided to branch out for yourself this year, arrangements should be completed at once, as spring will be here almost before you know it.

The Austin Tile Ditcher is the only ditching machine made that has positively self-cleaning buckets, hence will dig gumbo or sticky clay without clogging.

It is self-propelling and will travel over wet and boggy ground without miring. For further particulars send for Catalog No. 317.

F. C. AUSTIN DRAINAGE EXCAVATOR CO. Railway Exchange, Chicago, Ill. (1).

BOWSER SWEEP MILLS

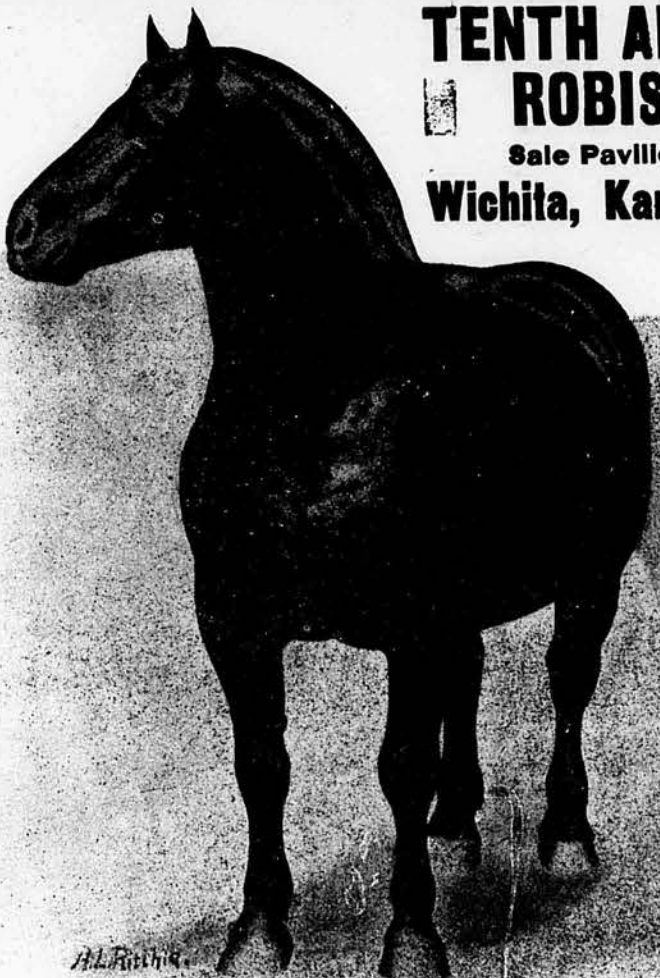


Different from all others. Grind Corn with shucks or without. K. in the head and all kinds small grain. 4 and 2 horse sizes. Geared 10 to 1 or 7 to 1. (Also make 8 sizes belt mills.) C. N. P. Bowser Co., South Bend, Ind.

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Sale Pavilion, Fair Grounds, 12:30 p. m.

Wichita, Kan., Tuesday, Feb. 15, '10



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HOME CIRCLE



Dreaming.

Grandmother sits in the sunshine of the long, still summer day, And knits on a baby's stocking while she she dreams the hours away. Dreams of the loved ones sleeping in the churchyard on the hill. But to the grayhaired dreamer the dead are living still.

She talks with the husband over whose grave the grass has grown So long that the moss has hidden the name on the old grave's stone. And the children who sleep beside him—ah! she has them all today As she sits in the summer sunshine and dreams the hours away.

Memory, working her witchcraft, turns back the hands of time, And the husband who is with her is in manhood's sturdy prime. Husband and wife no longer in the dreamer's dreams are old—Life gives back its vanished summer with its happiness untold!

She tells him about the children with all a mother's pride Joe's outgrown the pretty jacket that last spring was all too wide. And Ruthie is growing faster than the rosebush by the wall, And the baby! She loves the others, but she loves him best of all!

So, talking with him who loves her as he loved her long ago, When they stood at the marriage altar the long hours come and go. And the sunset brings the twilight when the children come to say Their prayers at her knee, and kiss her good-night in the dear old way.

She fancies their heads are lying on the pillows soft and white, And they bend above their slumber and smile at the pretty sight. "Oh, the little dears!" she whispers, and gives them each a kiss, While her husband whispers softly, "How good the dear God is!"

Dream on, O grayhaired dreamer, your dear ones live today, For your love can work the magic that keeps grim death at bay. Dreams that the dwellers in Heaven are with you, and love you still, Forgetting the graves up yonder in the churchyard on the hill.—Ex.

Gussie.

Cousin Robert and I were walking in the woods when we first saw him, sporting with his brothers in the branches of a scrubby oak tree.

"Aren't they beauties?" cried Robert.

"Yes, indeed," I replied, "how I should like to have one for a pet."

I did not think of the grief of poor Mamma Squirrel when she should discover the loss of one of her babies.

Robert was a very active boy, and he soon clambered to the top of the tree in the trunk of which there was a hole just large enough to admit a full grown squirrel.

The baby squirrels taking fright at the intrusion, ran for their lives to this opening, all disappearing within it except one—the Gussie of our story. Grasping him firmly in one hand, Robert descended to the ground and triumphantly exhibited his prize.

"O, how pretty!" I cried, stroking the soft fur on top of its head.

"Look out!" exclaimed my cousin.

The warning came too late. With a lightning-like movement the tiny squirrel seized the forefinger on my right hand and sank his sharp teeth into the flesh until they met.

With an exclamation of sympathy, Robert was in the act of dashing the head of the unfortunate little animal against the tree-trunk when I arrested his hand.

"Please, please don't," I pleaded. "That was the only way he knew to defend himself."

"All right then," said Robert, "you may have him if you want him."

We carried him home without further mishap and put him in a wire cage where after his first homesickness he soon learned to eat from our hands and grew fat and sleek. In a few weeks he became very tame and seemed to enjoy a daily romp with us quite as much as we did. Our approach to his cage never failed to bring forth a series of delighted leaps and somersaults that left him in time panting and half exhausted on the floor of his cage. He was never, however, entirely reconciled to the prison-like narrowness of his home, but seemed constantly on the lookout for some avenue of escape.

One time in the early summer I was confined to my room for a few

days on account of sickness, and the care of Gussie was left to my brother and Cousin Robert. The former came into my room one morning with a very sorrowful countenance.

"Belle," he said, "I saw a streak of red going 'round the barn lickety-split awhile ago. I followed it and tried to catch it, but it disappeared all at once and I couldn't find it any more."

I laughed. "What on earth was it?" I asked.

"I guess it was Gussie; he's out of his cage," he replied.

For several days I mourned him as lost. I had grown very fond of him and I was very sorry to lose him. But a pleasant surprise was in store for me. As I sat shelling peas one day for dinner, I saw the "streak of red" making his way doubtfully across the yard to the house. Sometimes he would hesitate and seem to question the wisdom of what he was doing, in doubt whether to scurry back to the shelter of the tall cottonwood tree in front of the house or to proceed on his homeward way. On the doorstep lay Fido, the big black watch dog, asleep. I called softly to Gussie. He approached nearer at the sound of my voice, but halted at the sight of the sleeping dog. "Come Gussie," I coaxed. Again he proceeded and was at the edge of the doorstep when the unconscious Fido switched his tail and stretched his lazy body for another lease on his comfortable snooze. The movement surprised Gussie. He cleared the space intervening between the house and the tree in two leaps, mounted to the topmost branch, scolding and barking angrily at the while, and it was some time before he could be induced to venture down from his lofty perch.

Meanwhile Fido peacefully slept. Just as I had about given up hope of getting Gussie to return to the house he descended of his own free will and with much sniffing and switching of his bushy tail soon reached the doorstep, and leaped over the prostrate form of the sleeping dog, landing in the center of the kitchen floor at a single bound.

He was received with much petting and an abundance of everything his squirrelship could desire to eat. As he evinced a dislike of returning to his cage he was given the liberty of the premises. He soon adopted the attic for his sleeping apartment and grew so luxurious in his habits that the finest fabrics went to make his bed, and he indulged in a morning nap lasting until ten or eleven o'clock every day. He always expected breakfast as soon as he arose and would beg and scold like a spoiled child until his wants were supplied.

And, also like a spoiled child, he could not be trusted out of our sight, for he never seemed to realize that there was any difference between a handsomely polished article of furniture and any other piece of wood.

One day he was very quiet and as I was busy I neglected to look after him as soon as he was missed. For an hour or two he had things his own way, and when finally I laid my work aside to hunt the little culprit I found him upstairs in our red man's bedroom. In the corner of the room was a stand covered with a snowy white cloth, and on top of this he calmly sat on his haunches, his two forefeet upraised and between them a bottle of medicine from which he had removed the cork and was, with many contortions of his expressive little face dubiously tasting the contents. The brown mixture in the bottle had been overturned on the white cloth, making indelible marks upon it as a reminder of Mr. Squirrel's pranks. All about the room were evidences of his morning's work. A gnawed bedstead, a mutilated lead pencil, a disarranged bed and a very disreputable looking door casing were a few of the things which betokened his industry and his ability to amuse himself when left alone.

"Oh, Gussie!" I cried in dismay. "You naughty, naughty little fellow!"

What will mamma say?"

When mamma arrived to survey the damage, she called him a "nuisance" and a few other uncomplimentary names, and I suspect when his daily trips to the nearby woods became longer and longer as summer waned until he ceased coming home at all, that she was not very sorry.—Mrs. C. B. Barrett, Matfield Green, Kan.

Tomatoes.

At this season when canned tomatoes are so generally used, new ways of cooking and serving may be welcomed.

For "scalloped" tomatoes, butter a baking pan and fill with alternate layers of tomatoes and bread or cracker crumbs, seasoned with bits of butter, pepper and salt, with well buttered crumbs for the top layer. Bake until nicely brown on top, and serve in the baking dish. For plain stewed tomatoes, season with butter, pepper, and salt, and sugar if you wish, and while hot pour over small pieces of stale bread or broken crackers.

A cream of tomato soup, if properly made is delicious. To one pint of tomatoes, add one quart of boiling water, a slice of onion, a small piece of red pepper, three or four whole cloves, a bay leaf, a small piece of stick cinnamon, one teaspoon sugar, and one-half teaspoon of salt. Cook for 20 minutes, then strain and keep hot while you heat a pint of milk and slightly thicken it with one tablespoonful of flour and two of butter, rubbed together. When the butter and flour are smoothly blended with the milk, add a level teaspoonful of soda to the hot tomato liquor and quickly pour in the thickened milk. Let boil up at once and serve immediately with crackers or crutons. A tablespoonful of chopped celery may be added just before serving.

A tomato stew that pleases most people is made by cooking one pint

of tomatoes until well done. Season with pepper, salt and a little sugar. Then add a tablespoonful of butter, and a tablespoonful of flour stirred into a little cream. Let cook a minute or two and pour over bits of buttered bread and serve at once.—Farm and Ranch.

Household Hints.

If the lid is left off cabbage when cooking it will keep its color better.

When boiling fresh potatoes or peas try a sprig of mint in the water. It gives a delicious flavor.

Boiled suet puddings will have an added nutriment if they are mixed with milk, or milk and water.

Try adding a leaf of spinach to the water in which peas are boiled if you wish them to keep a good color.

If a turkey or chicken is rubbed inside and out with lemon it will make the meat white, juicy and tender.

A pinch of soda in the water in which green vegetables, peas, string beans and cabbage are boiled will keep the color.

Never soak rice or macaroni before cooking. Well wash the former, but not the latter, and place both in boiling water to cook.

To keep silver from tarnishing when packed away make small cotton bags and fill with camphor gum. Place them among the silver.

Soak all cooking utensils in warm water before you sit down to dinner and you will be surprised how much easier they will wash.

In preparing cabbage wash it well in salted water to which a tablespoonful of salt to the half gallon has been added.

It is a good plan to always save tumblers which have contained sliced bacon or dried beef. They take up little space in the refrigerator and are nice to keep left-overs in.—Oberlin Times.

FASHIONS

No. 8381. An Ever Popular Russian Suit. Mothers will ever sing the praises of the Russian blouse for boys, since it imparts comfort and convenience, and its suitable to all dress materials. The model here depicted has a shaped sailor collar; it is double breasted and has bishop sleeves tucked at shoulders. The pattern is cut in 6 sizes, 2, 4, 6 and 8 years. It requires 2-3 yards of 36 inch material for the 6 year size.

No. 8421. Lady's Shirtwaist. This model is quite plain and therefore adapted to many different materials. Satin always matching in color is a popular fabric for wear with coat suits. The yoke on the back may be omitted. The sleeve is of the regular shirt style. The fronts have a broad plait over the center and over the shoulders. The pattern is cut in 6 sizes, 32, 34, 36, 38, 40 and 42 inches bust measure.

No. 8566. Lady's Tucked Waist. Dark blue messaline was used for this dressy waist. The fancifully cut neck opening is finished by a band of satin heavily braided. A yoke and high standing collar of tuck net render the mode unusually becoming, although it may be omitted if preferred. The one seam sleeves are length-



No. 8472. Little Girl's Dress.

This shows a simple and practical design, that may be trimmed with buttons and made of gingham, linen, lawn, chambray, challis or cashmere. A pretty development was shown in light blue albatross with pipings of blue pongee silk. The yoke band of pongee embroidered in white, also the cuff and collar. Tucked chiffon supplied the skirt. The pattern is cut in 4 sizes—2, 4, 6, 8 years. It requires 3 yards of 6 inch material for the 6 year size.

No. 8338. A Simple Dress for a Little Girl. Dresses of this character can be made in Scotch gingham in blue, pink or buff with embroidery or braid on top of the plaits; or if dotted or figured cashmere with gimp or braid trimming.

The pattern is cut in 4 sizes, 1, 2, 4 and 6 years. It requires 3 yards of 6 inch material for the 4 year size.

8614. Boy's One Piece Dress With Shield. A modish dress for the small boy. One could not find a more comfortable little dress than this model. Even the most inexperienced dressmaker will have little trouble in making it. Blue galatea with blue and white striped denim for strappings and belt will be very effective for its development. The pattern is cut in 3 sizes, 2, 4, 6 years, and requires 2½ yards of 27 inch material for the 4 year size.



KANSAS LAND

NESS COUNTY, KANSAS, LAND.

Good soil as any in the state at \$10 to \$15 per acre, well improved land \$15 to \$25 per acre. Partly rough at \$8 to \$8 per acre. Come before the new railroad gets here or write

J. G. COLLINS, Ness City, Kan.

SHARON VALLEY ALFALFA LANDS.

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

WILLIAM PALMER, Kansas.
Medicine Lodge,

A GENUINE FARM BARGAIN.

160 a., 25 mi. S. W. of Topeka, 7 mi. of good town, 140 a. tillable, fenced and cross fenced. \$32.50 per acre. Terms

GARLINGHOUSE REALTY CO., Topeka, Kansas.

155 ACRE BARGAIN—All cultivated, tame grass, smooth and rich 2 1/2 miles from town, big stock barn, 5 room house, stock scales, windmill and crib, 3 good wells, cisterns, fruit. A bargain for short time at only \$6,000. Write

CHETOPA REAL ESTATE CO., Chetopa, Kansas.

BARGAIN.

Hotel, 12 rooms, well located in Winfield. 10,000 population. 2 story brick building. \$2,500 and will furnish a year's lease on it for \$25.00 a month. 80 acres improved, 3 1/2 miles Winfield. \$4,500. New list free.

WOOD & SMITH, Winfield, Kan.

HERE IS A SNAP!

160 a., 1 1/2 miles from Whitewater, all well improved. All level land, good soil. Price for a short time only \$80; worth \$100 an acre. Other bargains. Free list. Address

WHITWATER LAND & LOAN CO., Whitewater, Kansas.

NESS COUNTY LAND.

\$4,000 will buy a quarter section of fine smooth land, 1/2 mile from center of Ness City, all fenced and in cultivation. Fifty acres in wheat. Other good corn, alfalfa and wheat land at \$15 to \$35 per acre. Write for information.

J. C. Lohnes & Son, Ness City, Kan.

EASTERN KANSAS FARM BARGAIN.

160 a., 3 1/2 miles from town, 75 a. cultivation, 2 a. orchard, balance native grass, 5 room house, good cellar barn for eight horses with loft, other outbuildings, good water, close to school, R. F. D. and phone. Farm on main traveled road. Price \$45 per acre. For particulars write

J. C. Rapp, Osage City, Kan.

EASTERN KANSAS BARGAINS.

1. \$20 a. well improved, near town, \$45 a. 2.—160 a. good improvements close in \$45 a. 3.—160 a. A finely improved \$9,600. 1152 a. great ranch finely improved; easy payments, \$28 a. Write for list.

JOHN TAGGART & SON, White City, Kansas.

BARGAINS.

We have some good Emporia properties, automobiles and Hardware stock to trade for good land in Ford or Meade counties. Write us full description of your property in first letter.

H. L. DWELLE & CO., Emporia, Kansas.

FOR SALE CHEAP.

160 acres, 13 miles from town, 100 smooth farm land, 60 sod, broken out last summer, ready for spring crop. Frame house, story and half, 16x24 an ell 14x20, one story. Price \$2,500. A snap of the snappiest kind.

M. D. Hughes, McDonald, Kan.

BEST FARM IN KANSAS.

560 acres bottom valley land, all smooth, fine, black sandy loam, no waste land, small orchard, 20 acres fine alfalfa land, new 10 room house hot and cold water, lighted with acetylene gas, bath and toilet, 500-barrel cistern, sewer system, R. F. D., telephone, 5 1/2 miles to two railroad towns. Price \$65 per acre. For further particulars write

Neal A. Pickett, Arkansas City, Kan.

NEOSHO VALLEY FARM BARGAINS.

138 acres, 1 mile from Chetopa, Kan., lies along high bank of Neosho river on main traveled road, no buildings 100 acres in cultivation, all fenced. Alluvial soil, good for alfalfa, corn wheat and tame grasses. Finest corn farm in Neosho Valley. Price \$40.00 per acre in payments. Write for catalog of 40 farm bargains.

J. B. COOK,

Chetopa, Kan.

FOR SALE—GOOD FARMS IN DOUGLAS CO., KANSAS.

No. 8—140 acre upland farm, 2 mi. from Lawrence, the Co. seat; well improved, well watered, fenced; 8-room house, large barn; ten acre orchard, clear. \$100.00 per acre. Terms easy.

No. 15—160 acres stock farm, 10 mi. from Lawrence, 2 mi. from nearest trading point, fenced, 5-room house, good barn 32x45, sheds and other outbuilding, well, spring, clear. \$45.00 per acre.

Also, over fifty other farms from 20 acres up.

LEROY N. WALLING, 1007 Massachusetts St., Lawrence, Kansas.

TAKE NOTICE.

For sale, 160 a., 2 1/2 of Garnett, fair improvements at \$35.00 per acre. 80 a. near town with fair improvements for \$3000.00, \$1,000.00 down and terms on balance. 160 a. near Harris at \$50 per acre, fine improvements, on all of these farms, part down and terms on balance, write me your wants.

EBERT C. SIMON, Garnett, Kan.

When writing advertisers please mention Kansas Farmer.



ened by cuffs of the net finished by turn back cuffs trimmed with braided bands. Satin, voile, pongee and crepe de chine would be most effective made after this design. The pattern is cut in 6 sizes, 32 to 42 inches, bust measure. Size 36 requires 3 1/2 yards of 24 inch material.



No. 8352. Lady's Bath or Lounging Robe. Flannel, elderdown, toweling or blanketings are best adapted to garments of this kind. The model here shown is especially



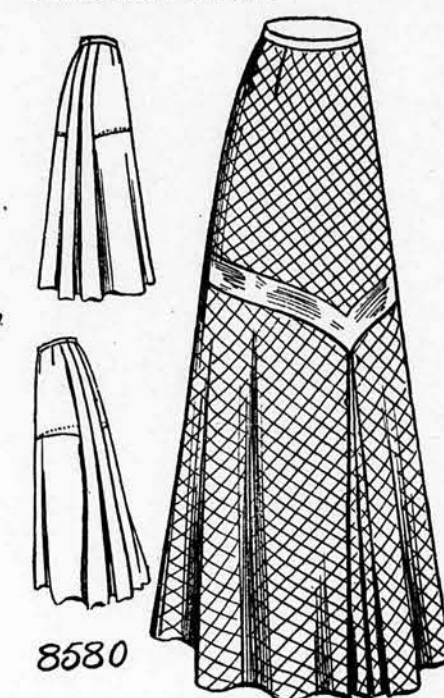
comfortable and attractive. The fronts are double breasted and the neck edge is finished with a square edged sailor collar. The design also shows a new sleeve. The pattern is cut in 4 sizes, 32, 36, 40 and 44 inches, bust measure. It requires 9 yards of 36 inch material for the 36 inch size.



No. 8580. Lady's Skirt, A Pretty Yoke Skirt. This portrays one of the models that have precedence this season. The deep yoke with graceful pointed outline is joined to a circular portion which has an inverted plait at the center front, and meets a box plaited



panel at the back. The pattern is cut in 5 sizes, 22, 24, 26, 28, 30 inches waist measure and requires 4 1/2 yards of 44 inch material for the 24 inch size.



EACH PATTERN 10 CENTS.

The Kansas Farmer, Topeka, Kan.

Please find enclosed cents, for which send patterns as follows:

Size Number

Name

P. O. R. D. State

10 Weeks 10 Cents.

We will send the KANSAS FARMER on trial ten weeks for ten cents. Tell your friends and neighbors of this offer. Better still send us the names of some of your friends who ought to read the best agricultural paper in the Southwest with 10 cents stamps or silver for each name and we will notify each one that you are sending them the paper. We will appreciate it, so will your friends.

KANSAS LAND

EASTERN KANSAS farms for sale. Write for list. Hitchcock & Wise, Baldwin, Kan.

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

LIVE AGENT WANTED

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

Frissell & Ely, Larned, Kan.

800 ACRE BARGAIN IN NESS COUNTY, KANSAS.

Only 1 1/2 miles from Ness City, all in cultivation and will all be sown to wheat and 1-4 crop goes to purchaser. Price for a short time \$25 per acre. Look this up, a genuine bargain. Let us send you our land list.

Karberg & Miller, Ness City, Kan.

REPUBLIC COUNTY LAND.

25 farms in this county for sale, ranging in price from \$50 to \$75 per acre. Choice corn, wheat and alfalfa land bargains. Write for information or call on

J. G. Helwick, Belleville, Kan.

200 ACRES IN Marshall County, Kan., three-fourths mile from town, 100 acres in second bottom land, 180 acres in cultivation, balance pasture, 7-room house, cellar, small barn, cattle shed, hog house, orchard, well and windmill. A bargain at \$90 per acre. Good terms.

Summerfield Realty Co., Summerfield, Kan.

FOR SALE TO PLAT.

55 acres adjoining Wichita City limits, that will sell for \$100 a lot: 8 2-3 lots to the acre. This will be \$875 per acre. We will sell it for \$125 per acre for the next 20 days and 2,600 acre well improved ranch in Meade Co., per acre, \$16.

J. F. Bellow & Co., 110 Main St., Wichita, Kansas.

THE BEST TOWN TO LIVE IN.

If you would like to live in the most beautiful city in the West, with unsurpassed education, business and religious advantages, in a city clean, progressive, where real estate values are low, but steadily advancing, where living expenses are reasonable, a city with natural gas at lowest prices address the Secretary of the Commercial Club, Topeka, Kan.

SHULTIS & SHULTIS, the Krumm county, Kan., real estate hustlers, 30 years in the same old place. Good farmers raised from 20 to 1 1/2 bushels of wheat per acre here last season. We can sell this land at from \$20 to \$35 per acre. Good improved ranch land, 1/2 good farm land, at \$15 per acre. Good bottom land not over 5 miles from market at \$25 to \$35 per acre. Well improved and running water, plenty of timber, see us or write us at La Crosse, Kan.

ARE YOU LOOKING FOR A HOME?

No farmer should think of buying a home before seeing a copy of THE FARM AND REAL ESTATE JOURNAL. It contains the largest list of farm lands, city property and stocks of goods of any paper published west of Chicago. It reaches 50,000 readers each issue, 80 per cent of whom are farmers. Every one who has any property they wish to advertise will find this journal one of the best advertising mediums published. Advertising rates 2c per word each insertion. Send 75c and we will mail you the Journal for one year, or for 10c in silver or stamps we will send it for two months on trial and stop it at the end of the two months unless you renew your subscription. Farm and Real Estate Journal, Traer, Ia.

HELLO FARMERS!

Have you read my list of GREENWOOD CO. FARMS? The best corn, alfalfa, clover cattle and hog country in the west. Fine blue stem pastures. Write for list and prices to

F. D. Stoughton, Madison, Kan.

Sumner Co. Kansas Land for Sale

Wheat, oats, corn, alfalfa and hogs. All kinds of fruit and berries do fine. Abundance of water. Fine climate. Farmers get rich here; so will you. Prices \$30 and up. Write us, information free. List your stock of merchandise for exchange.

H. H. Stewart & Sons, Wellington, Kan.

Buy Western Kansas Land.

Should you want to buy any Western Kansas land for speculation or for a home, don't fail to write me. I am selling land throughout all counties in Western Kansas. I am myself farming extensively on the kind of land I offer for sale. I can sell you land that will make you money. Write me at once for prices. Address

Eugene Williams, Minneola, Kan.

Every Man is Entitled to a Slice of This Good Old Earth.

Some Are Getting It; Some Are Not. Are you one that is not? You can get a slice from \$10 to \$20 per acre in the wheat belt, where they have fine soil, fine climate and plenty of water if you will write TED & ORBISON, Jetmore, Kan., for their list of farm lands. They have something good.

LAKEWOOD PERCHERON SALE

**100 PERCHERON
Stallions and Mares
AT PUBLIC AUCTION
SOUX CITY, IOWA
TUESDAY and
WEDNESDAY
FEB. 8 & 9, 1910.**



The greatest opportunity of the year to buy high-class Percheron stallions and mares. Sons and daughters of the world's champion sire, CALYPSO, many of these good enough to win in the strongest competition. 25 BIG BONED STALLIONS READY FOR SERVICE. 10 selected yearling stallions. 50 splendid young mares in foal by CALYPSO and CARTILAGE, both INTERNATIONAL WINNERS. 15 choice yearling fillies.

It should be remembered that Lakewood Farm has produced MORE PRIZE WINNING PERCHERONS during the past five years than any other breeding establishment in the world. 30 PRIZES were awarded Lakewood Percherons at the recent INTERNATIONAL at Chicago, a RECORD NEVER BEFORE EQUALED. If you want a stallion to head your stud, a team of high-class mares, and outstanding yearling stallion, or a pair of splendid fillies, do not miss this sale.

Catalog on request.

H. G. McMILLAN & SONS

ROCK RAPIDS, IOWA

Auctioneers: Col. F. M. Woods, Col. Carey M. Jones, Col. P. McGuire, Col. W. J. Murphy.

J. H. HAMILTON & SON'S

Blue Ribbon Sale

Guide Rock, Neb.,

Saturday, Feb. 5

**40 POLAND CHINA BRED SOWS, TRIED
SOWS, FALL YEARLINGS AND
SPRING GILTS. 40**

20 head of Shorthorn cattle, 5 cows with calf, 7 coming two year old heifers, one three year old bull and 4 yearling bulls.

POLAND CHINAS: The tried sows in this offering are by old Mogul, Growthy Perfection and Hammond's Price. Three great fall yearlings by old Mogul and safe to the service of Big Medium, Choice Goods and Choice Metal respectively. The spring gilts are mostly by Big Medium and are of March and early April farrow. They are bred to Nebraska Boy, Choice Goods and Choice Metal. These gilts are big and smooth and will go into the sale weighing easily 300 pounds. This is going to be one of our best efforts and we want you to be here.

SHORTHORN CATTLE: We will also sell a draft of 20 head of Shorthorns. Because of the scarcity of pasture we are compelled to keep our herd reduced to small numbers. This offering of 5 cows and 7 coming two year heifers and 4 young bulls is simply surplus that we are offering because of the above reasons. All the cows are with calf to our great Scotch bull, Red Monarch. The 4 yearling bulls are good, useful animals and well bred. Catalogs are ready. Send us your name today for one.

John Brennen, Auctioneer. Send bids to J. W. Johnson of Kansas Farmer in our care.

J. H. Hamilton & Sons, Props.

Guide Rock Neb.

Col. Burger Closes Successful Year's Work.

Col. L. F. Burger of Wellington, Kan., attended the Improved Stock Breeders' Association meeting at Topeka the past week, making the Kansas Farmer office a pleasant call. Col. Burger is always jolly and keeps every one around him feeling good. He has closed a very successful year's sales, all his sales making a good, fair average. Col. Burger does not claim to be the greatest auctioneer in the world, but his sale records show that he gets good fair values. If you have not hired your auctioneer for your next sale it might pay you to get in touch with Col. Burger. He has a few open dates in February and March. Please mention Kansas Farmer when you write.

Sunny Slope Hereford Sale.

Sunny Slope Herefords, owned by C. A. Stannard, Emporia, Kan., are known wherever good Herefords are known. Every nook and corner of this broad land, from Canada to the Isthmus, knows them and many will remember the great two days' sale that was held on Sunny Slope farm in 1904. These and others will be interested in knowing that Mr. Stannard plans an even greater treat for the lovers of whitefaces in his 3 days' sale which will be held at Sunny Slope farm just west of Emporia on March 1, 2 and 3. This sale will be one of the most important events in Hereford history in the west. Ask for a catalogue and be sure to be on hand when the time comes. Mention the Kansas Farmer, please.

Miller & Manderscheid Sells Feb. 18.

On Friday, Feb. 18, F. J. Miller and E. J. Manderscheid, of St. John, Kan., will sell 45 head of Poland China brood sows of the most popular type. The offering will consist of 20 tried brood sows. These sows are large and roomy and have made good as breeders and are bred for early litters. These sows have plenty of size with quality and finish. Taken as a whole the offering will be the good useful kind. In the pink of condition. They are bred by as good boars as the breed produces, such as Impudence, On and On, Meddler, E. L. Clover Bud by Perf. E. L. Peerless Perf. 2d, and many other tried sires. The gilts are out of these good sows and are fine and nicely finished. Some of them will be bred and some will be sold soon. Watch for advertisement in next week's Kansas Farmer and send in your name early for a catalog. Arrange to attend this sale. Mention Kansas Farmer when writing.

The Demand for Dairy Cattle.

Kansas Farmer has frequently mentioned the strong demand which now exists for dairy cattle in Kansas and the good prices which such cattle bring. This was emphasized in the sale of Holsteins recently held by Ira Romig at Topeka, some of which are here named. Mr. G. J. Reeg-old cow Dorinda Dekol for \$85, the 2-year-old heifer, Princess Winnifred Price for \$200, the 10 months' calf, Maple Leaf Malt, for \$62.50; and the 8 months' heifer, Lillian Prince Dekol 1st for \$60. He also got the 8-year-old cow, Sally Beauty though the price was not reported. F. N. Holdeman, Topeka, Kan., secured the 2-year-old Lady Maple Leaf for \$95, and the 7 months' calf, Princess Lad Sarcastic, for \$45. F. J. Searle, Oskaloosa, Kan., bought the yearling, Mable Wintie 2d for \$160. Alvey Bros., Topeka, took the yearling Hadra 2d Inka Dekol at \$130. W. E. Kelso, Havana, Kan., the 11 months' old calf, Beauty Josephine 1st, \$100. D. Comstock, Topeka, the 6-year-old Beachwood Brownell, \$87.50. In this sale some grade heifers, coming 2-year-olds, sold as high as \$80, and an under 1-year heifer at \$50.

The Aberdeen Angus Association.

During the International Live Stock Exposition at Chicago the American Aberdeen-Angus Breeders Association held its twenty-sixth meeting. Perhaps never in its history has this great association held a more interesting meeting and certainly never in its history has it had a greater incentive. Professor Kinzer of the Kansas Agricultural College was there with his Imperial herd of Aberdeen Angus steers, to whom was accorded the honor of being the best steers of any breed in the world. The financial affairs of the Association are in splendid shape. The cash receipts during the past year were approximately \$40,000, and the current expense funds shows a cash balance in the bank of \$26,096.60, while the surplus account shows a fund of \$35,027.50. Professor Kinzer was named as one of the official judges for the year 1910. The election of officers resulted as follows: President, C. E. Marvin, Payson, Ky.; Vice-Pres., A. C. Blinn, Alta, Ia.; Sec'y, Chas. Gray, 817 Exchange Ave., Chicago; Treas., C. J. Martin, Churdan, Ia. Secretary Gray had his salary increased in recognition of excellent service he has rendered during his past term of office.

Samuelson Bros.' Three Duroc Sales.

This week we start advertising for the Duroc Jersey bred sow sale circuit to be made by the Samuelson Bros. of Manhattan, Cleburne and Blaine, Kan. The circuit opens at Manhattan Tuesday, Feb. 8, and ends at Blaine Thursday, Feb. 10. There will be 165 head sold in the three sales, divided as follows: 68 at Manhattan, 55 at Cleburne and 42 at Blaine, a big per cent of tried sows in each sale. The entire lot will be bred for early farrow to the great boars owned by the Samuelson Bros. and the different offerings represent a great variety of good breeding. On account of raising such a large number, the brothers are enabled to cull very closely and put up extra good offerings. In the advertisement which appears elsewhere something of an idea concerning the breeding of the sows service as well as the blood lines of the offering is given. But the best way to get the information is to write at once to the catalog to Samuelson Bros., Manhattan, Kan. There are no better or squarer fellows in the business than the Samuelson Bros., and no breeder or farmer can do wiser thing than to plan to attend this circuit. Bids can be sent to Jesse Johnson, care Samuelson Bros., at either sale. Mention Kansas Farmer when writing.

Gifford's 26th Shorthorn Sale.

Wednesday, Feb. 16, F. M. Gifford, proprietor of famous Elmwood Shorthorn herd, will hold a sale at Clay Center, Kan. This is the twenty-sixth sale to be made with Shorthorns from this great herd and is practically a closing out sale as Mr. Gifford is including in this sale everything except a few old cows that are not in condition to sell and a few calves. The nine great cows sired by the quite noted Red Knight are included. The cows are very uniform in appearance, all reds and very blocky, and are splendid breeders, all of them are in calf

and a part of them will be sold with fine calves at foot. Ten out of the 20 head to be sold will have calves at foot by the great Scotch bull Lord Marr and all of the 20 will be in calf, practically all to this bull. The heifers are as fine a bunch as was ever seen in the herd, all but two of them are by the good heifer sire Senator Bruce. Think of a heifer out of Red Knight dam sired by a bull like Senator Bruce and bred to Lord Marr. The harvest will be great. For the beginner there is no better proposition than some of the grand cows sired by Red Knight one of the greatest bulls ever owned in Kansas or heifers out of them sired by and bred to the bulls mentioned. The bull Lord Marr that has proven such a valuable sire in two of the states best known herds will help to make another herd noted. He will be for sale privately day of sale. Write at once for catalog and mention this paper.

Wolfensperger's Coming Poland Sale.

D. A. Wolfensperger of Lindsay, Kan., will hold his annual bred sow sale at the farm right at Lindsay station on Tuesday, Feb. 8. The offering, consisting of 40 bred sows and gilts is one of the best lots that will be sold this winter. There will be 15 tried sows, 23 fall yearlings and 3 spring gilts, all but 7 of them bred for early farrow to the great sire Impudence E. L., one of the best boars of his type to be found in any herd in the whole country. He is a very large boar with splendid finish, very deep and heavy, short, strong bone and as fine feet as it is possible for a boar to have. He has proven himself to be a most excellent sire of good sized, highly finished stuff and no mistake will be made by any farmer or breeder if they buy any kind of a sow bred to this boar. The sows and gilts are a carefully selected lot and have quite a variety of first class breeding. But it has always been Mr. Wolfensperger's aim to buy stock having plenty of size regardless of pedigree so in glancing through the pedigrees one will observe much variety showing plainly that individuality has been demanded along with breeding. In conclusion let us say this offering is one that will please good hog men and they will sell at prices which are very reasonable. Write at once for catalog and mention Kansas Farmer. Bids can be sent to Jesse Johnson in care of Mr. Wolfensperger.

The Big Designer Kind Sells Feb. 11.

On Feb. 11, C. S. Nevius, at Chillicothe, Kan., will sell one of as useful a lot of brood sows as will pass through a sale ring this year. The sows are all bred early. Each year Mr. Nevius makes a better sale than the year before, and each year he has his hogs larger and better. When you consider the line breeding of these sows and the boars they are bred to you will at once realize that they are mated to correct all defect or faults. It is on this plain line of careful breeding that Neal Nevius has built up a very large mail order business shipping hogs to several states. Nevius has absolutely made good to the farmer and breeder by delivering his goods. Mr. Nevius does not overload his brood sows with fat but keeps them in good growing condition and when they go into their new home they grow right off and make large smooth hogs or produce a large litter of pigs, and raise them. A large number of the sows and gilts are by Designer McDorst by Blain Ten 2d, and bred to Designer, Major Look, Columbia Expansion, Good Metal, by Gold Metal and Big Hadley's Model. Don't fail to send your name in early for a catalog. If you can not attend send a bid to O. W. Devine, representing the Kansas Farmer, who will treat you fair—but we much prefer to have you attend. Kindly mention Kansas Farmer when you write.

Iams' Big Horses.

In his methods of doing business, Frank Iams of St. Paul, Neb., can certainly lay claim to being original. He believes he has a good proposition, and he is active in pushing it. He is an extensive advertiser in the highest class papers, and is firmly of the opinion that his advertisements were intended to be read. For this reason, he has something fresh to offer with each change of copy, and he must surely attract attention, as his business has been growing continuously and rapidly since his first start many years ago. People wonder how he can afford to sell such stallions as he offers at the prices he names. His explanation is that he cuts down the selling expense to the limit. He speaks the continental languages and is an excellent judge of horse flesh. With this equipment he is able to go to Europe and purchase his cargo of horses each season without the aid of an expensive interpreter or the payment of commissions to buyers. In shipping the large number of horses which he brings over at stated times, he is able to get special rates from the transportation companies, and then in selling he does not employ agents or traveling men, but invites the buyers to his beautiful home in St. Paul, or furnishes them with his magnificent catalog in which are shown life like pictures of the horses in his barns. It is really worth a trip to St. Paul to see Iams and study his methods. The horses are there for your inspection and the prices are named to you so that you can buy just as you would buy goods in a store. You see and know what you are getting, and the price you pay. Mr. Iams has just issued a splendid new catalog of 200 pages that is fairly bursting its covers with pictures of his horses made by artist Lou Burk and you can have one of these catalogs if you are interested in buying a draft bred stallion and will mention the Kansas Farmer when you ask for it.

Shorthorn Sale at Guide Rock, Neb.

In this issue of Kansas Farmer appears the advertisement of J. H. Hamilton & Sons of Guide Rock, Neb., in which they are advertising their regular annual bred sow sale. On this occasion they are offering 20 head of Shorthorn cattle consisting of five cows, seven coming two year old heifers and one three year old bull and four yearlings. They are selling these Shorthorns because of the scarcity of pasture and all the cows and heifers are bred to their great pure Scotch bull Red Monarch. The Shorthorn in this offering is good and it will likely be a good place to be if you are looking for something real good and where everything will sell on merit alone. Their offering of Poland China sows on this occasion is one that should attract breeders from everywhere. The Hamiltons are known all over the west as breeders and showmen of the very best in Poland Chinas. They are not extremist in any direction but produce a big smooth hog that has proven very popular in Nebraska and northern Kansas. They have been regular showmen at the Nebraska state fair for years and have always gotten away with more than their share of the ribbons.

NEBRASKA LAND

45 BUSHEL WHEAT LAND.

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

FUNDINGSLAND & SEVERSON,
Sidney, Neb.

ALFALFA FARMS, DUNDY COUNTY.
100 acres creek bottom, running water, rich soil; 100 acres will grow alfalfa, 6 mi. to town, house, cave, ice house, barn, sheds \$25.00 per acre.
150 acre valley farm, black soil, 2 mi. to town, new house, barn, sheds well, under fence, 80 acres will grow alfalfa. Irrigation ditch on land \$30.00 per acre.
\$20 acres improved, divide farm. \$20.00 per acre.

E. D. DEULINER,
Benkelman, Neb.

IRRIGATED HOMESTEADS.

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

CARPENTER, FLUMMER & MURPHY,
Morrill, Neb.

CHASE COUNTY, NEBRASKA.

Farms and Ranches for sale.
Ranches from \$5 to \$12,500, good level farm land from \$15 to \$30 per acre, where wheat makes from 15 to 40 bushels per acre and corn from 20 to 50, hog cholera unknown, the undersigned has lived here 3 years and can prove the above statement to be facts. We have the lands for sale and automobiles with which to show. All inquiries answered. Mention this paper and call on or address

BONNER & JOHNSTON,
Imperial, Neb.

262 1/2 acre farm, in Franklin Co., Neb. 3/4 mi. from Bloomington Co. seat. About 200 acres choice bottom, alfalfa and corn land, 60 acres good pasture, fair improvements, fine spring, never failing water, from hill, 30 feet above level of house and barn and 45 feet above level of balance of farm land. One of the most ideal farms and best bargains to be found. Price only \$16,000. Choice 1280 a. ranch, well improved. Several quarter sections and larger and smaller farms that are bargains. For information see or write

WM. ANDERSON, Franklin, Neb.

DON'T MISS THESE LAND BARGAINS.

\$20 acre, choice farm, Hayes Co., Neb. 7 1/2 miles from Palsade, smooth, best of soil; 200 acres to wheat; 1-3 rental, good 4-room house, well, windmill, etc. A perfect beauty, in fine neighborhood. For quick sale, \$35 per acre. 1,200 acre ranch, Lincoln Co., Neb. 5 miles from Wallace; 450 acres good bottom, alfalfa and corn land; balance good pasture, timber and living water, \$20 per acre. For other good land bargains see or write us. SMITH BROS., Palsade, Neb.

PLATTE RIVER VALLEY BARGAINS.

710 acres, fine valley land, all under irrigation ditch, good 8 room house and other improvements, 4 mi. from R. R. station, 10 mi. Co. seat, all fenced; choice land and offered far below actual value at \$20 per acre, for short time only.
\$20 acre farm, 1 quarter deeded. 1 yr. school lease, subject to purchase; all choice valley land, 6 mi. from Bridgeport. Some alfalfa and all good alfalfa land, under irrigation. Fair improvements and fruit. Price \$20 per acre, cash. Other attractive propositions in the new Morrill county lands. Write for particulars or see

SCOTT & DAVIS,
Bridgeport, Morrill Co., Neb.

BOX BUTTE COUNTY BARGAINS.

296 acre ranch farm, 10 mi. to sta. best in the west, \$5,000 improvements, all good land. Price for quick sale, \$15 per acre.
2,000 a., well improved, 700 a. best hay 5 miles to good station, all good land. Price \$25 per a. Will consider exchange for some good income property or eastern farm land.
320 a., all level, only 5 mi. to Alliance. Price \$20 per acre.
Good, 10 mi. to town, only \$12.50 per acre.
Other choice bargains in all sized tracts. At \$12.50 to \$22.50 per acre.

DINEEN, RUBENDALL & YOUNG,
Alliance, Nebraska.

A RARE BARGAIN.

160 acres in the famous Artesian valley, in Meade Co., Kan. all the very best of alfalfa land, all smooth, all tillable, and one flowing well. Price \$40 per a. Write owner

L. NIDER,
Fairbury, Nebraska.

WE SELL 6 PER CENT FARM LOANS.

Loans on Nebraska farms, Platte Valley irrigated lands and Idaho irrigated and orchard lands. All choice securities, which net the investor 6 per cent. Interest and principal remitted without cost to purchaser address

HEMINGFORD LOAN & TRUST CO.,
K. L. Pierce, Secy. Hemingford, Neb.

FINE NEBRASKA FARM.

220 acres, 3 miles from Chester, with good improvements, good orchard and good neighborhood. Land all around it selling from \$75 to \$100 per acre. Price \$65 per acre for quick buyer. Other bargains in smaller tracts. For further information call on or address

R. L. WILSON, Chester, Neb.

I SELL DIET.

I have for sale one of the best improved ranches in Southwest Nebraska, containing three sets of improvements, the ranch contains 4,760 acres of fine land, 2,500 of which is fine alfalfa land. I have also for sale good farms from 160 acres up; write me

A. Stelmason, Wamego, Neb.

Last season they were there with a herd of 15 and were as strong as usual and four of these show sows are in this sale. Big Medium, the sire of most of the spring gilts in this offering was sired by Jansen's Mogul and the Hamiltons sold him recently to a prominent breeder for a good price. Nebraska Boy is in service in this herd and has been used considerably on this offering. He was sired by Exception by Mogul, dam Bell of Worth by Walker's Chief Tec. 2nd. He is a yearling and won at both the Nebraska state fair and the Interstate at St. Joe. Choice Goods by Bellville Chief by Grand Chief dam Faultless Model is another young fellow in this herd that is prized highly and who is coming to the front for honors. In conclusion we take pleasure in saying that this offering of bred sows this firm is making on the above date is without question the best we know of that will be sold this winter. The average breeder of Poland who reads this will not be surprised at this statement as their herd is one of the great ones of the country. We will have further notice of this sale next week. Notice their advertisement in this issue. Bids may be sent to J. W. Johnson of the Kansas who will be at the sale. Send them in care of J. H. Hamilton & Sons, Guide Rock, Neb. Also ask them for a catalog at once.

Do You Know?

Do you know how many tons of manure 1,000 pounds of live stock produce in a year? Do you know how much manure value is represented by \$10.00 of meadow hay, clover hay, wheat bran, corn, etc.? Do you know the relative value of sheep, calf, hog, cow, horse and hen manure per ton and what each is worth on the average? Do you know how to prevent loss in the value of horse, sheep, pig, poultry and other manure? Do you know how much it costs to get a ton of manure spread on the fields, under average farm conditions, and how much value each ton represents in increased crops? These are matters of vital importance to every farmer and we ask these questions here merely to suggest how much valuable knowledge a man can get without effort if he keeps awake to opportunities. Because these questions and many more of like importance are all answered in a clear, concise and interesting way in a free book that is being offered our readers by the American Harrow Co., 1915 Hastings St., Detroit, Mich. This book is called "The Value Care and Application of Manure," and is by that high authority and interesting writer, Robert Gibbons. The book is free because these people manufacture and sell direct the great "Detroit-American" Manure Spreader, and they want farmers to know what they lose by not making the best use of the manure available. We hope our readers will send a postal to this company at the above address asking for their free book because they are mighty instructive. As for prices and terms on a manure spreader and a spreader that is far above par, we know this firm will not disappoint the most exacting of our readers. It is well to remember, too, that an investigation will not entail any expense or obligation and may lead to a big saving and great satisfaction.

Simplicity in Farm Tools.

At a recent meeting of farm authorities whose fame is national in scope, attention was called to the fact that in the chase for modern methods inventors were forgetting somewhat the principles of simplicity. Confusing levers, chains and various implement contraptions were severely scored. "The farmer shouldn't be an engineer or an acrobat to utilize modern convenience," declared one authority. The argument for simplicity recalls the success of cultivators which we devoid of "contraptions," the most effective tool being the Rock Island "Perfection" cultivator which has no trips or gewgaws of any kind to bother the practical farmer. Noted farm writers have often complimented the Rock Island Plow Company, whose product all leading dealers carry, upon the handiness of the "Perfection" and the effective work it accomplishes no matter what the task. It is pointed out that its perfect balance makes it easy to jump stray hills and dodge in and out from the row, cutting every weed. The stirrups provide for deep or shallow work. The "Perfection" is an education in simplicity and effectiveness which all leading dealers gladly demonstrate.

The Safety Hatch Incubator

Made by the Clay Center Incubator Co. of Clay Center, Kan., is well and favorably known to many of our readers. This company is made up of a number of the best rated business men of their city. W. E. Smith, the inventor of their line of manufactures, has been in this line of business many years and has achieved a national reputation as an incubator and brooder expert. His latest effort, the 1910 pattern incubator, is the result of his 18 years' hard study, and crowns a lifetime of worthy effort with success. The 1910 pattern Safety Hatch Incubators have one special feature years in advance of anything before attempted in the heating of an incubator. "This is the all copper boiler and is entirely enclosed within a heavy galvanized tank on case top, bottom and sides, holding all the heat the lamp furnishes right to the boiler." The lamp is also made absolutely fireproofed within this same case or housing. This with their superior insulated incubator case lined between the two walls with the extra heavy wool deadening felt and Cabot Sheathing Quilt makes a case almost impervious to cold or escape of the heat. This quality is maintained we are informed throughout the entire construction of this machine and sold at extremely low prices and freight prepaid; 10 years guarantee on material. Your interests command you to investigate the merits of this machine more fully. Write them mentioning Kansas Farmer.

Rambler Truck Rescues Horses.

The progress of the motor fire engine as a substitute for the horse-drawn apparatus has been more marked in California than in any other section of the United States. Just the other day the Rambler automobile whose truck used by the San Diego, Cal., department was pressed into service to relieve a team of horses after the team had become stalled in a mire. The horse-drawn apparatus was on a railroad track with each pair of wheels against a rail down to the hubs in mud. The Rambler truck pulled it out without any damage or effort. This truck has been in service six months and the service that it has given, coupled with the cost of upkeep, has more than repaid for its substitution in place of a horse-drawn apparatus. The Rambler has answered eighty-two alarms and covered about two thousand miles.



GIFFORD'S

26th Annual



Shorthorn SALE

—to be held at—

CLAY CENTER, KANSAS, WEDNESDAY FEB. 16, '10

PRACTICALLY A CLOSING OUT SALE.

40 head in all, comprising 10 bulls in age from 14 to 20 months. All sired by the pure Scotch bull, Lord Marr and out of pure Scotch and Scotch topped cows. These bulls are wide, thick, blocky fellows, all reds. Included is the pure Scotch 14 months calf, Lord Barmpton, out of an Orange Blossom cow. Scarlet Lord, a three quarters Scotch bull out of a Scarlet Mary, one of the finest Young Mary cows ever owned in the herd.

20 cows, 10 of them with big calves at foot and all in calf to Lord Marr. The others carrying calves by the same bull. Included in the cow sale will be 9 cows sired by the great bull, Red Knight. These cows are among the most valuable cows ever owned by us and have never been for sale before at an price. They would not be offered at this time but we are selling out. 10 heifers, all but two of them by our late herd bull, Senator Bruce. They are solid reds and just the kind individually and have the kind of pedigrees that we would like to start a herd with. All of the Red Knight cows as well as the rest that are old enough to have raised calves have proven regular and good breeders. They have a good record back of them and years of usefulness ahead.

Lord Marr will be on exhibition sale day and can be bought at private sale. Write for catalog mentioning Kansas Farmer.

Auctioneers, Harry Little, Jas. T. McCulloch, Chas. Hagenbuch.



F. M. GIFFORD

WAKEFIELD, KANSAS



100 RHEA BROS. 100

Acclimated Percherons

You may say, this little ad looks cheap offering so many good horses. Well friend, it is cheaper than a larger space, that's why we use it. The buyer pays for it. REMEMBER THAT. You who have seen our horses at the State Fairs for years know that they are not the cheap kind; although by our economical system of raising and selling our stallions we can sell cheaper than most dealers. The records show that we exhibited three year old Percheron stallions at the Nebraska State Fair 1909 with five importers who claim to have bought the best in France and our horses stood 1st and 5th. They are all for sale at very reasonable prices. Every one full guaranteed. Terms to suit. Life insurance furnished.

Write today or come to

ARLINGTON, NEB.

On main line C. & N. W. R. R., 25 miles N. W. of Omaha, 3 miles east of Fremont, 12 passenger trains daily.

1881- O. P. HENDERSHOT'S -1910

New Sale Barn

LINCOLN, NEBRASKA

IMPORTED AND HOME BRED STALLIONS AND MARES, KENTUCKY MAMMOTH BLACK JACKS.

My brood mares are breeders, my ton stallions weigh 2,000 pounds. Matched pairs that weigh four thousand pounds. Imported and home bred stallions weighing more than a ton. My prices and guarantee will please you.

If you are in the market for something really first class it will pay to investigate what I have to offer you. I now have all of my sale stock at the State Fair Grounds, Lincoln, Neb. My office is at the Capitol Hotel. Address all mail to Lincoln, Neb. All cars for the Fair Grounds start from the Capitol Hotel. Watch for my sign on the North 25th St. cars.

O. P. HENDERSHOT, Capitol Hotel, Lincoln, Neb.

KANSAS FARMER ADS. BRING RESULTS

KANSAS LAND

KINGMAN COUNTY LANDS

Banner wheat and corn county of the state. Write for selected list.
Brown Real Estate Co., Kingman, Kan.

ROOKS COUNTY LAND

One Hundred Farms for Sale.
Write for lists.
G. H. DEWEY, -7- Stockton, Kan.

A HOME.

For you at a bargain price, \$20 acres fine level land. For particulars write to Winn Realty Co., Jetmore, Kan.

COWLEY COUNTY FARM

440 acres, 11 mi. from Winfield, 5 miles from Townsend. 160 acres cultivated, balance blue stem pasture, living water, good buildings, orchard, alfalfa, prairie hay, fine grain and stock farm. Price \$12,500, good terms.
Chas. N. Payne, Hutchinson, Kan.

Farm Bargain in Gas and Oil

region of Montgomery Co., 2nd in wealth, 3rd in population and most enterprising Co. in state. Good corn, wheat, oats and alfalfa land at \$25 to \$50 per a. Ask for what you want; we have it.
Dunbar Bros., Dept. A., Tyro, Kansas.

HOMESEEKERS

Send for a copy of the Southeastern Kansas Homeseeker, the best land journal published. It's free to those wanting homes or investments. We make a specialty of lands on small payments and easy terms. Address
The Allen County Investment Co., Longton, Kan.

BARGAINS For CASH or TRADE

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

Good Bargains

Six room house. Eighty acres of valley land, balance good wood land and good pasture and orchard for family use. Price \$4,000. And I have several other good 80-acre and 160-acre and so on up to 640 acres, and several large ranches.
Wm. Forbes, Fall River, Kan.

DAIRY FARM

30 acres, 30 under cultivation. Balance fine blue stem pasture; 14 of alfalfa; living water; timber; fruit of all kinds; good improvements. 1 1/2 miles from Manhattan, a town of 5,000 people and location of the K. S. A. C. A. bargain. Price \$6,500.00. Good terms. Address
Bardwell & Bardwell, Manhattan, Kan.

A GOLD MINE

A well improved 160 acre farm 10 miles of town, house of 4 rooms, granary 16x34, barn 30x30 for 10 horses, orchard, grove, cave, cellar, etc., good well of soft water, 75 acres of alfalfa land, some in alfalfa, springs in pasture, 50 acres in cultivation, farm all fenced and cross fenced, in a well settled neighborhood, price \$22 per acre and terms. Address
Stinson & Weyand, Spearville, Kan.

CORN and CLOVER LANDS

160 acres improved.....\$2800
80 acres improved.....4600
120 acres improved.....6000
120 acres improved.....4800
We have a large list of farms for sale and exchange. Write for new list of farms for sale.
Mansfield Land Co., Ottawa, Kan.

AN IDEAL FARM FOR SALE.

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

EASTERN KANSAS FARM BARGAINS

160 acres Dickinson county, near Solomon, and Abilene, guaranteed perfectly smooth rich land, 7 room house, barn 28x48, 80 a. wheat, one-third to purchaser, \$12,000; 160 a. 17 miles Topeka, 5 mi. town, 40 a. clover, all in cult., good 6-room house, barn 48 by 60, extra fine farm, only \$9000; 80 a. 11 mi. Topeka, 75 a. in cult., no waste land, new 5-room house, small barn, spring water \$5,000. Write for list stating what you want as we make specialty of selling farms worth the money.
Wingett Land Co., Stormont Bldg., 109 West 6th, Topeka, Kan. A. J. White, Farm Releasee

SHAWNEE CO. 80

Eight miles south Topeka, 1 1/2 mile from R. R. town, 5,000 bearing apple trees, all fenced with woven wire, land adjoining is selling for \$100 per a. Owner lives too far away to look after it and will sell it at the assessed valuation of \$75 per acre. Hurry.
W. J. RICKENBACHER, 100 E 9th St., Topeka, Kan.

FIELD NOTES

FIELD MEN.

O. W. Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
J. W. Johnson.....Bellevue, Kan.

PURE BRED STOCK SALES.

Percherons.

Feb. 8-9—Lakewood Percherons, H. G. McMillan & Sons, Sioux City, Iowa.
Feb. 15—Whitewater Falls Percherons at Wichita, Kan., J. C. Robinson, Towanda, Kan.
March 9, 10—At Lincoln, Neb., O. P. Healdshot Hebron, Neb.

Draft Horses.

Feb. 1, 2, 3, 4—Percherons, Belgians, French Draft, Shires, Clydes, Trotters at Bloomington, Ill. C. W. Hurt, manager, Arrowsmith, Ill.

Jacks and Jennets.

March 1, 2—L. M. Monsees & Son, Smith-ton, Mo.

Jersey Cattle.

Feb. 15—O. P. Dovel, Auburn, Neb.

Shorthorns.

Feb. 9—F. M. Gifford, Wakefield, Kan., sale at Clay Center, Kan.
Feb. 24—Glover & McGlynn, Grandview, Mo.
Feb. 26—Frank F. Cooke, Beloit, Kan.
June 10—C. S. Nevius, Chiles, Kan.

Herefords.

March 1, 2, 3—Sunny Slope Herefords, C. A. Stannard, Emporia, Kan.

Holstein-Friesians.

Feb. 8, 10—Henry Glimmer, Station B, Omaha, at South Omaha, Neb.

Poland Chinas.

Feb. 5—J. H. Hamilton & Son, Guide Rock, Neb.
Feb. 7—J. F. Menefee, Burchard, Nebraska.
Feb. 8—D. A. Wolfersberger, Lindsey, Neb.
Feb. 10—J. R. Sparks, Hunter, Okla.
Feb. 11—C. S. Nevius, Chiles, Kan.
Feb. 11—C. S. Nevius, Chiles, Kan.
Feb. 12—George Wedd & Son, Spring Hill, Kan.
Feb. 16—B. M. Bell, Beattie, Kan.
Feb. 16—Logan & Gregory, Beloit, Kan.
Feb. 16—J. D. Spangler, Sharon, Kan.
Feb. 18—Miller & Manderscheid, St. John, Kan.
Feb. 18—J. H. Harter, Westmoreland, Kan.
Feb. 22—G. S. Hamaker, Pawnee City, Neb.
Feb. 25—Chas. O. Parsons, Clearwater, Kan.
Feb. 25—Lee Gress, Nelson, Neb., and John Barnard, Angus, Neb., at Nelson, Neb.
March 4—I. R. Berkey, Louisburg, Kan.

Durocs.

Feb. 1—Pearl H. Pagett, Beloit, Kan., and R. G. Sollenburger, Woodston, Kan., at Beloit, Kan.
Feb. 2—E. M. Myers, Burr Oak, Kan.
Feb. 3—Rinehart & Slagle, Smith Center, Kan.
Feb. 8—Samuelson Bros., Manhattan, Kan.
Feb. 9—Samuelson Bros., Cleburne, Kan.
Feb. 10—Samuelson Bros., Blaine, Kan.
Feb. 17—Frank Elder, Green, Kan., sale at Clay Center, Kan.

Professor J. C. Kendall of the Department of Dairy Husbandry is in New York investigating conditions in the dairy districts.

Do You Use Lime?

How many uses for lime, just ordinary lump lime, are to be found on the farms of Kansas? Is there anything in the statement that lime can be used to advantage on certain kinds of soil and if so what? Is lime the best thing for use in chicken houses and on farm buildings as a wash and disinfectant? Do you use lime and if so how many barrels per year and for how many different purposes? We shall be glad to hear from Kansas Farmer readers on this matter.

Stryker Bros., the breeders of the prize winning Poland Chinas, at Fredonia, Kan., are said to own one of the greatest herds of show hogs in the southwest. If this sounds like a large claim just go down to their farm and have a look, you will be welcome and may have a chance to see some of their famous Impudence stuff. Anyhow they sure do sell hogs, and they could not do this if they did not have quality. They write "The Kansas Farmer is the best paper for results."

Free Corn Seed.

We advise every reader of the Kansas Farmer to send to the Archias Seed Company, Sedalia, Mo., for free samples of their world-famous corn, "The Mortgage Lifter." This is one of the greatest yielders ever known, and if anything was ever rightfully named it is the "Mortgage Lifter" corn. Upon glancing over the catalog of the Archias Company for 1910, we notice that a unique prize offer is made to those who will correctly solve a puzzle which it contains. We trust that some of the readers of Kansas Farmer will be among the ones to secure some of the cash. Every person who sends for the Archias catalog for 1910, receives a free sample of the "Mortgage Lifter" corn. Send for yours today.

Great New Invention.

We want our readers to send for catalog telling about the Grinnell Detachable wagon box manure spreader which saves the box trucks and all for other uses on the farm. The Grinnell is the only wagon box manure spreader made that will save you the wagon box as well as the trucks. This makes it possible for you to use the machine either for spreading manure or by detaching their patented gearing cage to convert it into a regular farm wagon. There is nothing else in the manure spreader line like it. Investigate this machine by writing them for their catalog and new special offer. Address, Chase Mfg. Co., 99 Main St., Grinnell, Ia.

KANSAS LAND

KANSAS LAND

REAL ESTATE DEALERS, ATTENTION.

If you want to know how and where to buy advertising space in a big farm paper, and a daily paper covering the richest agricultural section of the United States for less than a half cent a line per thousand circulation, write
ROY O. HOUSEL, Topeka, Kan.

625 1/2 Jackson Street,

Topeka, Kan.

ZIMMERMAN IRRIGATED LANDS

THE CREAM OF THE PECOS VALLEY.

Now selling at \$60 per acre. Including fully-paid perpetual water rights. The present price subject to advance without further notice. One thing sure you can not buy any of this land next year for less than \$100 per acre.
This land in alfalfa alone will pay 100 per cent net profits every year. In fruits 800 per cent. Join us on the next Homeseekers excursion the first and third Tuesdays each month. For further information address
THE HEATH COMPANY, Topeka, Kansas.

109 West Seventh Street,

Topeka, Kansas.

800 Acre Stock and Grain Farm

two miles of two railroad towns and near trolley line, 480 acres rich creek bottom and second bottom, black loam soil, does not overflow, best of corn, alfalfa and wheat land, 300 a. fenced hog tight with good cross fenced, two sets of improvements, No. 1 seven room house, three good barns, all good condition, will care for 4 head stock; never failing well, soft water, three water tanks, 18 barrel capacity; plenty bearing fruit trees, good stock scales, with house over and stock yards, 20 a. good timber land a life time; never failing supply natural gas to run all machinery and for light and fuel. No. 2 improvements, good seven room house, good water, good barn, 30x40, capacity 3,500 bu. grain, 12 tons hay, oat granary and cow shed, some fruit, one-half section pasture land, 200 a. lime stone and 120 a. sand stone, grass, suitable to be made into a good farm, fenced with 4 galvanized wire, hedges, posts one rod apart, good water. The natural gas sold from the 800 a. is \$1,000 cash in advance each year and free fuel for house. 175 a. lime growing wheat. The crops for 1909 will show the real value of this farm. It will be priced on good interest paying basis, one-half cash, balance time if desired, to suit purchaser, low interest. 200 registered cattle, 300 head hogs, all stock priced with or without farm. Want to retire from business. No trades considered. Come and see me.
B. M. DOBSON, Owner, Independence, Kansas.

LOOK HERE! GREENWOOD COUNTY LAND FOR SALE

122 M.—73 acres, 50 acres in cultivation; 20 acres of bottom land; some good alfalfa; 3 room house and fair stable; 3 miles from town and 1/4 mile to school; 4 acres is hog tight; a 125 barrel cistern; price \$40 per acre; mortgage \$1,250.
126 S.—120 acres, 7 miles from Eureka and four miles from Reece; about 60 a. in cultivation; balance hay and pasture land; 5 room house and barn, cellar, and well, fine orchard; price \$40 per acre; mortgage \$1,200 at 5 1/2 per cent, can run 4 y. s. 128 M.—320 acres of nice smooth land 1/2 mile from shipping point; about 100 acres in cultivation; balance hay and pasture, nearly all can be farmed; 4 room house, and poor stable; and plenty of good water; price \$35 per acre.
129 E.—960 acres, nearly all smooth land, from 250 to 300 acres in cultivation; good improvements; and only 4 miles from Eureka. Price \$30 per acre.
133 X.—80 acres, about 60 acres in cultivation; balance mow land, this is all nice smooth land; it has a 8 room house and good barn; 5 1/2 miles from Eureka; price \$50 per acre.
135 H.—160 acres all in cultivation; 4 room house and barn; 1 1/2 miles from Eureka; price \$40 per acre.
136 K.—230 acres, mostly bottom and second bottom; 5 miles from Eureka; 2 sets of improvements; one house of 5 rooms and one of 6 rooms, not in very good condition; there is about 150 acres in cultivation; nearly all can be farmed; part of it in alfalfa; price \$40 per acre.
Anything you have to sell or exchange, list it with us.
Eureka, G. K. JACKSON LAND CO., Kansas.

INFORMATION FREE About Allen County, located in Eastern Kansas gas belt, 100 miles Kansas City. Good proposition for live agents. HAMILTON BROS., Iola, Kan.

MONTGOMERY COUNTY LANDS.
Montgomery county is second in population and 6th in wealth in Kansas. Write for list of choice farm bargains and prices. W. J. Brown & Co., Independence, Kan.

BARGAINS IN WASHINGTON COUNTY land, 430 acres creek bottom under cultivation, 4 miles from Washington, 1 mile to school, 2 sets of improvements, good water. Price \$55 per acre.
Washington, Kan. W. J. Gordon.

COWLEY COUNTY FARM, 160 acres, good six room house, about 80 acres bottom, never failing water, 12 acres alfalfa, 60 acres corn, close to school and church. Price \$7,500. Terms if desired.
R. A. Gilmer, Arkansas City, Kan.

RENO COUNTY FARM—320 acres, highly improved, fine new house with gas and water in, sandy loam soil, best kind corn and wheat land, price \$14,000. Other bargains.
Sterling, W. W. BARRETT, Kansas.

STOCK RANCH. Five thousand acres, two hundred and fifty in cultivation, ten room house, large barn, good outbuildings, living water. Fenced and cross fenced, \$20 per acre.
Appling, Horton & Meek, 123 N. Lawrence Ave., Wichita, Kan.

CLAY COUNTY FARMS. If you want a choice farm or stock ranch at prices ranging from \$25 to \$75 per acre, call on or address
Ernest Pinkerton, "The Pioneer Land Man," Clay Center, Kansas.

COFFEY COUNTY LANDS. If you want one of our corn, wheat, alfalfa clover or timothy farms at the lowest prices on the best terms, write for list of bargains and colored Kansas map. Mailed free.
LANE & KENT, Burlington, Kan.

GREENWOOD COUNTY STOCK FARM. Nicely improved 480 acres, 180 under plow, 225 slightly rolling pasture, balance nice level meadow. Price \$15,000. Will carry \$8,000 at 6 per cent. Send for free list and descriptive literature.
Star Real Estate Agency, Gridley, Kan.

COFFEY COUNTY LANDS. That are increasing in value rapidly, at \$20 to \$80 per acre. Corn, wheat and tame grasses grow to perfection. Write for our large list of bargains, mailed free and postpaid.
PERKINS & YOUNG, Burlington, Kan.

80 ACRES. 60 in cultivation, 10 meadow, 10 pasture, 6 1/2 miles town, mail route, telephone line. 5 room house barn, crib, smoke house, hen house, orchard, 2 wells, \$3,500 worth \$4000 \$1,000 down. Possession immediately.
Andrew Burger, Owner, Burlington, Kan.

ANY OF THESE SUIT YOU? 160 acres finely improved, \$7,500.
160 acres finely improved, \$8,000.
160 acres finely improved, \$10,000.
160 acres unimproved but fenced and in cultivation, \$7,500.
320 unimproved, per acre, \$15.
We also have dozens of other good bargains. Write me.
HOWARD, THE LAND MAN, Wichita, Kansas.

WRITE FOR FREE LIST

Coffey county farms. Cheapest lands in Kansas for the money. W. H. Clark, Gridley, Kan.

kan. A snap for some one. For particulars address
STEVENS & RUBY, Kansas.
Stockton,

TRADES—List your trades direct with us giving full description. Location and condition of property with reasonable price together with what you will accept in trade 200 farms for sale, some as low as \$1000. first payment. BACON & BRITAIN, White City, Kan.

TO LAZY TO WORK—And I have two fine farms I am going to sell. One of the finest creek bottom farms you ever saw. No overflow. 192 A. fine imp. close in \$10,000, terms. Fine 80 well improved, \$1400 cash, balance easy. R. L. LINEBACK, La Harpe, Kan.

FOR SALE. 300 of the best farms in northeast Kansas. We also make a specialty of selling Woodston Co. land; have many bargains. Write for price list to
MANVILLE & BAILEY, Holton, Jackson Co., Kansas.

PRICED TOO CHEAP. at \$35.00 per acre, but the owner, who has rented it for a number of years, has moved to Wichita and cannot look after it; 160 acres in Cowley Co., 5 miles from R. R. town, good roads, 1 mile from inland town with church and school; all smooth, level, land without a rock or foot of waste; fenced and cross fenced; 80 acres in cultivation; 4 acres hog lot, balance pasture, small orchard, fair improvements, telephone and R. F. D., alfalfa land, 8 to 20 feet to water. If you are looking for a good, cheap farm, don't let this get away, \$2,100 will handle.
Sharp Realty Co., Wichita, Kan.

OTTAWA COUNTY FARM BARGAINS. 80 a. improved, 4 miles out, \$2,000.
80 a. improved, 6 miles out, \$2,600.
80 a. unimproved, all in cult., \$2,800.
120 a. improved, 4 miles out, \$46 per acre.
160 a. improved, 6 miles out, \$4,800.
160 a. improved, 5 miles out, \$6,000.
320 a. improved, 3 miles from town, \$10,000.
320 a. nicely improved, 5 miles out, all good plow land, extra good, 10 miles Salina, \$40 per acre. We have others. Come or write.
SHEPARD & HOSKINS, Bennington, Kansas.

WICHITA'S GOOD THINGS TO BUY. Eighty acres two miles from the limits, improved good bottom land, \$150 per acre or can sell ten or twenty acres at the same rate. This is in a community where the small pieces are all of them \$200 per acre and will not last very long. Eighty acres improved mostly alfalfa land and some seeded seven miles out in the bottoms for a quick sale \$8000. Remember that the alfalfa land here often averages \$35 per acre net for five years at a time.
I. B. CASE & CO., Over 103 W. Douglas, Wichita, Kan.

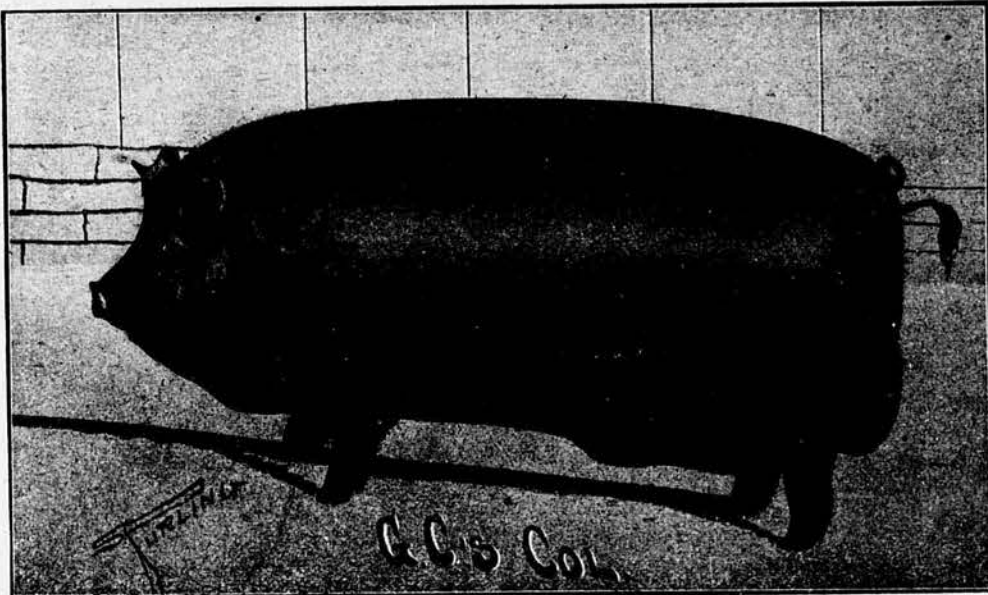
ELDER'S BIG DUROC JERSEY BRED SOW EVENT

At Clay Center, Kan., Thursday, February 17, 1910

14

Tried Sows

great individuals and with as good pedigrees as can be written, including King's Fancy and Red Princess II, daughters of Miss Burr Oak 4th, by Ohio Chief. Red Princess (dam of Pearl's Golden Rule) by King To Be. My Princess by old Golden Rule. Highland Belle by C. E.'s Col II. Chapin's Queen by the Chief and out of the great sow Variety 43rd. and Model Chief Again, Red Raven, etc. etc. Bred for early farrow to King of Col's II, and G. C.'s Col.



20

Selected Gilts

bred to great sires. Among them, 8 by King of Col's II, 3 by G. C.'s Col., others by G. C.'s Kansas Col., very best Col, Iowa Boy, and other good sires. The attractions are 4 out of Red Princess and sired by the great breeding boar G. C.'s Kansas Col. These are litter sisters to the great young herd boar F. E.'s Col. Gilts are bred for March and April farrow to F. E.'s Col, and Elder's Wonder by King Wonder by Neb. Wonder and out of a King of Col's II dam.

12 choice summer gilts by King of Col's II, G. C.'s Col, King Wonderland Red Special. These gilts will be sold open.

4 boars including G. C.'s Col, March and April boars, one by King of Col's II, one by King's Wonder. G. C.'s Col will be No. 1 in catalog. He is without doubt one of the greatest Col. boars living and is only being sold because we are reducing size of herd and don't need so many boars of the breeding. We trust breeders will investigate his pedigree and record as a breeder before sale day.

I have spent a year of my entire time in preparation for this sale, and feel that I have done my part very well. I am sure nearly everyone will agree that the breeding of the offering is first class and if there is a poor individual in the sale it is because my judgment was at fault when I picked out what was to be included in the sale. For catalog write me mentioning Kansas Farmer.

Auctioneers, Jas. T. McCulloch, L. R. Brady.

Jess Johnson, Fieldman. Send bids to him.

FRANK ELDER,

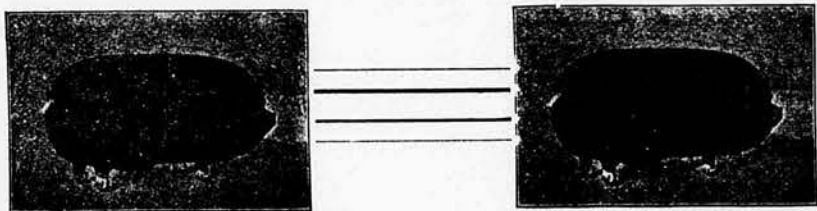
Successor to Grant Chapin

GREEN, KANSAS

Menehan

TYPE POLAND CHINA

BRED SOW SALE



MONDAY FEB. 7, '10

At farm 7 miles South of Burchard, 10 miles Southwest of Pawnee City, Neb., and 7 miles North of Summerfield, Kansas.

40 strictly big type bred sows and gilts, 10 tried sows and 30 fall yearlings and spring gilts. Bred for March and April farrow to my great young boars Bell Chief by Bell Metal, and Big Hutch jr. by Big Hutch. Among the big tried sows in this sale are sows by J. K. Price, Big Hadley, and Chief Sampson jr., and on dams side running into the biggest of the breed. The spring gilts are by Orphan Chief, Hutch jr. and Big Hadley jr. A selected offering of the kind that pays the mortgage. Catalogs ready. Write for one mentioning Kansas Farmer.

Auctioneers: F. E. Kinn. Jesse Johnson, fieldman.

J. F. Menehan
Burchard, Nebraska

40 BIG SMOOTH RICHLY

BRED POLAND CHINA

SOWS AT AUCTION

TUESDAY, FEB. 8, 1910

At farm two miles from Minneapolis, and right at
LINDSAY, KANSAS.

**15 Tried Sows, 22 Fall Yearlings
and 3 Spring Gilts.**

Everything bred for early spring farrow, all but 7 to my great boar, Impudence E. L. 53799. These bred to Noble Chief by the show boar, Nobleman. The offering is a ver uniform, well grown out one with plenty of size and contains daughters of Mischief Maker, Trouble Maker, full brother to Meddler, Three Cheers by Indiana, Blue Valley Chief, Kansas Chief, Voter, Impudence E. L. and other great sires. Their dams are rich in the blood of famous hogs of the breed, among them Chief Perfection 2d, Ideal Sunshine, etc. But you will be interested in the individual greatness of the offering perhaps as much or more than in the blood lines, so be sure and attend if possible. Write at once for catalog. Mention this paper.

D. A. WOLFERSPERGER
LINDSAY, KAN.

Visitors stop at Stratton Hotel, Minneapolis.

Auctioneers, Lafe Burger, Geo. Barker, Jesse R. Johnson, fieldman.
Send bids to him.

COLORADO LAND

COLORADO LAND

Why Pay Rent

At from \$3.00 to \$5.00 per acre when you can buy land from \$8.00 to \$15.00 per acre that has produced 20 bushels of No. 1 wheat from land that was broken the previous winter. Same land has produced 30 bushels of good corn on spring breaking. On old land as much as 50 bushels of corn per acre. Over \$80.00 per acre realized from crop of potatoes on \$15.00 land. \$50.00 per acre from crop of broom corn raised on new breaking. Alfalfa successfully raised. I have thousands of acres for sale in Lincoln county, Colorado. Hugo is the county seat. This is the finest body of good agricultural land in America now for sale at low prices. Excellent markets. The best of water at a depth of from 10 to 50 feet.

DO YOU KNOW OF ANY SAFER INVESTMENT

or one that will bring greater returns on the money invested than the lands I offer? For further particulars call on or write

A. S. Mitchell, the Land Man,
Hugo, - - - Colorado

CALL OF THE WEST

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

BE INDEPENDENT—DO IT NOW.

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

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

THE BEST OF NORTHEASTERN COLORADO.

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

THE WESTERN LAND CO.

STERLING,

COLORADO.

Kiowa County, Colo., Land.

13,000 acres of choice wheat land offered in quarters and half sections. On line of Mo. Pac. R. R., close to three good towns.

Prices range from \$5.00 per acre upward.

Write for terms and descriptions.

ALBERT E. KING, - - - McPherson, Kansas

320 ACRES DEEDED LAND.

Perfect title; under one of the largest storage irrigation projects in Colorado, near good town, land is very smooth, and soil of great depth. Price \$40.50 per acre, with good water right. Easy terms.

BELL & WHITE,
Lamar, Colo. Civil and Irrigation Eng'rs.

WE SELL THE BEST IRRIGATED LANDS
At \$40 to \$80 an acre up, according to improvements, within 2 to 4 miles of shipping point, these prices include perpetual irrigation water rights deeded with the land, good title to both land and water or no sale. For further particulars write or see

THE GEO. A. WATSON LAND CO.,
Lamar, (Established 1888) Colo.

COLORADO ALFALFA

Wins first prize among standard farm crops in Eastern Colorado, near Denver. One year's alfalfa crop more than pays for land now selling from \$15 to \$25 per acre. Wheat, oats, potatoes, do equally well on these low priced sub-irrigated lands. Map of Colorado and alfalfa literature, sent free.

ASK COLORADO FARM LAND ASSOCIATION, 879 Dearborn St., Chicago, Ill.

CANTALOUPE, SUGAR BEETS, ALFALFA LIVE STOCK.

ROCKY FORD irrigated, improved ranch 140 acres 1 1/2 miles from town, good water right, 60 acres in cultivation, 60 acres alfalfa, 20 acres fine pasture. Good 6 room house, nearly new, outbuildings complete, young orchard. R. R. Delivery, telephone etc., \$75 per acre, terms. Call or write

THE ROCKY FORD REALTY CO.,
Rocky Ford, 208 S. Main St., Colo.

WHERE THE GOOD CROPS GROW.

320 acres, 9 miles northwest of Yuma, all level, good soil and no waste land. Price only \$12.50 per acre. This is only one of the many attractive bargains we have and offer in choice, smooth, rich and productive farm lands in Yuma county, the Queen of eastern Colorado. Where large crops of corn and small grains grow and where scientific farming is an established success, without irrigation. Come, let us show you or write for information to

J. L. MILLER & CO., Yuma, Colo.

IRRIGATED LANDS in the famous South Platte Valley of Colorado, fine 160 under the old ditch. Price \$160.00 per acre. Owner will guarantee \$15.00 per acre cash rent. Fine 180, all in alfalfa, \$100.00 per acre. Will rent for \$10.00. Fine one-half section at \$75.00 per acre. We have a number of good quarters from \$30.00 to \$40.00. We have some fine propositions for exchange for business blocks or general merchandise. We also have some fine tracts of cheap land, ranging in price from \$10.00 to \$20.00 per acre for colonizing. Raise fine crops under the Campbell system of farming. Write us for prices and literature.

CASTLE & WYCKOFF LAND CO.,
Fort Morgan, Colorado.

IRRIGATED FARMS.

Prowers county, Colorado, offers the best opportunities to the homeseeker of moderate means. Write for information and prices of farms.

J. B. TRAXLER, LAMAR, COLO.

DO YOU WANT A HOME?

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

Vanderhoof & McDonald, Otis, Colo.

"A FREE RIDE TO COLORADO"

MUNTZING PAYS THE FREIGHT.
FARMS, SHEEP, and also CATTLE AND HORSE RANCHES.
I own 40,000 acres of choicest lands in Washington and Yuma counties, and am offering both improved and raw lands at prices far below all others, and on terms to suit all purchasers. Monthly payments if desired. 160 and 320 acres Relinquishments adjoining lands offered for sale. Best of wheat, oats, cane, corn, potatoes and alfalfa lands. I refund railroad fare and Hotel Bills for those who purchase of 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.

Colorado Irrigated Lands

22,000 acres of Irrigated Government land in Southeastern Colorado has recently been opened for entry under the provisions of the Carey act. The State of Colorado has contracted with the Two Buttes Irrigation and Reservoir Company to construct the irrigation works for the reclamation of this tract of land, which is located in Baca and Prowers counties, close to Rocky Ford and other proven districts. Water rights are of incontestable priority and title to land comes direct from the State.

Prices of Land 50 Cents Per Acre
Perpetual Water Right \$35 Per Acre

Payable \$5.25 per acre cash, balance in 10 annual payments. The tract is nearer Kansas City and Mississippi Valley markets than any other Carey act project. Land free from brush and stone, and soil will average 5 feet in depth. Altitude, 4,050 feet; climate best in State; rainfall 16 inches; crops, all grains, alfalfa, sugar beets, vegetables and fruit; no alkali. Local markets for every thing.

No agents employed and no commissions paid. Farmers wanted, not speculators. For particulars write

THE TWO BUTTES IRRIGATION AND RESERVOIR CO., LAMAR, COLO.

COLORADO LAND

LAND BARGAINS.

We undersell all others in low priced lands in Eastern Colorado, with small cash payment down. These lands adjoin lands now being farmed. Stock ranches a specialty. If you are interested write for free descriptive circular.

HENRY M. CHASE LAND CO.,
Denver, Colorado.

YUMA COUNTY, COLORADO

We own and have for sale 3 160 acre tracts unimproved, nice laying land, 8 miles from Yuma, Colo., \$15; also 1/4 section and single 160 acres 15 miles from same town, fine soil, \$12.50. These are bargains. We buy, sell or trade.

YUMA COUNTY REAL ESTATE CO.,
Wray, Colorado.

Colorado Lands and Sunshine

If you are looking for a home, investment or health, where the climate is perfect, where there is best class of people, churches, schools and no saloons, where there are thousands of acres of choice land coming under irrigation and selling very cheap, you will do well to write us for new printed matter on Morgan county, Colo. Address

THE B. W. JACKSON REALTY CO.,
Fort Morgan, Colo.

\$1 MAKES ANOTHER -- WHERE

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

E. E. SEAMAN,
Brush, Colorado.

OKLAHOMA LAND

WRITE FOR FREE LIST of Caddo County farms and descriptive literature. Many big bargains. **E. C. SCHLITT, Anadarko, Okla.**

CADDO COUNTY, best in Oklahoma. List and descriptive literature free. **G. D. Driskell, The Land Man, Anadarko, Okla.**

IF YOU WANT TO BUY Blaine County, Oklahoma, land at lowest prices on best terms, write or see **Temple & Temple, Watonga, Okla.**

FOR FREE INFORMATION about Lawton and Comanche county lands, \$20 to \$75 per acre, write to or call on **Brown & Powers, Lawton, Okla.**

CADDO CO. FARMS.

Best in Oklahoma for homes or investment. Your address on postal card will bring descriptive list and literature.
BALDWIN & GIBBS CO.,
Anadarko, Okla.

BLAINE COUNTY, OKLAHOMA.

320 acres, level, all tillable, all alfalfa land, house, barn, granary, orchard, fenced, 5 miles 3 railroad towns, 1-3 200 acres growing wheat goes. \$12,800. Easy terms. Own other farms.
Ed Baker, Owner, Watonga, Okla.

CADDO CO., OKLAHOMA.

Winter roads are good in Caddo County. No Texas Fever or Hog Cholera. Good crops of cotton, corn, wheat, broom corn and fruit. Good schools and churches. Farms to suit. Descriptions furnished.
HENRY A. WHITE, Hinton, Okla.

CORN, WHEAT AND ALFALFA LAND in the great new state of Oklahoma. In Cimarron Valley, where all kinds of crops do well; fine stock country, where the hog and alfalfa grow to perfection; land is yet cheap, but advancing very fast. For full description write
J. M. Caspar, Okeene, Okla.

OKLAHOMA FARM BARGAINS.

160 acres in Canadian County, 5 mi. from Okarche. 100 acres cultivated, 50 a. good bottom, balance smooth, running water, plenty timber, 5 room house, other buildings. Price \$6,500. 160 acres in Washita county, in broom corn district, 40 acres cultivated, 80 acres cultivatable, small house, etc. Price \$20 per a. For particulars write
JOS. A. BRANDT, Lindsborg, Kan.

200 ACRES of nice smooth alfalfa and corn land, 4 miles of Arapaho, on R. F. I and telephone line, 100 acres under plow, 15 acres alfalfa. The whole farm is alfalfa land; 100 a. grass and all tillable, fenced and cross fenced; 15 a. hog tight house 4 rooms, stable, new granary, other outbuildings; cistern, cave, well and mill at house; mortgage \$800; price \$6,500. A bargain for the money.

J. Fred Burlingame, Arapaho, Okla.

OKLAHOMA FOR HEALTH AND WEALTH.

320 acres, 7 miles from Texola, Okla., R. F. D., school 1-4 mile. 200 acres lies nearly level and all tillable. 140 acres under cultivation, 120 acres fine pasture land, supplied with plenty of living water and good grass. Has small house, sheds and outbuildings. Well and windmill. If you want a farm where you can raise good crops and keep a bunch of stock, you should see this one. A farm and ranch combined. \$2,500 on liberal terms. Send for our catalog. **Texas Oklahoma Realty Co., Texola, Okla.**

A BARE SNAP.

160 acres adjoining town, all in cultivation, good house, barn, granary, good orchard of all kinds of fruit, fenced and cross fenced. This is one of our best bargains. And if you are interested do not delay. (First come first served).
HUNTER REALTY COMPANY (Est. 1893), Enid, Okla.

"WE SELL THE EARTH."

Farmers grow wealthy in a short time in Custer and adjoining counties in Oklahoma, growing hogs, corn and alfalfa. Farms at from \$30 to \$50 per a. Write us for land list.

Clinton,

DULANY & RANDOL,

Oklahoma.

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

OKLAHOMA FARMS.

Best county for corn, wheat, oats, alfalfa, and tame grass. 80 acres \$3,500. 160 acres fair improvements, \$4,000. Write for list of bargains.
VOEGELE & WOOD, Newkirk, Okla.

A CUSTER COUNTY BARGAIN.

160 acres, 2 miles R. R. station, 80 in cultivation, 55 fenced in pasture; fine water four room house. Price \$2,800; easy terms. Many other bargains. New list free.
HUGHES & SORTELL, Custer City, Oklahoma.

KIOWA COUNTY, OKLAHOMA.

where corn, cotton, alfalfa, wheat and all other staples grow to perfection. Lands at reasonable prices, on liberal terms. Write for descriptions and full information.
"MESMER" LOAN & REALTY CO., Lome Wolf, Okla.

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. POCHTEL, Newkirk, Okla.

CUSTER, KIOWA, WASHITA

and other western Oklahoma counties. Lands, from 40 to 640 acre tracts, at low prices, on liberal terms. Write for new list, sent free.

CUSTER INVESTMENT CO.,

Clinton, Okla.

EASTERN OKLAHOMA.

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, Okla.

WHEAT, OATS, ALFALFA, COTTON.

Good lands \$20 to \$30; produce big interest on capital invested. Well located near thriving and growing city. Prices and descriptions free. Correspondence answered in either German or English.
LOME WOLF REAL ESTATE & INVESTMENT CO., Lome Wolf, Okla.

TWO EXCEPTIONAL BARGAINS.

560 acres fine second bottom, above overflow, 3 mi. Wagoner, 175 acres cultivation, 25 acres good timber, balance good grass, all tillable and smooth, at \$35.00 per acre. Adjoining land sold at \$42.50.

160, 3/4 S. W. Wagoner, good new 5 room house, fair barn, nice young orchard, 80 acres cultivation, balance good hay meadow; at \$35.00 per acre. Write for information.
W. H. LAWRENCE, The Land Man, Wagoner, Okla.

CADDO COUNTY OKLAHOMA

Corn, wheat, cotton and alfalfa lands, \$20.00 to \$75.00 per acre, according to improvements and distance from town. Lands are advancing rapidly. Now is the time to buy. Write for full information.
J. Eliza Johnston, Hinton, Okla.

SNAP

160 acres, 10 miles Okeene, 20 alfalfa, 50 wheat, 40 corn land, 50 pasture, house, bath, wells, smoke house. Farm implements, young mare, buggy, etc., go with farm. \$2,500 for 60 days. List free.
Russom & Proffitt, O'Keene Okla.

BARGAINS.

160 acres, fenced, level, 30 pasture, 5 miles Enid, chocolate sandy loam, 5 room frame house, cellar, 2 wells of good water, barn for 7 horses, granary, poultry house, small orchard, growing wheat. \$13,500. Other farms.
Texas & Oklahoma Land Co., Enid, Okla.

WANTED.

Party who can handle 700 acres of fine farming land for 3 yrs.; will sell one-half interest in land on terms or rent for one third. 100 acres in alfalfa; wanted in 300 acres or more.

FIRST LOAN & MORTGAGE CO.,

Watonga, Okla.

"Hough Sells the Earth."

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

Fine Second Bottom Farm

560 acres fine second bottom, practically all in cultivation; 2 miles from railroad; town; three sets of buildings; telephone; rural mail; school on one corner; this land will raise 75 bushels of corn, for a bale of cotton to the acre. Price \$55 per acre, terms on part.

R. B. Board, Muskogee, Okla.
First State Bank.

FORCED SALE ALFALFA AND CORN

Best Improved Farm in County Sacrificed at \$27.50 per A.

320 a., all level, as floor, center of large fertile valley subirrigated, champion alfalfa field of state in same section, producing \$75 to \$100 an acre per year, soil deep dark loam; 150 a. cultivated; 7 room house, barn 56x70, both new; orchard all kinds bearing fruit; two sets improvements fine spring soft water on each quarter; 3 hog pastures; 30 acres mow land; 8 mi. Sayre, Co. seat Beckham county and R'y Div. R. I. 1 mi good town; family circumstances forces sale at once. \$27.50 an acre, terms to suit purchaser. guaranteed description.

FRANK WINTERS, (owner)

Elk City,

Okla.

KANSAS LAND

HODGEMAN COUNTY BARGAINS.

\$20 acres extra fine smooth land close to Jetmore. 140 acres wheat all goes to purchaser. 80 acres first bottom and good alfalfa land, running water across one corner. Price \$20.00 per acre. Other good lands at very low prices and good terms. Write for price lists and county map.

F. M. PETERSON,

Jetmore, Kansas.

ESPECIAL BARGAINS TO FARM BUYERS.

151 acres, good black rich land; 115 acres in cultivation, 35 acres mow, and pasture. Bearing orchard, fine water, good 6-room house, other buildings. Burning natural gas, phone and mail route, on main traveled road, only one mile to center of town of 1,000. Half mile to school. Price \$37.50 per acre. Easy terms.

80 acres, limestone land, black and rich, 50 acres in cultivation, 30 acres mow, and pasture. Fine orchard, and small fruits. Fine water, good house and barn, half mile to church, 1/2 mile to school, 5 miles to town, 12 miles to Independence. Price \$2,500. Terms. Come and see us, or write for our list.

L. B. DAVIS & SON, Elk City, Montgomery County, Kansas.

RANCH PROPOSITION.

1,760 acres smooth land, 9 1/2 miles Dighton, small improvements, 600 acres cultivated, a bargain at \$10.50 per acre; might give some terms.

Warren V. Young, Dighton, Lane Co., Kan.

McPHERSON COUNTY STOCK FARM.

320 acres rolling land stock farm, well improved, 7-room house, 2 barns, fine water, fruit, some timber, all fenced, crossed, about half in cultivation, 40 acres alfalfa, 20 acres hog tight. R. F. D. Phone. Price \$14,500. Easy terms. Write

ROY T. GLASS, Canton, Kan.

BOURBON COUNTY FARM BARGAINS.

160 acres 4 miles north of Fort Scott, Kan. 65 acres in cultivation, 40 acres wild and tame meadow, 55 acres pasture, practically all tillable, good 5 room house, barn, abundance of water near school and R. F. D. telephone. Small orchard and grove. Price \$50 per acre. We have others. Write for list.

Murphy & Simpson, Fort Scott, Kan.

NEAR KINSLEY KANSAS.

320 acres second bottom land equally good for wheat, corn or alfalfa. 200 acres fine wheat lays perfectly smooth, rich black loam, small improvements, cheap at \$50 per acre.

R. C. GETTER, Hutchinson, Kan.

LAND FOR TRADERS—All of sec. 1-14 & 16 Logan county, Kansas for \$3,000 for the section. There is about \$1,500 still due the company and the equity would have to be cash. If you would like something for an investment this is a "peach." This railroad contract has about six years to run after March this coming year at 6 per cent. C. S. TINKLIN, Corning, Kan.

LABETTE CO. FARM.

80 acre farm, 6 miles northeast of Coffeyville, Kansas, nice rolling land, very productive, 1/2 can be cultivated, balance in good mow land and pasture; fenced and cross fenced, 1/2 mile to school, telephone and rural delivery, \$22.50 per acre. For further particulars write or call on

THE BOWMAN REALTY CO., Coffeyville, Kan.

ALFALFA FARM FOR \$31.

We sold 5 farms last week, buyers are learning that our land is better and cheaper. (Old Soldier's farms sold). Here is best snap:

200 acre farm cut from \$7,000 to \$6,200 because of wife's ill health. Good eight room house, good barn, etc., two acres alfalfa produced eight ton at three cuttings last season. 50 acres will grow it. 1/2 mile to school. Possession at once. Come.

DONAHUE & WALLINGFORD, Mound Valley, Labette Co., Kansas.

GOOD BARGAINS NEAR WICHITA.

80 a. all in cultivation, 15 a. alfalfa, good black loam soil fine for alfalfa or corn. 5 room house, barn for 6 horses with mow, granary, crib, hen and hog houses, buildings are all new, lots of woven wire and hog lots, good orchard and shade, fine water. Located 10 miles from Wichita and near good R. R. town on R. F. D. and phone. Possession can be had at once. Price \$6,000 for short time only. Come and see this.

ONE ACRE GROUND.

good store building with 8 living rooms and general stock merchandise, good barn, granary berries, etc. Located in a town surrounded with prosperous farmers. Price \$4,000, party must sell, this is a first-class proposition for a good Catholic. Come and see this.

THE NELSON REAL ESTATE & IMG. CO., 137 N. Main St., Wichita, Kan.

FOR EXCHANGE

320 a. in Anderson Co., Kan., 5 mi. from R. R. town improved; good farm, price \$45 per acre, mort. \$4750. Wants merchandise or small farm for equity. Write for list of bargains of sales and exchanges.

SPOHN BROS.,

Garnett, Kan.



LAND

A Good One Close In

Don't look at me but come and look at this farm of 153 acres only a half mile from Rock Island depot in Caldwell on main traveled road.

slightly location, high class quality of soil and lays just as you like to see them. A fair set of improvements in need of repair. This is just the place for some one wanting a piece of land without fault close up to a first class town so that the children can have high school advantages. Price \$11,000. \$5,000 can remain on place 5 years 6 per cent if desired. After February 1st, \$12,000. Other good ones. Write for list.

HEMBROW, THE LAND MAN, Caldwell, Kan.

KANSAS LAND

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

FREE LIST ANDERSON COUNTY, (Eastern Kansas) farms. Send your name today. The Wilson Land Co., Colony, Kan.

SALINE AND DICKINSON COUNTY BARGAINS.

\$30 to \$85 per acre. Any size tract, from 50 acres up.

T. E. Hale, Solomon, Kan.

BARGAINS FOR QUICK SALE

In Clay county farms, in well improved 80 and 160 acre tracts, for January and February. Write for my list. "There's a place for Everybody."

George A. Bigler, Clay Center, Kan.

A SNAP IN FOUR HUNDRED ACRE RANCH.

Two sets improvements; handy to school and church; 8 mi. R. R. town, 1/2 cult., bal. grass; \$13,000 will buy it before Feb. 1. In Marion Co., Kan.

Address Box 117, Marion, Kansas.

\$3,000 CASH.

Balance by owner, buys good 160 acre farm 3 miles from Arkansas City, Kan. 320 fine bottom farm at \$55 per acre. 160 all hog tight, good farm at \$50 acre. 240, most all Walnut river bottom, don't overflow, fine farm, at \$60 per acre. Ask for our thirty page land list.

Wm. Godby Co., Arkansas City, Kan.

DOUGLAS COUNTY.

320 acres, 3 miles court house, well improved, \$70 per acre. Must be sold within 30 days. 160 acres is actually worth \$100 an acre. Many other snaps. J. D. McNEILL, Successor to McQuary-McNeill Investment Co., Merchants National Bank Bldg., Lawrence, Kan.

BARGAIN

240 acres, 1 1/2 mi. Mankato, 8 room house, 90 acres pasture, 50 acres alfalfa, barn 40x60. Cheap at \$60 per acre. 160 acres, 4 mi. Jewell, 7 room house, barn, well, etc. 130 acres broke, 50 acres alfalfa. Price \$8,500.

J. M. Denton Realty Co., Jewell, Kan.

ACT QUICK.

Owner wants to sell great combination farm. Good buildings, rich bottom, well set pastures, splendid shade; unfailing water, springs, good timber, lots alfalfa, six miles Winfield, telephone, R. F. D., everything you want. Price \$40 acre.

Franks, Page & Harris, Winfield, Kan.

AN EXTRA FINE FARM.

240 acres, 1 1/2 miles from shipping station 5 miles from good town, on R. F. D. and telephone, 140 acres under cultivation, 100 acres in pasture, land in extra fine condition. Large house, large cattle barn 40x62 large horse barn, 40x50, all new, fine young orchard, 2 acres of timber. Lots and all fenced in best condition. Price \$50 per acre.

T. F. Collins, Harris, Kan.

A NO. 1 STOCK RANCH

of 800 in Republic county, 75 a. alfalfa, fenced hog tight, good improvements, all farm implements and hay tools also 100 head of high grade Shorthorn cattle goes with farm at \$50 per acre. Can give good terms. Other small farms for sale and business propositions for sale or trade.

P. J. GEORGE, Kansas.

EASTERN KANSAS FARM.

320 a. 2 mi. from County Seat 3000 pop. 160 a. in cult., 25 a. tame hay, 20 tame pasture. 30 a. hog tight, 8 room house, barn 50x70, holds 10 horses, 40 cattle, 50 tons hay, cribs and granary. Wells, mill and tank, orchard, small fruit, R. F. D. and Tel. 1 mi. to school. No waste land. Price \$50 per a.

C. H. DENNIS LAND CO., Kansas.

SEDGWICK COUNTY FARM BARGAIN.

160 acre farm, all level, black soil, no waste land, corn, wheat and alfalfa land; 90 acres in cultivation, 70 acres in native grass; fenced with hedge and wire and cross fenced; one of the best producing farms in the county; only 15 miles from Wichita and 4 miles from a good grain shipping point with two elevators, two railroads. Possession given if taken before the 1st of March, for quick sale \$55 per acre.

Beatty Realty Co., Opp. P. O., Wichita, Kan.

McPHERSON COUNTY BARGAINS.

240 acres, 2 1/2 miles from Railroad town, 130 acres cultivated, 1/2 is creek bottom and fine alfalfa land, balance corn land; 110 acres good pasture, fine water; new house, barn and other buildings. Well worth \$10,000. For quick sale owner will take \$9,000. With cash payment of \$3,000 or less. Possession March 1st. Don't pass this by. Act quick. It won't last very long.

JOSEPH A. BRANDT, Kansas.

BARGAIN

160 acres 1 mile from The County seat, 100 acres in cultivation, 80 acres of good alfalfa land, nice smooth land, good location. Price \$4,000. Three years time on \$1500 at 6 per cent, bal. cash.

LOHNES & CASON, Ness City, Kan.

KANSAS LAND

FOR SALE.

I offer a special bargain this week in a half section of smooth land, 1 1/2 miles from Colby, Kansas; the county seat, all broke out and seeded to winter wheat, in good season, all the wheat to go with the land. This wheat crop will go a long ways toward paying for the land. Price \$25 per acre. It will pay you to investigate this by writing the owner.

Colby, Ike W. CRUMLY, Kansas.

HERE IS A SNAP.

A splendid home of 60 acres within 1 1/2 miles of a good town. Good 1 1/2 story frame house of 5 rooms; pantry and cellar; good barn 24x30; room for 6 horses; good orchard; 40 acres excellent bottom land that does not everflow. 30 acres up land, mostly timber. Other good buildings and a very pleasant place for some one who wants a small farm. Price \$60 per acre. No trade.

Fredonia, C. R. CANTRALL, Kan.

44,000 ACRES

Just put on the market in Texas, close to the Simmons property, lays fine and a black sandy loam. We will sell the entire tract for \$10 per acre. A fine colonization proposition for some one who can handle this tract.

160 acres, 2 miles from a good town in McPherson county, Kansas, well improved, 100 acres under cultivation. Price \$5,500. Fifteen quarters in Hodgeman county, fine for a ranch. Price \$7.50 per acre.

Chas. Peterson, 1814 N. M. St., Hutchinson, Kan.

BARGAINS.

Farms, ranches, hotels, livery barns and other properties for sale direct. Manhattan hotel and furnishings, Iowa, Kansas, 3 story pressed brick, opposite new \$72,000 postoffice, cheap for cash; livery barn, best location in town of 1,000, \$1,500; 57 acres blue grass pasture, joining same town, \$5,000; 520 acre ranch, Barber county, fenced, house, 50 cultivated, more can be, plenty water and timber, \$5,000; 1,520 acre ranch, with 900 acres leased land, all fenced 6 room house, plenty timber, abundance of water, on main traveled road; price \$15,200; terms, if needed, 1-3 or 1-3 cash, balance to suit at low rate of interest.

F. H. FOLEY, Owner, Thayer, Kan., or Manhattan Hotel, Iowa, Kansas.

TEXAS LAND

NEAR OKLAHOMA.

Seven sections, Wheeler County, Texas—practically all tillable, raises big crops, corn, wheat, Kafir, milo maize, broom corn, melons and all staples. Good crops here last year. Goes in section lots; extremely reasonable prices.

CAINE & BINKLEY, Cotton Dealers and Owners, Oklahoma City, Oklahoma.

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

J. N. JOHNSON LAND COMPANY, Dalhart, Texas.

NEBRASKA LAND

LOOK! LISTEN.

Don't wait until the last minute to order your Okla. Some of my breeds are sold out now. I still have a good supply of S. C. White and Brown Leghorns, S. C. White Minorcas and B. P. Rocks. Get busy. Order now. Price \$2. Address,

WALKER & HOGUE, Fairfield, Neb.

FINE STOCK OR DAIRY TRACT.

65 acres adjoining town of 2,500; all creek bottom; running water; large house; 19 acres alfalfa, 18 acres bluegrass pasture, 20 acres cultivated; most beautiful residence location in Republican Valley, and cannot be surpassed for thoroughbred stock or dairy farm. Easy terms.

Red Cloud Real Estate Co., Red Cloud, Neb.

TWO SPLENDID FARM BARGAINS.

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

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

For other snaps in farm and ranch lands write or see

ACKEEMAN & STEPHENS, McCook, Neb.

MEXICAN LAND

LAND OPENING!

The beautiful Jaritas Valley in New Mexico is opening for settlement. 4000 acres of fine, smooth, IRRIGATED and every acre within four miles of El Paso & Southwestern Railway. Deep, sandy soil; abundant water; fine climate. Reasonable price; easy terms. Water for 1910 crop.

The Jaritas Valley lies close to the Colorado and Oklahoma State lines. Write today for FREE particulars map rates, etc.

THE JARITAS VALLEY LAND BOARD, Midland Building, Kansas City, Mo.

OKLAHOMA LAND

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

FOR FREE INFORMATION about Beckham county, Okla., land, at \$3,000 to \$6,000 a quarter. Write to or call on E. A. HOLMES, Real Estate, Erick, Okla.

CADDIS COUNTY LANDS

At reasonable prices on good terms. Write for full information.

J. H. CORDER & SONS,

Hinton, Oklahoma.

WASHITA VALLEY LANDS.

Rapidly increasing in value; reasonable prices. Good upland, \$15 to \$35 acre. We own lands here, and sell at lowest prices. For good homes or investments, write us.

THOMPSON & MCCONAHEY, 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, Okla.

CORN AND ALFALFA LANDS.

In Canadian County, the cream of Oklahoma; a place where good crops and prosperity reign supreme. Write today for prices and information.

NEW STATE REALTY CO., Oklahoma.

BECKHAM COUNTY, OKLA.

160 acres 2 miles Doxey, railroad town, house, barn, 100 in cultivation, 700 peach and apple trees, our years old, 140 tillable. \$3000. Terms. Other farms. Will sell at extremely reasonable prices.

Mangus, SECURITY INV. CO., Okla.

FINE ALFALFA FARM.

480 acres, rich, alluvial valley soil, 260 under plow, 25 alfalfa, fair improvements, living water, good well 7 miles railroad, \$35.00 per acre. Terms. Many other snaps.

W. C. ATKINSON, Gotebo, Kiowa Co., Okla.

BARGAIN.

160 acres valley land; 8 miles town, 120 broke, 18 alfalfa, orchard, house, stable, cribs, good well, R. F. D. 1-4 mile store and post office, fenced, cross-fenced. Price \$4,800, long time, easy terms. Other bargains.

C. V. CLARK, Mountain View, Okla.

ALFALFA RANCH KIOWA COUNTY.

160 acres dark loam, valley land, sub-irrigated, 10 ft. to water, 2 miles good town; all tillable, 130 cultivation, 25 alfalfa, fenced well, good buildings; clear. Price \$6,250.00, \$1,250.00 cash, balance easy terms. Other farms.

Gotebo, H. H. ANDERSON, Okla.

REAL ESTATE BROKERS.

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

McMILLIAN & LANFORD, Mangus, Okla.

IMPROVED FARMS.

180 acres, 100 in cultivation, good 9 room house, barn 45x65, tool shed and granary, 40x40, orchard, telephone, R. F. D., near school, 4 miles of county seat; price \$9,000. Write.

Vinita, J. T. RAGAN, Okla.

MCLEAN COUNTY.

Timber and prairie lands \$10 to \$50 acre, mostly on good terms. Lands have never been boomed; will undoubtedly double in value soon. For a good investment or speculation write us.

BYARS REAL ESTATE CO., Byars, Okla.

WASHITA VALLEY LAND.

Good corn and alfalfa farm four miles Pauls Valley. One mile State Industrial School. 170 acres, 150 under cultivation. 150 acres Washita Valley. Six room house. Above overflow. Electric line soon. Price \$10,000.

Pauls Valley, O. W. JONES, Okla.

GOOD FARM.

160 acres, 6 miles Tecumseh, 80 in cultivation, good buildings, 6 acre orchard, in fine good bearing condition, marketed 1,000 bushels in 1909. Price \$2,500; easy terms. Other farms. For sale on small payments and long time.

E. J. DICKERSON, Tecumseh, Oklahoma.

OKLAHOMA LAND.

Where corn, wheat, alfalfa and cotton are making the farmers rich. We specialize on Oklahoma, Cleveland, Logan and Washita Counties. Fine alfalfa lands, \$30 and upward. Write for list and printed matter, mailed free. We also lead all in Oklahoma City Property.

FARM & HOME INV. CO., Cullbertson Bldg. Oklahoma City, Okla.

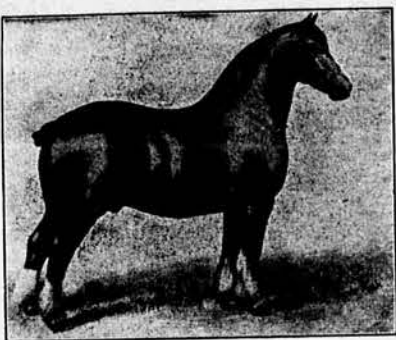
560 ACRES of bottom land, 6 miles from Cold Springs and 10 miles from Roosevelt, both railroad towns in Kiowa, Okla. 160 acres in alfalfa, all under fence, most of it hog fence, good improvements, living water, very best of corn and alfalfa land. Price \$32,500. Write for free list of lands in Oklahoma.

JENKINS & MAJOR REAL ESTATE CO., Chickasha, Oklahoma.

GRANT CO., OKLA., SNAPS.

329 a. farm, 7 miles of county seat, 3 1/2 miles of R. R. town, 1 1/2 mile to school, 160 a. deeded, 160 a. school land, 1.3 of 200 a. wheat, 4 miles of fence 4 wires, 12 a. alfalfa large orchard of all kinds of fruit, 8 room house, summer kitchen of two rooms, 2 barns, 40x56 and 40x44, large granary, 2 wells and mills, 2 hen houses, 10x28, black smith shop, 45 a. pasture, 265 a. in cultivation, good soil telephone and mail route. Price \$3,500 for 30 days.

BATTEN REALTY CO., Medford, Oklahoma.

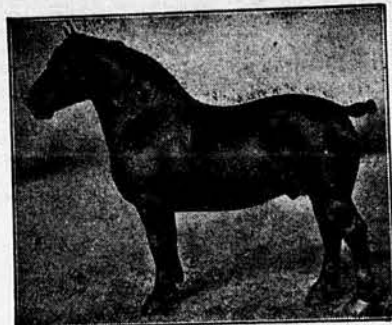


GET BUSY

You are missing the opportunity of a life time if you do not send and get OUR NEW 1910 CATALOG before buying a stallion. It will show you a large number of actual photographs of stallions now in our stables. These horses were all selected and imported early in the fall of the year 1909 and are all in prime condition to go out on the stand and do a big season's business. They are nearly all solid colors, range in age from 3 to 6 years, in weight from 1700 to 2000 pounds. They are the big-boned, clocky type, with lots of style and action. Our 60 per cent breeding guarantee is as good as a Government Bond. GET OUR CATALOG. It is free for the asking.

WATSON, WOODS BROS. & KELLY CO.,

LINCOLN, NEB.



Imported Percheron Mares and Stallion

For sale, several nicely matched teams of two and three year old Imported Percheron mares, bred, black and grays. Several extra good two and three year old imported stallions. We handle only the best. Come and see us.

J. A. FEE & SONS, STAFFORD, KAN.

FOR SALE.

Extra good black Percheron stallion, sure breeder, a ton horse. GEO. GROENMILLER, Pomona, Kan.

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

Up-to-date Poland China hogs. Write your wants.

H. N. HOLDEMAN, Kansas.

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

QUALITY PERCHERONS.

A few head of stallions from 3 to 7 years including Imp. Alfort, a ton horse of rich Brilliant blood. Also a few Standard bred mares. Buyers met in Topeka on notice.

JOHN A. PECK, Phone Watson Exchange, Tecumseh, Kan.

FOR SALE—I have a good road or general purpose stallion (Standard bred, but not registered), sired by Douglas Almont (0398), by Allie Gaines by Almost (33), dam by "Champtonian" by Hambletonian 10. Bred by the present owner, has never been abused and is a sure foal getter and gets good ones. Fine disposition. \$300 will buy him. Address "H," Box 814, Baldwin, Kan.

STALLIONS AND JACKS.

2 black Percheron Stallions.
2 Chestnut Stallions (Standard bred).
1 Spanish Jack.
1 Mammoth Jack.
No better individuals or surer sires in Kansas. You run no chances. Their colts are here to show. All qualified under the Stallion law.
If you want the very best at reasonable prices, come quick.

SUTTON FARMS, Lawrence, Kan.

Dunham's Percherons

Next large importation of stallions and mares, February 10th, which, added to our present stock, offers intending purchasers the finest collection in America. If you want the best horses, horses with bone, quality, size, action and best breeding stallions or mares; if you want fair and liberal treatment; if you want lowest prices consistent with good merchandise visit Oaklawn. Catalog shows the place and the horses.

W. S., J. B., & B. DUNHAM, WAYNE, ILL.



H. & H. WOLF and DAVID COOPER

Imported and Home Bred Belgian Stallions.
Branch barn of H. & H. Wolf, Wabash, Ind.

The same terms and insurance will be given at Freeport, Kan., as at Wabash, Ind. Several extra good two, three and four year old stallions, one that weighs a ton and ten pounds at 27 months old. All are good individuals, guaranteed as represented. Priced reasonable. Write or call and see me.

DAVID COOPER, Mgr., Freeport, Harper County, Kan.

JACKS

I have on hand a large collection of the best stallions the world produces. I have the best line of big boned, dapple gray and black, ton stallions that can be shown in the United States this season. These stallions measure from twelve to fourteen inches below the gamble and from eleven to thirteen inches below the knee and carry corresponding quality. They run in weights from 1,800 to 2,630 pounds each. I am offering greater attractions in stallions than any other importer. Prices the lowest. I have also forty big imported mares, all in foal, for sale.

W. L. DECLOW, Cedar Rapids Importing Farm, Cedar Rapids, Iowa.
Register your jacks in the American Jack Registry. Write for blanks.

STALLION AND JACKS FOR SALE

Young Percheron stallions, home bred, and Mammoth jacks for sale.

SOUTH ATHOL STOCK FARM, O. A. Scott, Athol, Kan.

STALLIONS AND JACKS

Several Kentucky jacks from 15 to 18 hands high. One mile from town.
BRUCE SAUNDERS, Kansas.
Holton,

FAIRVIEW JACK AND JENNET FARM

Registered Mammoth Jacks and jennets for sale cheap, at all times quality considered. They have big bones, big heads and ears, and breed big mules. They are Missouri jacks—the best that grow—14½ to 16 hands high. A big lot to select from. Everything guaranteed as represented. Established 1892.

J. C. HUCKSTEP, Proprietor, EOLIA, MO.

75 HEAD JACKS AND JENNETS

All ages up to seven years old. Guaranteed as represented and prices reasonable. Special prices for fall trade. Come and see me.
PHIL WALKER, KAN.
MOLINE,

35 JACKS & JENNETS 35

Few good Percheron and saddle stallions. Jacks 14½ to 16 hands and the very largest that can be found. 40 miles K. C. on U. P. and Santa Fe.
Long distance phone

AL E. SMITH, Lawrence, Kan

PERCHERONS, SHIRES SADDLERS AND JACKS

28 registered jacks and jennets, 12 registered Percheron stallions and mares, 1 Imp. Shire stallion. 1 comb. harness and saddle stallion. Good stuff and at prices that will move them. Barns 3 blocks north depot.
Fred Poos, Petter, Kan.

JACKS FOR SALE

WE have at all times a good supply of Jacks from 14½ to 16 hands high. Buy one this fall and save money. Thirty head to select from.
All Guaranteed.

PETTY BROS., SEDALIA, MISSOURI

STALLIONS AND JACKS.

One 4 year old Belgian stallion.
One Percheron stallion.
One standard bred stallion.
One eight-year-old extra good black jack, meaty points, guaranteed all right and a good breeder. All these stallions are registered and will be sold at a bargain if sold soon. Will trade for good land. Come and see me.
J. M. HEDGES, Chase, Kan.

For Sale

27 Missouri Mammoth jacks and jennets, 3 stallions and Hereford cattle.
J. T. Watson, New London, Ralls Co., Mo.



M. H. ROLLER,

Breeders of registered jacks and jennets. For sale 14 jacks and 20 jennets 14 to 16 hands. All black. We raised all of these jacks and broke them. We are not speculators and you get them first hands if you buy from us. 89 miles N. W. of K. C., 65 miles W. of Leavenworth. 6 passenger trains daily except Sunday, 2 Sunday. Write for catalog—Free for asking if Kansas Farmer is mentioned. M. H. & J. O. ROLLER, Circleville, Kan.

J. O. ROLLER.

Breeders of registered jacks and jennets. For sale 14 jacks and 20 jennets 14 to 16 hands. All black. We raised all of these jacks and broke them. We are not speculators and you get them first hands if you buy from us. 89 miles N. W. of K. C., 65 miles W. of Leavenworth. 6 passenger trains daily except Sunday, 2 Sunday. Write for catalog—Free for asking if Kansas Farmer is mentioned. M. H. & J. O. ROLLER, Circleville, Kan.

Draft Stallions and Mares

Imported and Home Bred Registered Percherons, Belgians and Shires.



We have over 200 young stallions and mares. All will make ton horses and we will guarantee satisfaction in quality and price. 60 per cent guarantee on stallions and mares guaranteed breeders. Come and see. Send for catalog.

NORTH & ROBINSON, Grand Island, Neb.,



Percheron Stallions

I am offering an extra good lot of 2- and 3-year old Stallions for sale. Big drafty fellows with lots of bone. Also have a few mares for sale from yearlings to 8 years old.

R. F. D. 2. J. W. BARNHART, Butler, Mo.



—PERCHERONS—SHIRES - BELGIANS

We received on Dec. 30th at our So. St. Joseph barns another carload of Percherons. All of our stallions and mares are imported; no home-bred, short-bred scrubs. Our prices are the very lowest if you want a square deal, with the best and safest insurance and guarantee. All street cars going south from Union Depot pass our barns; one block from Transit House; one block from the South St. Joseph depot. PERCHERON IMPORTING CO., Chas. R. Kirk, Pres., So. St. Joseph, Mo.

LAKEWOOD FARM

The Greatest Breeding Establishment in the World.

Calypso, the world's champion, at head of stud. Sensational show record: 30 prizes awarded Lakewood Percherons at International 1908, 12 of which were firsts and championships, a record never before equaled by any other exhibitor. In addition Lakewood Percherons won 156 prizes at the great state fairs and expositions of the west the past season, 76 of which were firsts and championships. A grand lot of big, heavy boned stallions, and a choice selection of mares at prices that defy competition. If you want the best, do not fail to visit Lakewood Farm before buying.

H. G. McMillan & Sons, Rock Rapids, Ia.

Branch Barns, Sioux City, Ia.

Great Falls, Mont.

ROBISON'S PERCHERONS

Do not forget my tenth annual sale of sixty registered Percheron stallions, mares and colts at fair grounds, Wichita, Kan., February 15, 1910.

This offering will be up to the high standard of the Robison Percherons. The sale will include six imported stallions, twenty American bred stallions, twenty mares bred to Casino. Mares and colts sired by Casino.

Send for catalog and mention the Kansas Farmer.

J. C. ROBISON, - - Towanda, Kansas

FOR SALE AT RIVERSIDE-STOCK FARM.

5 Percheron Stallions from 2 to 5 years old, 5 Percheron mares from 15 months old to 5 years old. All colors good. All registered and breeding guaranteed. A fine young registered Shorthorn Herd with Royal Glosster at the head, a pure Scotch bred bull. I will trade this herd on a good farm. Come and see my stock or write.

O. L. THISLER & SONS,


Kansas.

BUY HARNESS FROM
MAKER—SAVE 1/3 TO 1/2

We Pay Freight

You not only save one-third to one-half when you buy Harness from us, but you get the best Harness in the world; made by expert harness makers, in a splendidly equipped shop, from the best material money can buy. Every Harness built on honor and sold direct with but one small profit between maker and user. Get our big Harness Book before you buy. Free—Send today. H. & M. Harness Shop, 302 Ill. Av., So. St. Joseph, Mo.

Big Book FREE



Teagarden's Duroc Sale Feb. 4.

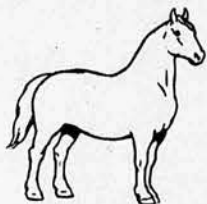
T. P. Teagarden, the well known and much liked Duroc Jersey breeder located at Wayne, Kan., will hold his annual bred sow sale at the farm on Friday, Feb. 4. The offering will consist of about 40 head, 34 of which will be tried sows, fall yearlings and spring gilts all bred for early farrow to Mr. Teagarden's splendid young boars T. P.'s Col. 22005, Wayne Col. 22007 and Wayne Wonder 22003. The first two named are sons of King of Col's II. Wayne Col. is a line bred Col. boar and T. P.'s Col. is out of a dam by W. L. A.'s Choice Goods. Wayne Wonder is a great pig and

a grandson of Neb. Wonder. These young boars are outstanding individuals and there is certainly none better bred. The gilts and sows are by such sires as Mr. Teagarden's great old boar Ripley Topnotcher bred by Chester Thomas and one of the best sows the writer ever saw. Young Higgins by the great boar Higgins Model, Woodlawn Prince by Fancy Orion three gilts by Bell's Chief of World's Fair fame, 8 by Primrose Chief a son of Model Chief. Their dam was Chief's Girl by Belles Chief II, a number are by T. P.'s Wonder son of Nebraska Wonder. This is one of the good sales to attend, no postponement on account of weather and trains met at all nearby towns. Bids can be sent in Mr. Teagarden's care to field men or auctioneer.

Percheron Mares and Stallions Registered

Several matched teams of Percheron mares, all blacks, safe in foal by Imported Stallions. Have both imported and home bred mares. Come and see our horses and satisfy yourself.

Our Motto: Top notch animals, square deal, quick sales, small profits. Make your wants known.



DANIEL WREN, Manager,
 EUREKA, - - - KANSAS

DESIGNER BIG KIND

—OF— POLAND CHINAS

C. S. NEVIUS WILL SELL AT CHILES, KAN.
FEB. 11, 1910

- 10 Aged tried sows bred and safe for early litters.
- 10 Yearling sows that have raised litters and bred again for early litters.
- 20 Fall gilts large and growthy.
- 10 Spring gilts and a few good boars, all the big, smooth, prolific kind.

My herd boars are Designer by Expansion, Major Look by Grand Look and out of Mollie K., Columbia Expansion by Columbia Chief, and Hadley's Model.

This will positively be one of the best and most useful lot of brood sows to be sold this year. Send for catalog and come to my sale at

CHILES, KAN, FEBRUARY 11, 1910.

C. S. NEVIUS, CHILES, KAN.

Auctioneer, R. L. Harriman.

HOLLAND STOCK FARM

IMPORTERS AND BREEDERS OF

Percheron and German Coach Stallions and Mares

We can supply you with two and three-year-old imported Percheron stallions of the popular colors black-greys and solid blacks for less money than others. Imported German Coach Stallions of superb action and beauty. Young registered American-bred Percheron stallions and mares.

Springfield,

CHAS. HOLLAND, PROP.,

Missouri.

Roy T. Glass, a prominent real estate dealer located at Canton, Kan., has listed a 320-acre stock farm in McPherson county, that is an exceptionally good bargain at the price quoted. See description and price on another page in this issue.

KENTUCKY MAMMOTH JACKS

Jacks, jennets and saddle horses. 200 head to select from. Tamworth swine all ages. Catalogs now ready.

J. F. COOK & CO.,

Lexington,

Ky.

HORSE MEN

We want to call your attention to our fine lot of IMPORTED AND AMERICAN BRED STALLIONS AND MARES. SHIRES PERCHERONS BELGIANS

We always have our barn full numbering up to sixty and you would do well to see us before buying elsewhere. Are going to make extra low prices for the next thirty days in order to make room for our spring shipment. We solicit correspondence, and invite you to come and see the grandest lot of horses ever brought together. Will give terms to suit the buyer. Don't buy without looking at these or you will miss a bargain.

L. R. WILEY & SON, Elmdale, Kansas.

FRANK IAMS'

new importation of draft stallions and mares arrived September 20, 1909, by "Iams' own special train" of "ten express cars." They are "business propositions" that "jar the cherries" on a "wide-awake" "horseman's hat." Iams' "Peaches and Cream" stallions and mares are "eye-openers." They are "diamonds," sold "at fifty cents on the dollar." They are "winners" and "sons of winners," having won "eighty prizes and medals" at Paris and Brussels and leading European horse shows. Iams makes buyers.

"SIT UP AND TAKE NOTICE"

"Ikey Boys" get into Iams' "money-saving game." Buy a stallion and mare today—save \$300.00. Iams "tickles" buyers with "Rippers" at "Let Live Prices." Owing to bad crops, panic—Iams' cash, his 27 years' successful business. He bought and sells better horses cheaper than ever. Mamma, Iams is a "hot advertiser," but, "he has the goods" and sells horses at his barns only. Buyers get the "middlemen's profits" at Iams'. Iams has

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two to six years old, weighing 1,700 to 2,500 pounds; 90 per cent blacks, 50 per cent ton stallions. All registered and branded. He sells "toppers" at \$1,000 and \$1,400 (fe higher), mares \$700 to \$1,000, so good they need not be "peddled" or put on the "auction block" to be sold. Iams' "selling clothes" fit all buyers. No man with money or bankable notes gets away from Iams. He buys, owns and sells more stallions than any man in the United States; saves thousands dollars to stallion buyers. He is not in the

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Ikey, what "a graft" these "stallion salesmen" are working on the farmer, selling fourth-rate stallions at \$2,000 and \$5,000! Mr. Buyer, see Iams' stallions yourself. Take no stallion salesman's word. "Iams has the goods you read about." His establishment is worth going 2,000 miles to see. Iams' competitors "holler." He is knocking "high prices" out of the Xmas tree. Iams saws wood, "butts in," sells more stallions each year. He makes every statement good. Big Bill, buy a stallion of Iams. His \$1,200 stallions are much better than our neighbors paid those Ohio men \$4,000 for. Then I can wear diamonds. Iams speaks the languages, buys direct from breeders, pays no buyers, salesmen or interpreters; has no two to ten men as partners to share profits with. Iams guarantees to sell you a better stallion at \$1,000 to \$1,500 than are sold to stock companies at \$2,500 to \$5,000 by slick salesmen, or pay you \$500 for your trouble, you the judge. Iams pays horses' freight and buyers' fare; gives 60 per cent breeding guarantee. Iams' guarantee is backed by one-half million dollars. Write for Million Dollar Horse Catalog, Greatest on Earth.

References—St. Paul State Bank and Citizens' National Bank,

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SAMUELSON BROS. DUROC BRED SOW SALE CIRCUIT

MANHATTAN, KAN., TUESDAY, FEB. 8.

12 tried sows, 23 fall yearlings, 33 spring gilts, bred for March and April farrow, to Belle's Chief 2d, Riley by King of Cols. 2d and other good boars.

CLEBURNE, KAN., WEDNESDAY, FEB. 9.

10 tried sows, 15 fall yearlings, 30 spring gilts, bred for early farrow to Whitehouse King by White Hall King, Bold Boy by Bold Count and Rollin J. by Wonder Chief.

BLAINE, KAN.

THURSDAY, FEB. 10.

3 tried sows, 2 fall yearlings, 37 spring gilts bred for spring farrow by Buddy Onward by Buddy K. 4th and a good son of White House King.

165 good individuals, sired by such boars as Doty Wonder, You Bet by Brilliant, Rose Top Notcher, King's Model, Tatterax, etc. Plan to attend all three sales. For catalog address

Samuelson Bros., Manhattan, Kan.

Auctioneers, L. R. Brady, Jas. T. McCulloch. Bids may be sent to Jesse Johnson, representing this paper.

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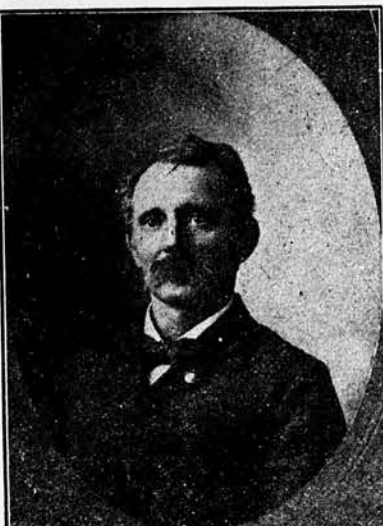
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TEAGARDEN'S ANNUAL DUROC JERSEY BRED SOW SALE FRIDAY, FEBRUARY 4

At farm adjoining Wayne, 5 miles east of Talmo and 9 miles southeast of Belleville, Kansas.



40 Head

Consisting of tried sows, fall yearlings, spring gilts and a few fall pigs of both sexes.

34 Head

of sows and gilts bred for March and April farrow to Wayne Col. by King of Cols. 2d, T. P.'s Col. by King of Cols. 2d, and Wayne Wonder, grandson of Neb. Wonder. Sows in sale are by such sires as Ripley Top Notcher, Young Model by Higgins Model, Woodlawn Prince, etc. Gilts by Aipley Top Notcher, T. P.'s Kantbeate, Belle's Chief 22727 and Primrose Chief by Model Chief. Sold in excellent breeding condition. Free entertainment and transportation from Wayne, Talmo, or Agenda, Kan.

Auctioneer, P. J. George. Send for bids to J. W. or Jesse Johnson in my care.

T. P. Teagarden, Wayne, Kan.

O. S. Nevius Sale Feb. 11, 1910.

One of the approaching events is the Designer Poland China sale of O. S. Nevius at Chiles, Kan. Mr. Nevius is a man whom all the breeders of Kansas should get better acquainted with and get better acquainted with his herd of hogs and Short-horn cattle. He will sell in this sale 40 useful sows and gilts and we positively know they are as good as he has in the herd. Nevius don't keep back the best. He sells as good as he keeps and this is why they go on and make good to the purchaser. Look up his advertisement in this issue and send for a catalog. Don't fail to attend this sale. Kindly mention the Kansas Farmer when writing.

The Sale of Lakewood Percherons.

At Sioux City, Iowa, on Feb. 8, 9, there will be held a great sale of the famous Lakewood Percherons owned by H. G. McMillan & Sons of Rock Rapids, Iowa. This stud is headed by the champion Calypso and has a wonderful record in the prize ring. In the last five years the Lakewood Percherons have won 515 prizes at such great shows as the Chicago International, the Iowa, Minnesota and South Dakota state fairs and at the Sioux City Interstate Fair. Of these prizes 244 were first and championships. Calypso has won the grand championship prize 26 times and has never been defeated. At the International at Chicago last December the Lakewood Percherons won 30 prizes of which 12 were firsts and championships. No other exhibitor has equalled this record. Send at once for a catalog of these sale animals and arrange to be present when they sell.

The Cross & Miner Duroc Sale.

In this issue will be found the advertisement of the A. T. Cross and H. B. Miner combination sale of Duroc Jersey bred sows at Superior, Neb., Wednesday, February 9. The writer has visited both these herds recently and does not hesitate to say that the offering that they will put up at Superior on the 9th of February is as topsey as any he has seen this season. The breeding is very desirable and the individual merit of the offering is fully up to the standard. The offering numbers 40 head and is made up of 15 tried sows and 25 spring gilts. The tried sows are sows that have raised one or two litters each and are not old. They are sired by Ohio Chief, Belle's Chief, Pilot Wonder, Pearl's Golden Rule, Lincoln Top and others. The gilts are, many of them, out of these great sows and are sired by Pilot Chief, Red Diamond, Col. C., and Valley Chief. Every thing is bred for early farrow and to the very best advantage to one or the other of the herd sows. Much more could be said about the breeding and attractions in this offering but their catalog which is ready right now will give all the particulars. We want to say this in closing, that if you attend this sale or send bids to it you will never regret doing so. They are both young men who do exactly as they agree in every instance. Send bids to J. W. Johnson, of Kansas Farmer.

Roy Johnston Makes Good Sale.

One of the best sales of the season was pulled off at South Mound, Kan., Thursday, Jan. 20. The sale was well advertised and buyers were present from Missouri, Kansas and Oklahoma. A large number of mail bids were handled both by the auctioneers and fieldmen. The sale was conducted by Col. Frank J. Zau, Independence, Mo.; Col. James W. Sparks, Marshall, Mo.; Col. R. L. Harriman, Buncheon, Mo. W. B. Wallace, of Buncheon, Mo., was the heaviest buyer. The tops of the sale was \$150 paid by both W. B. Wallace and Mr. L. V. Okief of Stillwater, Kan. G. A. King, of Cullison, Kan., bought two gilts that were not cataloged at \$30 each. They were nicely bred and were real bargains at this price. Following is the report in full:

1. Lyon Beauty, Burt Johnston, South Mound, Kan.	\$97.50
2. Miss Topsy, C. S. Nevius, Chiles, Kan.	70.00
3. Madam Shaply, W. B. Wallace, Buncheon, Mo.	110.00
4. Long Cora, S. N. Hodson, Parker, Kan.	90.00
5. Cora Logan, Z. Z. Baker, Butler, Mo.	85.50
6. Cora's Best, James Swuny, Buffalo, Kan.	79.00
7. Orange Look, W. B. Wallace, 150.00	
8. Bright Eye, L. V. Okief, Stillwater, Kan.	150.00
9. Henrietta, Thos. Long, St. Paul, Kan.	35.00
10. Erie Maid, J. B. Deleham, Platt City, Mo.	71.00
11. Geo. Wedd & Son, Spring Hill, Kan.	82.50
12. Wm. Knox, South Haven, Kan.	40.00
13. Frank Meachel, Erie, Kan.	77.00
14. J. A. Johnston, South Mound, Kan.	46.00
15. H. F. Pelfrey, Humboldt, Kan.	66.00
16. Burt Johnston, South Mound, Kan.	40.00
17. C. S. Nevius, 40.00	
18. W. A. Baker, Butler, Mo.	80.00
19. H. F. Pelfrey, 56.00	
20. Deming Ranch, Oswego, Kan.	60.00
21. Jas. W. Pelfrey, Chanute, Kan.	75.00
22. E. B. Potts, South Mound, Kan.	47.00
23. Edgar Okief, Stillwater, Kan.	45.00
24. Thos. D. Hubbard, Erie, Kan.	38.00
25. E. B. Potts, 45.00	
26. Tom Long, St. Paul, Kan.	39.00
27. C. S. Fisher, Buffalo, Kan.	29.00
28. Deming Ranch, 40.00	
29. I. Allen, Hartford, Kan.	31.00
30. H. F. Pelfrey, 60.00	
31. I. Allen, 60.00	
32. Fred Johnston, 40.00	
33. L. V. Okief, 55.00	
34. W. B. Wallace, 75.00	
35. Tom Long, 46.00	
36. J. F. Stevenson, South Mound, Kan.	44.00
37. Frank Meachel, 60.00	
38. G. A. King, Cullison, Kan.	30.00
39. G. A. King, 30.00	

The Dawson Poland China Sale.

The Poland China sale which was held at Topeka State Fair grounds on Saturday, Jan. 22, by H. C. Dawson Sons, Endicott, Neb., and W. E. Willey, Steele City, Neb., was a good one. The crowd in attendance was not as large as it might have been but it was made up of buyers and the sale was a snappy one from start to finish. There were but few local buyers present and those who came were breeders who knew of the reputation of the Dawson hogs and the wonderful Expansion blood and who wanted some of it. The Dawson herd boar, Colossus, to whom many of the Expansion and Grand Look sows and gilts had been bred was champion of the breed at the Topeka State Fair last fall and this created a desire to own some of his stuff. One farmer who bought an Expansion boar at the Topeka fair of 1908 said

it did not seem possible that even a boar of this breeding could make such a difference in a herd in so short a time as he had done. There were no fancy prices paid at this sale. The show gilt, Expansion Wonder by Expansion and bred to Defende 54201, went to J. D. Wolfong, Zeandale, at \$102 and topped the sale. Dr. F. O. Brown, Reading, came second with Colossus Belle 36924 by the champion Colossus 129077 at \$82. The sale follows:

0. Freeman & Williams, Valley Falls, Mo.	\$59
1. Dr. T. O. Brown, Reading, Mo.	32
2. J. D. Wolfong, Zeandale, Mo.	102
3. G. A. King, Cullison, Mo.	42
4. J. W. Russell, Topeka, Mo.	31
5. Gus. Bonnier, Topeka, Mo.	41
6. J. H. Harter, Westmoreland, Mo.	35
7. W. W. Wheeler, Grantville, Mo.	36
8. L. E. Klein, Zeandale, Mo.	38
9. E. D. Keener, Belvue, Mo.	52
10. W. H. Enfield, Iola, Mo.	41
11. W. E. VanHorn, Overbrook, Mo.	33
12. J. G. Fraser, Halstead, Mo.	45
13. J. B. Dunham, McPherson, Mo.	56
14. L. E. Klein, 35	
15. Dr. T. O. Brown, 51	
16. W. E. Long, Ozark, Mo.	50
17. A. W. McBarney, Halstead, Mo.	61
18. L. E. Klein, 38	
19. John Neiswender, Silver Lake, Mo.	62
20. Gus. Bonnier, 40	
21. John Neiswender, 51	
22. W. F. Leland, Troy, Mo.	35
23. J. B. Darrah, McPherson, Mo.	38
24. Ed. Walter, Westmoreland, Mo.	38
25. J. A. Shirley, Newman, Mo.	38
26. Adolph Toemeden, Eudora, Mo.	38
27. Freeman & Williams, 37	
28. Freeman & Williams, 71	
29. J. B. Darrah, 43	
30. J. B. Dunham, 60	
31. J. W. Harter, 35	
32. Jos. Snyder, Nortonville, Mo.	30
33. J. W. Harter, 35	
34. W. A. Long, Ozark, Mo.	30
35. M. A. Fleischer, Hoyt, Mo.	39
36. W. B. Van Horn, Kan.	39
37. J. B. Zinn, Topeka, Mo.	32

Several young boars were sold at an average price of about \$30. The sows and gilts averaged \$46.

Dietrich & Spaulding and A. L. Albright's High Class Offering Sold Below Real Value.

On Saturday, Jan. 22, Dietrich & Spaulding sold a very high class offering at Ottawa, Kan. Owing to other Poland China sales being held so near Ottawa on the same date the buyers were divided and the local support was not very strong. Following is report in full:

1—E. M. Chatterton, Colony, Kan.	\$47.00
2—J. J. Findley, Smithton, Mo.	47.00
3—Frank Craig, Ottawa, Kan.	48.00
4—H. H. Hatton, Michigan Valley, Kan.	45.00
5—Morton Bros, Tampa, Kan.	60.00
6—R. Berkey, Louisville, Kan.	41.00
7—John Marsh, Ottawa, Kan.	20.00
8—G. H. Keple, Baldwin, Kan.	37.50
9—W. H. Colvin, Garnett, Kan.	39.00
10—John Marsh, 21.00	
11—R. F. Ledekey, Wellsville, Kan.	44.00
12—Frank Craig, 28.00	
13—Frank Hoffman, 27.00	
14—E. J. Manderschied, St. John, Kan.	37.00
15—P. L. Ware, Olathe, Kan.	32.00
16—F. F. Dougherty, Ottawa, Kan.	39.00
17—E. M. Chatterton, Colony, Kan.	39.00
18—Frank Zimmerman, Centerville, Kan.	34.00
19—J. G. Montague, Pomona, Kan.	47.00
20—W. C. Burrows, Waverly, Kan.	48.00
21—F. Craig, 21.00	
22—J. L. Hatfield, Pomona, Kan.	37.00
23—F. Craine, Ottawa, Kan.	39.00
24—H. Hampton, Ottawa, Kan.	44.00
25—F. Craine, 39.00	
26—R. C. Harrington, Colony, Kan.	48.00
27—W. C. Burrows, 34.00	
28—L. H. Skinner, Ottawa, Kan.	39.00
29—Frank Zimmerman, 39.00	
30—L. H. Skinner, Ottawa, Kan.	33.00
31—W. H. Cowen, Garnett, Kan.	45.00
32—Nick Johnson, Ottawa, Kan.	36.00
33—Frank Doddy, 37.00	
34—W. A. Jones, 38.00	
35—J. L. Hatfield, Pomona, Kan.	34.00
36—C. C. Waters, Wellsville, Kan.	41.00
37—R. C. Harrington, Colony, Kan.	39.00
38—Thos. Dougherty, Halls Summit, Kan.	38.00
39—A. R. Liddkey, Wellsville, Kan.	40.00
40—John Marsh, Ottawa, Kan.	31.00
41—Frank Craine, 21.00	
42—J. Morrell, Rantoul, Kan.	34.00
43—John Marsh, 32.00	
44—H. H. Keple, Baldwin, Kan.	36.00
45—Frank Craine, 35.00	

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Hoard's Dairyman, Ft. Atkinson, Wis.	50,000	.30	.24
Wisconsin Agriculturist, Racine, Wis.	60,000	.25	.23
The Farmer, St. Paul, Minn.	115,000	.50	.43
Wallaces' Farmer, Des Moines, Ia.	55,000	.30	.27
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SHETLAND PONIES—WRITE FOR price list. Charles Clemmons, Waldo, Kan.

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FOR SALE—ONE REGISTERED PERCH-eron stallion, five years old, weight 2,000. One seven-eighths Percheron stallion three years old, weight, 1,700. Ed Schmidt, Lorraine, Kan.

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

FOR SALE—12 GRADE JERSEY MILK cows, seven soon to freshen. Exceptional lot. \$800. Sayda Polo Jersey Farm, Parsons, Kan.

19 PURE BRED RED POLLED CATTLE at auction at Girard Kan. Jan. 26, 1910. Bulls, cows and calves, the property of Willie Blair. Write me for catalog. Albert Outhertson, Guardian of Willie Blair Estate.

FOR SALE—TWO SHORTHORN BULLS, one red September yearling, sire Barmpton Knight, out of a Gallant Knight cow. One roan pure Scotch bull, fall yearling. Sire Lord Rauff 2nd, out of Red Lady 5th, a pure Scotch cow. Harry H. Holmes, Great Bend, Kan.

ALYSDALE SHORTHORNS—HERD headed by the magnificent Scotch bull Archer Victor No. 292012 for sale now at bargain prices, the following (red) bulls: Chief Burnett No. 311843, dropped December 16, 1908; Santa Claus No. 311849 dropped December 25, 1908. Also some fine young females, all richly bred. Call or write Chas. W. Merriam, Columbian Bldg., Topeka, Kan.

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MUST BE SOLD BEFORE FEB. 20, 1910, 25 Crimson Wonder and King of Cols. bred gilts. Prefer to sell in 5 or 10 lots. Most of them are extra good. Chester Thomas, Waterville, Kan.

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LOOK—FARMS FOR SALE IN EASTERN Kansas. Good soil, good climate, plenty of fruit. \$35 to \$65 per acre. 60 miles to Kansas City. Send for list. Address Parker Land Co., Parker, Linn County, Kansas.

FOR EXCHANGE—200 ACRES, IM-proved, near Oskaloosa, Kan. rolling, good soil, \$12,000. Mortgage, \$6,000. Want cash or rental for equity. Possession March 1st. Garrison & Studebaker McPherson, Kan.

FOR SALE—\$5 DOWN, \$5 MONTHLY, buys 40 acres good timber land near Co. seat, Miller Co., Mo. Price \$140. Title perfect. Ad. R. C. Jarrell, Eldorado Springs, Mo.

DO YOU WANT TO LOCATE BEFORE March? 160 acres 3 miles of Har-Is, Kan., 140 acres fine plow land, 10 acres creek and large timber, fine improvements, clear, \$45 per acre, good terms. Send for new free list of over fifty Anderson Co. farms. Holcomb Realty Co., Garnett, Kan.

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

SELL YOUR PROPERTY FOR CASH IN less than 90 days: properties and business of all kinds sold quickly in all parts of the world, send description today, we can save you time and money. The Real Estate Salesman, K. Funke Bldg., Lincoln, Neb.

CHOICE KANSAS FARMS FOR SALE in the Smoky Valley, Saline and McPherson counties, where you can raise alfalfa, corn and wheat with profit. Write for information and our land list. David Bachman, Lindsborg, Kan.

FOR SALE—160 ACRES IN WILSON CO., Kan., 30 acres good bottom land broken, new six room house, barn, large orchard, remainder pasture and meadow, running water. Rural free delivery and telephone. Price \$20 per acre. Mrs. Mary Moran, 1208 N. Grand, Pittsburg, Kan.

FOR SALE, OR WOULD EXCHANGE for Kansas land, my well equipped blacksmith shop, with large implement room, and my seven room residence and eight lots in the best county in Kansas: population of town, 1,000. Address Box 107, Kansas Farmer, H. W. Chestnut, Centralia, Kan.

NO. 80—30 ACRES OF CREEK BOT-tom, balance upland, 60 acres in cultivation, 3 acres meadow, balance in pasture, a new 3 room house and small barn, good water, only six miles from the county seat and a bargain at \$2,600. J. S. Boyle, Bennington, Kan.

Mitchell County Breeders' Association

O. B. KERN, President.

J. F. HOWARD, Secretary.

Nothing but first class animals offered for sale for breeding purposes.

SHORTHORN CATTLE.

SHORTHORN CATTLE—50 head reg-istered cattle. Herd headed by Royal Goods 293325, by Select Goods, by Choice Goods. Young bulls ready for service for sale. MEALL BROS., Cawker City, Kan.

SCOTCH AND SCOTCH TOPPED Shorthorns, 40 head. Herd headed by Popular Knight, by Gallant Knight. Some choice bull calves of fancy breeding for sale. JOHN STROH, Cawker City, Kan.

UPLAND HERD OF SHORTHORNS. Headed by the Scotch Duchess of Gloster bull Dreadnaught, 1 red bull 20 months old out of a Lord Mayor dam for sale. GEO. W. BEEMIS, Cawker City, Kan.

LOCUST GROVE SHORTHORNS. Herd headed by the pure Scotch bull Gloster's Model -287840. Three Scotch topped yearling bulls for sale. Also a few cows with calves at side. ELMER C. CRKIZ, Beloit, Kan.

A YOUNG HERD OF up-to-date breed-ing. Everything recorded. Our herd bull Alfonso by Magnet has produced us some great calves this season. BRINEY & BRINEY, Beloit, Kan.

BOOKDELL STOCK FARM. Shorthorn cattle. Poland China hogs. Silver Laced Wyandottes.

E. E. BOOKER & SON, Beloit, Kan.

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

HEREFORD CATTLE.

HEREFORD BULL CALVES for sale. Berkshire boars for sale. Spring farrow. Will trade 2 or 3 for gilts. Bored by Commander out of dam by Speculation; grand dam, Alice Majestic, champion sow at Kansas City Royal. W. B. & J. M. Rodgers, Beloit, Kan.

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

100 HEAD OF HEREFORDS. The home of Carter 258175, the winner in every big show he was ever in. A few choice young heifers and cows for sale. F. L. BROWN & CO., Sylvan Grove, Kan.

ANGUS CATTLE.

ABERDEEN ANGUS CATTLE—A young but fashionable herd. Two young bulls of serviceable age for sale. R. C. BIRT, Beloit, Kan.

AUCTIONEERS.

COL. H. H. VANAMBURG, General and Live Stock Auctioneer. Phone 434. BELOIT, KAN.

General and Live Stock Auctioneer.

COL. F. L. SMITH, BELOIT, KAN. Phone 434.

OSBORNE COUNTY BARGAIN—240 farm 3 mi. from Downs, Kan., in the Solomon Valley, part bottom, 110 cultivated, some wheat, 20 a alfalfa, good new set improvements, close to school. For quick sale, \$45 per a. Have other fine propositions. See us if you want a good home farm, in a good country. Write or come and see us. Downs Realty Co., Downs, Kan.

FARM FOR SALE—HALF SECTION IN Harper Co., Okla. Two hundred and forty acres in cultivation, on creek bottom, black sandy loam. An ideal of county seat, two miles of good town, walking distance of one of the best colleges in Oklahoma, fair improvements, rented for 1910 and 1911 at \$320 per year; price until March 1, \$6,500; half cash, balance 5 years 5 per cent. Address James J. Doyle, Junction City, Kan., Route 6.

POULTRY.

MAMMOTH BRONZE TURKEYS FOR sale. H. A. Sanborn, Detroit, Kan.

FOR SALE—R. I. RED COCKEREL EGGS in season. R. B. Steele, Topeka, Kan.

R. C. W. LEGHORN COCKERELS, \$1.50 each. C. W. Howard, Stamford, Neb.

BUFF COCHINS, 10 FINE COCKERELS \$2.00 each. H. A. Thomas, Scranton, Kan.

WANT TO BUY TWO S. L. WYANDOTTE cockerels. Geo. Bahntge, Lakin, Kan.

INDIAN RUNNER DUCKS—\$3.00 PAIR. M. Spooner, Wakefield, Kan.

GOOD BLACK LANGSHAN COCKERELS \$1.50 each. Mrs. Geo. W. King, Solomon, Kan.

FULLETS—WHITE WYANDOTTES, \$1.00 each. Mrs. George Downie, Route 2, Lyndon, Kan.

50 WHITE ROCK COCKERELS AND A few good pullets for sale. J. C. Bostwick, Hoyt, Kan.

CHOICE BUFF PLYMOUTH ROCK cockerels, \$3.00 each. H. N. Hendricks, Grenola, Kan.

A FEW FINE BUFF ORPINGTON COCK-erels for sale. W. H. Maxwell strain. Eggs in season. Mrs. P. D. Briggs, Sedan, Kan.

PERCHERON HORSES.

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

REGISTERED PERCHERON HORSES in stud; Imported Rabelais 42529 by Cosaque by Thelous who sired Callipao and Casino. Visitors welcome. C. J. JOHNSON, Solomon Rapids, Kan.

THE HOME OF JACQUE W. 42659 by Tlatrey, dam Imported Risette. Inspection invited. RALPH G. McKINNIE, Glen Elder, Kan.

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

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

COACH HORSES.

LAWDALE STOCK FARM—Olden-burg German Coach horses. International prize winning stock. A tried stallion for sale. Inspection invited. JOSEPH WEAR & SONS, Barnard, Kan.

POLAND CHINAS.

EUREKA HERD POLANDS—Duroc, I breed both and have a nice lot of serviceable boars of both breeds for sale. and a few choice gilts. Priced right. W. H. SALES, Simpson, Kan.

POLAND CHINA BRED SOWS. Wednesday February the 16th we will sell bred sows at the farm 10 miles south of Beloit, Kan. LOGAN & GREGORY, Beloit, Kan.

DUROC JERSEYS.

GOLDEN RULE STOCK FARM—Gilt edged Duroc Jerseys. 40 spring pigs, both sexes for sale at private treaty. Farm adjoins town. LEON CARTER, Asherville, Kan.

DUROC BRED SOW SALE.

50 champion bred sows at auction Tuesday February 1, at my farm close to Beloit. Catalog ready. Address PEARL H. PAGETT, Beloit, Kan.

HAMPSHIRE.

HAMPSHIRE HOGS. 40 spring pigs, both sexes, for sale. Write for prices. A. B. DOYLE, Rural Route 1, Beloit, Kan.

O. I. C. SWINE.

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

BARRED ROCK & R. C. R. I. RED Cockerels for sale. Strong, vigorous. Free range. Write your wants. Mrs. W. A. Schrier, Argonia, Kan.

SPECIAL PRICE ON CHOICE WHITE Wyandottes. G. A. Welbe, R. 8, Beatrice, Neb.

FOR SALE—100 B. ROCK COCKERELS and females, 20 years experience. Chris Bearman, Ottawa, Kan.

CHOICE BARRED ROCK COCKERELS at \$1.50 and \$2.00 each. Grace S. Howell, Route 2, Emporia, Kan.

BUFF ORPINGTONS, BUFF LEGHORNS, R. I. Reds, for sale cheap. N. G. Nash, Grantville Kan. Ind. phone.

30 CHOICE WHITE PLYMOUTH ROCK cockerels at bargain prices, \$1.00 to \$1.50 each. L. T. Spellman, Paola, Kan.

PARTRIDGE WYANDOTTES—FRIZE winning cockerels and eggs. Farmers' prices. Write S. S. Jackson, Scranton, Kan.

LIGHT BRAHMA COCKERELS \$2 TO \$5 Pullets \$1 to \$3 each. Eggs \$1.50 and \$2 per 15. Beautiful white spitz dogs \$5 to \$10. Mrs. A. P. Wolverton, R. 8, Topeka, Kan.

BUFF ORPINGTONS, BUFF LEGHORNS, R. I. Reds, or sale cheap. H. G. Nash, Grantville, Kan. Ind. phone.

BUFF COCHINS—FINE BREEDING cockerels, \$2.50 each; high grade, selected hens, \$1.00. Mrs. L. O. Housel, Jewell, Kan.

BARRED PLYMOUTH ROCKS—A FEW good cockerels for sale at \$1.00 each. Mrs. Wm. Bumphrey, Corning, Kan.

WHITE LANGSHANS, COCKS AND Cockerels, also eggs in season of S. C. Buff Orpingtons. Mrs. Frank Rowe, Lane, Kan.

BLACK LANGSHAN COCKERELS—Standard bred. One for \$2; two for \$4. Eggs in season. Mrs. D. A. Swank, Bluemound, Kan.

WANTED—SIX OR EIGHT CHOICE black Langshan roosters, not over two years old. Write description and price to, Jas. M. Green, Scottsville, Kan.

14 Cents a Rod

For 25-in. Hog Fence; 15-3-4 for 30-in.; 18-3-4 for 31-in.; 22 for 34-in.; 25 for 37-in. Farm Fence. 50-inch Poultry Fence 25c. Sold on 30 days trial. 50 rod spool Ideal Barb Wire \$1.55 Catalogue free.

KITSELMAN BROS.
Box 61 MUNCIE, IND.

S. C. WHITE LEGHORN COCKERELS—From the best laying strain \$1.50. Plain View Poultry Farm. I. M. Earnshaw, R. 1, Lebo, Kan.

100 EXTRA GOOD BARRED PLYMOUTH Rock Cockerels. They are of the E. B. Thompson strain, large birds and nicely barred, have won over 50 premiums in last three years; satisfaction guaranteed. Paul Oliver, Danville, Kan.

COCKERELS—BARRED AND WHITE Plymouth Rocks, Single Comb Brown and White Leghorns. Price \$2.00 each. Order now, don't wait until it is too late. Address Walter Hogue, Fairfield, Neb.

WANTED—GOOD HATCHABLE EGGS in quantity; can use your entire output from pure bred stock (different varieties) from January to October. Why bother with small orders when we will take all as fast as the hens lay? For Sale: Baby chicks (different varieties) any quantity, any season, full count and live delivery guaranteed. Custom hatching and brooding. Eggs for hatching. Our egg contract circular and catalog for the asking. P. C. Fish Poultry Yard & Hatchery, 4334 Bellevue Both phones. Kansas City, Mo.

PATENTS.

PATENTS PRODUCED AND SOLD: BIG money in patents; book free. H. Sanders, 115 Dearborn St., Chicago, Ill.

SEND FOR FREE BOOKLETS—ALL about patents and their cost. Shepard & Campbell, 6900 McGill Bldg., Washington

MISCELLANEOUS

PURE HONEY, TWO CANS 120 POUNDS \$8.50; single can, \$4.50. F. O. E., care W. P. Morley, Los Animas, Colo.

20 CAR LOAD HEDGE POSTS FOR SALE All sizes and all prices. Correspondence solicited. W. H. Bitts, Melvern, Kan.

ARTISTIC STENCIL DESIGNS AND BIG money earned with the newest invention we offer. Send 10c for particulars. Stencil Art Co., Baltimore, Md.

LETTER HEADS AND ENVELOPES—Descriptive of your business. Best prices. Send for samples. Western Printing Co. Pig Dept. Kansas Farmer. Topeka, Kan.

TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Great discovery. Send your address at once. King-Ni-Ko 7, Wichita, Kan.

FARMERS' SONS WANTED FOR RAIL-way mail clerks. Salary \$800 to \$1,600. Work half time, full pay. Common education sufficient. Write for booklet. American Institute, Dept. K, Dayton, Ohio.

FOR SALE—HAVING SOLD MY FRUIT farm I now offer my Ideal Dust Sprayer, run by a two and a half horse power gasoline engine. For price and full particulars address Wm. Booth, Winchester, Kan.

LAWYERS.

A. GRAHAM, ATTORNEY AT LAW, Topeka, Kan.

MISSOURI LAND

JASPER COUNTY FARM—80 acres all in cultivation, good orchard, 6 room house, barn, good granary, two good wells, R. F. D., telephone. 8 miles of Carthage, 4 miles of Alba, price \$52.00 per acre. A bargain. Call or write, A. C. STEMMONS, Carthage, Mo.

STOCK FARM SPECIAL.

\$60 acres, 1/2 mile from station, 50 acres in cultivation, 310 acres pasture, 3 good springs, plenty of good timber, good house and barn, good well. R. F. D. Telephone. A fine stock farm. Price \$20.00 per acre, half cash, balance to suit purchaser. Call or write

AUBORA REALTY & INVESTMENT CO.
Savage.

MISSOURI FARMS

Come to Missouri, where the bluegrass, white clover, red clover, and timothy grow in abundance. I have a few good farms for sale in Cass county only a few miles from Harrisonville, the county seat, one of the best towns in the state of two thousand population.

CLARENCE F. GILBERT, Mo.
Harrisonville, Cass Co.,

Virginia Farms and Homes
Free Catalogue of Splendid Bargains.
R. B. Chaffin & Co., Inc., Richmond, Va.

THE STRAY LIST

Wilson County—Clerk
Heifer—Taken up, Dec. 18, 1909, by C. H. Mitchell, in Duck Creek tp., one red and white spotted yearling heifer, no marks or brands.

Cheyenne County—W. S. Booth, Clerk.
COLT—Taken up, Dec. 23, 1909, by J. L. Peacock, in Dent tp., one yearling bay horse colt, brand not plain on left shoulder; valued at \$15.

Reno County—Clerk.
COWS—Taken up, by G. R. Vancampen, in Summer tp. one red and white cow about 9 years old, crop under both ears; valued at 20.
Also one red cow, about 10 years old, no marks or brands; valued at \$19.

Fred C. DeMott Now Bank President. Poland China breeders over the entire southwest will be pleased to learn that their comrade, Fred C. DeMott, of Arkansas City, Kan., has just been elected by the directors of the Union State Bank of Arkansas City, to serve as president. The Union State Bank is capitalized at \$50,000, and one of the largest in southern Kansas. Mr. DeMott's success is entirely due to his successful handling of pure bred stock. Mr. DeMott at one time held an interest in the great show and breeding farm Indiana, as well as other successful breeding and show farms. The Kansas Farmer wishes Mr. DeMott success in his new venture.

Menehan's Bred Sow Sale Feb. 7.

J. F. Menehan, one of the successful big type Poland China breeders of Nebraska, will hold a sale at his farm, 7 miles from Burchard, 10 miles from Pawnee City, Neb., and 7 miles from Summerfield, Kan., on Monday, Feb. 7. Mr. Menehan is putting in this sale a draft of 40 head from his good herd consisting of 10 big trier sows and 30 fall yearling and spring gilts. Among the trier sows are very valuable and useful ones sired by such great boars as O. K. Price, Big Hutch, and Chief Sampson, Jr. They have been bred along big lines for years and have lots of size still they are not the coarse kind. Everything has been bred for March and April farrow to the great young boars Bell Chief by Bell Metal and Big Hutch Jr. by Big Hutch. This is an offering that should please especially those that have a longing for more size in their herds. Write at once for catalog to Mr. Menehan at Burchard, Neb.

Chapin & Nordstrom Sell a \$100 Pig.

Chapin & Nordstrom, of Green, Kan., have recently sold to J. E. Joines of Clyde, Kan., what is perhaps the best boar they raised this year, and it is rather doubtful if there was a better one raised by any Kansas breeder. He was sired by G. C. s Kansas Col. the great young Col. boar now leading the Chapin & Nordstrom herd and his dam was the excellent sow Miss Burr Oak 10th by Kelleys Pilot Wonder. The dam of Miss Burr Oak 10th was Miss Burr Oak 4th by Ohio Chief, making the pig a great grandson of noted King of Cols, also of Ohio Chief. Individually he is almost perfect. Nothing appears to be lacking not even color. Chapin & Nordstrom still have four outstanding young boars, 3 by King of Col's 2nd, two of them out of a dam by W. L. A's Choice Goods, and one out of a G. C. Col II dam. The fourth one is by G. C. s Col and out of a Model Chief Again sow.



Senator H. W. Avery, Wakefield, Kan., who was unanimously elected president of the Kansas Improved Stock Breeders' Association for the ensuing year.

An Interesting Incubator Catalog.

One of the most interesting incubator catalogs we have received this season is that of the Wisconsin Incubator Company of Racine, Wisconsin. This advertiser has made a remarkable success of a plan of selling incubators and brooders that no other concerns have followed out as yet, and that is, supplying an incubator and brooder (two machines) for only \$10, freight prepaid. One of the features of their catalog is the way in which they describe how their machines are made—the kind of material and fixtures that are used—and backing all this up with a 30-day trial offer that relieves the purchaser from all risk in buying these machines. It shows they have the fullest confidence in their incubators and brooders or they would not put them out on the liberal terms they do. At first it might seem impossible for a concern to manufacture and sell a 125-cup incubator and 100-chick brooder, freight prepaid, for \$10, but they have been doing this for years, and this year are putting out a better machine than ever, using in their incubator high-grade California redwood, which every one knows is the best lumber that can possibly be put in an incubator. We urge our readers to send for this excellent catalog. Read their advertisement on another page of this issue. Mention Box 129 when you write.

The Logan & Gregory Poland China Sale. The Logan & Gregory Poland China sale at the fair grounds, Beloit, Kan., Jan. 22, was well attended. The prices received were very good and satisfactory to Logan & Gregory. This firm has been sold in Kansas Farmer are dispersing their herd in order to close up a partnership Mr. Gregory retiring from the business. On February 16 they will hold another sale at which time they will sell another lot of bred sows and gilts together with some horses and cattle. A number of prominent breeders were in attendance from a distance among which were Frank Strebel, Alton, Kan.; C. H. Pilcher, Glasco, Kan.; W. A. Prewett, Asherville, Kan.; W. H. Sales, Simpson, Kan.; and George W. Morehead from Glen Elder, Kan. The top of the sale was No. 6 and No. 84 was paid for same. We went to Geo. W. Morehead and R. G. McKinnie. Some of the prominent buyers with their post-office address follow:
No. 1—R. G. McKinnie, Glen Elder, Kan.
No. 2—Lawrence Jermark, Beloit, Kan.
No. 3—Arthur Simpson, Beloit, Kan.
No. 4—Otto Gladdo, Beloit, Kan.
No. 5—C. H. Pilcher, Glasco, Kan.
No. 6—Geo. Morehead and R. G. McKinnie, Glen Elder, Kan.
No. 7—Otto Gladdo, Beloit, Kan.
No. 8—Frank Strebel, Alton, Kan.
No. 10—R. G. McKinnie, Glen Elder, Kan.

AUCTIONEERS

L. E. FIFE,
LIVE STOCK AUCTIONEER.
Newton, Kansas.

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

COL. JOHN D. SNYDER
LIVE STOCK AUCTIONEER.
Sales made everywhere. Write or wire me for dates. Prices reasonable.

WINFIELD, KANSAS.

W. C. CURPHEY
LIVE STOCK AUCTIONEER.

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



LAFE BURGER,
Live Stock Auctioneer.
Write or wire me for dates.
Wellington, Kansas.

COL. ESSIE CRAVEN
NORTH BRANCH, KAN.

Live Stock Auctioneer. Marshall, Mo.
Twenty years selling all breeds.

LIVE AND LET LIVE

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

JAS. T. McCULLOCH
CLAY CENTER, KANSAS.

R. L. HARRIMAN
AUCTIONEER
PEDIGREED LIVE STOCK
Write me for dates.
BUNCETON, MO.

J. H. MOORMAN,

Live Stock and General Farms sale auctioneer. Satisfaction guaranteed. Long distance phone connection.

SOLOMON, KANSAS

RED POLLED CATTLE

AULD RED POLLS.

Herd established 7 years. Choice breeding and individuality. 3 young bulls for sale. Auld Bros. Frankfort, Kansas.

FOSTER'S RED POLLS.

7 choice young bulls and a few good females for sale. My prices are right. Come and see my herd. C. E. Foster, Eldorado, Kansas.

JERSEY CATTLE

LINSCOTT JERSEY CATTLE

Established 1878. Registered in A. J. C. C. Any animal for sale.

R. J. Linscott, Holton, Kansas.

JERSEY BULL FOR SALE.

Grandson of the \$7,500 Champion Flying Fox and out of Bridget's Bride, a 6 gallon cow. He is fine color and gentle. Keeping big lot of his heifers—reason for selling. Reasonable price. H. F. Erdley, Hiawatha, Kansas.

HOLSTEIN CATTLE

HOLSTEIN BULLS

Sired by "King of the Pontiacs," "King Segis Pontiac," DeKol 2nd's Butter Boy 3rd and other noted sires. A car load of these fellows on hand, and they will be priced to sell.

Rock Brook Farm, Henry C. Gilman, Prop.
Omaha, Sta. B, Neb.

EAST SIDE DAIRY HOLSTEINS

For the year 1909 has enjoyed an exceedingly prosperous business, by having sold over 100 head to various Dairy farmers and breeders over this State and others, if good breeding and the large Milk and Butter producers are appreciated by those desiring better Dairy cows I should have my hands full filling orders for 1910. Write me your requirements.

F. J. SEARLE, Oskaloosa, Kan.
Kitselman Bros. sell fence less than any one, 14¢ cents a rod up. Get their free catalog. See their ad in this paper.

Col. L. R. Brady of Manhattan has conducted a number of pure bred sales in Topeka but he never did better work than when he took the block at the H. C. Dawsons Sons' sale last Saturday. While Col. Brady has been in the business for years he is still "coming" and his good natured face which bears such a striking resemblance to President Taft's, just simply makes people give up the price which he thinks they ought to pay. Col. Brady grew up amid surroundings which afforded him the best of opportunities to know live stock. He is a graduate veterinarian and he knows pedigree.

SHORTHORN CATTLE

FOR SALE.

12 bulls, 12 to 18 months; 20 cows and heifers for sale. Shaw Bros., Glade, Kansas.

ALFALFA LEAF SHORTHORNS. Special offering of four bulls. One by Archer 205740, out of a Victoria cow. Three by Nonpareil Star, one a Victoria, one imp. Edelweiss and one Christmas Gift. Also a few choice heifers of equal quality and breeding. John Regier, Whitewater, Kan.

EVERGREEN HOME FARM.

Milking Shorthorn Cattle, Bred Hereless, Berkshire Hogs, Oxford Down Sheep, Bourbon Red Turkeys. Lathrop, Missouri.

JEWELL SHORTHORNS

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

SCOTCH TOPPED BULLS.

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

A CAR LOAD SHORTHORN COWS.

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

D. H. Forbes & Sons, Topeka, Kan.
E. F. D. No. 3, Bell Phone 31.

HUMBOLDT NATIONAL STOCK FARM

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

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 59-2. J. W. Pelphrey & Son, R. 6, Chanute, Kan.

RENO HERD SHORT HORN CATTLE

Bulls in service, Forest Knight 226084 and Victor Archer 264156. Breeding stock for sale.

Stewart & Downs, Hutchinson, Kan.

Prospect Farm Shorthorns

The oldest Shorthorn breeders in Kansas. The largest herd of Cruickshanks in Kansas. Herd headed by Violet Prince 145647 and Orange Commander 220590. Young stock of both sexes and some cows for sale. Quality and prices right. H. W. McAfee, Topeka, Kansas.
Bell Phone 59-2.

SPRING HILL SHORTHORNS

300 Head Scotch and Bates Pedigrees

C. G. COCHRAN & SONS,
PLAINVILLE, KANSAS

POLLED DURHAM CATTLE

POLLED DURHAMS.

Young bulls. Cows and heifers bred to Roan Hero, the Double Standard Champion. Prices reasonable. Write for terms. O. J. Woods, Chillicothe, Kan.

BELVEDERE X2712-195058

son of the \$1,500 Grand Victor X1685 150344 heads my herd of Doubled Standard Polled Durhams. A few extra good blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town. D. C. Van Nise, Richland, Kan.

HEREFORD CATTLE

BEAU BRUMMEL

10th 167719
Modern Herefords. Herd bulls, Beau Brummel 10th 167719, Beau Beauty 192235—and Protocol 2d 91715. Robert H. Hazlett, Hazford Place, Eldorado, Kansas.

HORSES AND MULES

JACKS AND JENNETS

Stocks for sale at all times. Write us what you want. Yates Bros., Faucett, Mo.

ANGUS CATTLE

25 ANGUS BULLS 25

Ready for service. 30 bred cows and heifers, 30, sired by or bred to Champion Ito, sire of first prize calf herd at American Royal.

10 Shropshire Ewes in Lamb 10
To our Imported Show Ram.
400 Angus in Herd.
Sutton Farms, Lawrence, Kan.

VIEW POINT ANGUS HERD.

15 choice cows in age from 3 to 7 years. Representatives of the Heroine, Mina, Duchess and Dimple families. All of them raised calves the past season and are bred for March calves to the great Louis of Meadow Brook, sire of champions. Nearly all of these cows were raised on our farms and are only being sold to reduce the size of herd. Low prices. Mention this paper when writing.
Paul M. Culver, Edgerton, Mo.

HAMPSHIRE SWINE

Oldest herd in the West. 30 boars of serviceable age. Also bred sows and gilts.

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BRAEBURN BERKSHIRES.

Pigs, high-class in quality and breeding.
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2 herd boars for sale. 1 two-year-old by Forest King, other males of different ages. Sows and gilts open.
Manwaring Bros., Lawrence, Kan.

BERKSHIRE BOARS AND GILTS
for sale. Long bodies, smooth spring pigs. The best breeding and excellent individuals. No culs shipped. Visitors welcome.
J. M. NELSON, Marysville, Kan.

BERKSHIRES—OVER 250 HEAD.

To select from, Choice boars and females of various ages. Baron Duke 7800 and Masterpiece 7700. Spring pigs for sale. We guarantee satisfaction.
Write LEON A. WAITE, Winfield, Kan.

NEW YORK VALLEY HERDS BERKSHIRES AND SHORTHORNS.

25 years' experience with these breeds. Sows bred to and sired by Field Marshal 103200 and Lee's Masterpiece 98715. Young stock for sale. 50 spring and summer boars and gilts at \$25 each; two extra fancy herd leaders at \$50 each. Bred sows and gilts from \$35 to \$100 each. Write your wants. Visitors always welcome.
J. T. Bayer & Sons, Yates Center, Kan.

SUTTON BERKSHIRES

Were champions at the American Royal and International Shows. 30 bred gilts, 150 to 350 lbs., sired by or bred to our wonderful sire, Berryton Duke Jr. or Star Duke 4th, junior champion at International Show. Guaranteed strictly choice, with short heads, size and quality. Also 10 fancy boars, 125 to 300 lbs.
500 Head in Herd.
Sutton Farms, Lawrence, Kan.

POLAND CHINAS

SNYDER BROS.' HIGH CLASS POLAND CHINAS.

Either sex, bred sows and bred gilts, priced right for quick sale. Write your wants.
Snyder Bros., Winfield, Kan.

HIGHVIEW BREEDING FARM.

The only registered herd of big boned spotted Poland on earth. Write for catalog of my big bred sow sale Feb. 16.
H. L. Faulkner, Box K, Jamesport, Mo.

GRAND PERFECTION NO. 77800.

Spring pigs by this boar and out of richly bred dams for sale, either sex, at \$20 each to move them quick. Write at once.
Jewell Bros., Humboldt, Kan.

10 SPRING POLAND BOARS 10

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

SPANGLER'S BIG POLANDS.

For sale now, 25 big smooth spring boars and 25 gilts, mostly by Spangler's Hadley. Some top stuff among these, but all priced to sell.
J. D. Spangler, Sharon, Kan.

POLAND CHINAS.

20 early spring Poland China gilts, tracing to the large type Expansion—will sell them bred or open, a few choice spring boars, prices reasonable; satisfaction guaranteed.
Oliver & Sons, Danville, Kan.

MELBOURNE HERD POLAND CHINAS.

I have a few choice spring boars and gilts sired by Gold Metal, Hadley Boy and Klever Boy for sale at moderate prices. Let me know your wants.
John C. Halderman, Burchard, Neb.

RIDGEVIEW POLAND CHINAS.

Headed by Union Leader 502507. Growthy pigs, both sexes, for sale. Also two yearling boars by Old Expansion. Description guaranteed.
W. R. Webb, Bendena, Kan.

When writing advertisers please mention Kansas Farmer.

Kan. No. 11 (Sub) W. H. Sales, Simpson, 49.00
Kan. No. 12 Geo. Fundum, Beloit, Kan., 45.00
No. 14—Geo. Fundum, Beloit, Kan., 44.00
No. 15—Chas. Alberts, Glen Elder, Kan., 45.00

Only 14¢ cents for a 22-inch hog fence, other height in proportion. See Kitzeman Bros.' ad in this paper.

The Big Bloomington Horse Sale.

A four days' sale in a steam heated sale pavilion with 350 head of imported and American bred draft, saddle and standard bred stallions and mares is what is offered in the big breeders' sale at Bloomington, Ill., on Feb. 1, 2, 3, 4. The time is short but you can get there.

Col. Z. S. Branson of Lincoln, Neb., made his first sale in Topeka, when he conducted the Poland China sale of H. C. Dawson & Sons the other day. Col. Branson made an excellent impression and proved himself a capable auctioneer.

Want some of those big, smooth Poland China bred sows and gilts that will be offered by D. A. Wolfersperger at Lindsay, Kan., in his public sale to be held on Feb. 8? All the good families are represented and you are sure to want some of these pigs. Read his advertisement, mention the Kansas Farmer and ask for a catalog.

A chance to select just what you want from a splendid herd of 125 Holstein-Friesians is what you will have at the big two days' sale that will be made by Henry C. Glissman at South Omaha, Neb., on Feb. 8 and 9. Mr. Glissman's post office address is Station B, Omaha, Neb., where you can write for a catalog.

Bruce Saunders, owner of the Banner Stock Farm, R. 5, Holton, Kan., writes that he is making interesting prices on his jacks and stallions as he wishes to turn them as early as possible to make room for new shipments. He adds: "My ad in the Kansas Farmer has already brought me many inquiries in regard to my stock."

Phil Dawson, who managed the Poland China bred sow sale, held by H. C. Dawson Sons, of Endicott, Neb., at the Topeka State Wide Fair grounds on Saturday last, is an animal artist as well as a splendid breeder of big hogs. Mr. Dawson has achieved a marked success in breeding just the type of Poland Chinas that is wanted and needed by the farmers of the west and we have always thought that his training as an artist had been of great assistance to him in recognizing and adhering to an ideal type. At any rate he gets the type and does it by combining good blood, good feed and good care.

Chas. W. Merriam, owner of Alysedale Shorthorns near Topeka, mentions that he has just sold the fine young bull, Ormond 311848, the young heifer, Lady Mary by Master of Alysedale 241519, and the extra young cow, Thankful, with calf at foot by Prince Consort 187008 to B. F. Reser of Rossville, Kan. Mr. Merriam states that this leaves on hand for immediate sale only two young bulls, Chief Burnett and Santa Claus, though he can still spare a few fine young cows. Please notice the change in his advertisement and mention the Kansas Farmer when you write to him.

Stodder's World's Fair Duroc Jerseys.

The 30 bred gilts advertised by J. F. Stodder, Burden, Cowley county, Kan., are worthy of the investigation of any reader wishing to buy good Durocs. They are certainly a thrifty growthy lot, and it is to be doubted if there is a more valuable bunch on the market, for they are equally as well bred as they are good individually. They are sired by May Boy, Improved Lad and Helen's Wonder, and were all farrowed in March and April. May Boy is probably too well known to need comment. He was a World's Fair, Missouri State Fair and American Royal first prize winner. Improver Lad is a high class breeding son of Improver II. Helen's Wonder is by Red Wonder and his dam was Helen Blazes 21st. These gilts are bred to a good son of Inventor, the Illinois champion of 1909 and also to Helen's Wonder, whose sire Red Wonder was the champion of 1908. Those wanting strictly good breeding stock should write to Mr. Stodder at once.

Gifford's 26th Annual Shorthorn Sale.

Fred M. Gifford of Wakefield, Kan., is known all over the west for his good Shorthorns and when he announces a sale it means much to the lovers of this splendid breed. He announces his 26th annual sale to be held at Clay Center on Wednesday, Feb. 16, at which time he will offer 40 head. He tells about these cattle, their quality and breeding, in his advertisement on another page and is ready to send you a catalog. Several of the cows were sired by the famous Red Knight and, as he will have Lord Marr on exhibition during the sale, this will be a cattle show as well as a sale of mighty good, useful Shorthorns. Ask for his catalog so you can pick out the breeding lines you want beforehand.

Hardy Nursery Stock and Seeds.

We have just been looking through the excellent catalog issued by the German Nurseries and Seed House at Beatrice, Neb. This is the 24th annual issue and consists of 112 pages. Every page is full of interest. The fruit tree department contains some particularly good novelties, including currant and gooseberry trees. These were imported from Germany some years ago and have proved wonderfully successful in this country. The seed department illustrates and describes a full line of garden, flower and field seeds. Mr. Sonderegger, the proprietor of the German Nurseries, in talking of the great success of his nursery stock and seeds in all parts of the country, gives much of the credit to the rather severe climate of his district. It produces vigorous, hardy stock that can stand the raw, cold winters and the dry, hot summers, if necessary. We know that the company will be pleased to send their splendid catalog to any one interested in seeds or nursery stock. To those who mention this paper when writing, their will send a free trial packet of their new coreless tomato seed.

CHAPIN & NORDSTROM

have for quick sale, 3 spring herd boars by King of Col's 2d. 1 by G. C's Col. All show prospects.

CHAPIN AND NORDSTROM,
Green, Kan.

POLAND CHINAS

POLANDS! POLANDS! POLANDS!

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

J. H. HARTER,

Westmoreland, Kan.

STRYKER BROS.' HERD POLAND CHINAS.

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

Stryker Bros., Fredonia, Kan.

POLAND CHINA BOARS AND GILTS.

Early boars all sold, few younger ones at reasonable prices. Also spring gilts, will sell them and ship after they are bred and safe to my young Expansion boar.

S. B. Amcoats, Clay Center, Kan.

BIG KIND POLAND CHINAS.

Write for description of my large boned, growthy pigs, sired by Mammoth Hadley 52828, a worthy son of the \$500 Big Hadley. Sows in herd by Johnson's Chief, Prince Youtell, First Quality Over Chief, Highland Chief and others. Get your name on the mailing list, and remember sale date. Geo. W. Smith, Pawnee City, Neb.

POLAND CHINAS

SPRING BOARS AT BARGAIN PRICES.

Out of sows by S. P.'s Perfection, Chief Perf. 2nd, Spellbinder and others. These young boars are fine individuals, and by Sportsman and Corrector and out of a Meddler dam. Write me your wants.
John B. Freeze, Bayneville, Kan.

BOLLIN'S POLAND CHINAS.

We have for sale some very good spring boars. Write and get our prices on an extra high bred gilt or bred sow. These are representatives of the very best blood strains of the Poland China breed. We give customers satisfaction. Write today for particulars.
John Bollin, R. D. 8, Leavenworth, Kan.

POLAND CHINA SALE, JAN. 24, 1910.

23 bred sows, 10 gilts, 10 boars, 17 summer and fall pigs. Send for catalog and come to my sale.

Chas. H. McAllister, Carmen, Okla.

EXPANSION POLAND CHINAS.

A choice lot of Expansion bred fall pigs, both sexes. September farrow for sale. Nice, thrifty pigs and will be sold worth the money. Mostly Expansion blood, though I have other good ones for those who want them. Get your orders in early.

W. E. Willey, Steele City, Neb.

When writing advertisers please mention Kansas Farmer.

DUROC JERSEYS

ELK CREEK STOCK FARM DUROC JERSEYS.

Two valuable mature herd boars for sale. 100 spring pigs to select from. Best of breeding and individuality. Always something for sale. Come and see my herd or write me.

J. E. JOINES, Clyde, Kansas

GILTS RESERVED FOR MY FEBRUARY 2 BRED SOW SALE.

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

E. M. MYERS,

Burr Oak, Kan.

BOARS BOARS BOARS BOARS

15 good ones left sired by the \$2,500 King of Col's 2nd. Prices consistent with time of year. Bred sow sale at Clay Center, Feb. 17th.

FRANK ELDER, (successor to Grant Chapin) Green, Kan.

R. & S. FARM.

In their Bred Sow Sale, Feb. 3, 1910, at Smith Center, Kan., will offer about 40 select Golden Ruler Gilts bred to King of Kant Be Beat 83333, and R. & S. Prince of Col's 88797. Also a few tried sows bred to Golden Ruler 80555. King of Kant Be Beat is 2 years old and weighs 800 lbs. Has a 10-inch bone and stands perfect on his feet. Breeders should slip up and take notice of such an offering.

Rinehart & Slagle,

Smith Center, Kan.

HOWE'S DUROCS.

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

J. U. Howe, Wichita, Kan.

CEDAR LAWN HERD.

Nice lot of spring boars, sired by Long Wonder, Bells Chief, Rose Bell and Top Model, a choice lot of fall gilts open or bred, priced right to sell quick. Write me at once.

F. M. Buchheim, R. D. 3, Leocompton, Kan.

BRED SOWS AND GILTS FOR SALE.

By Bonney K 47075 or others bred to him. Also both sows and gilts bred to Kant Be Beat 2nd. I will sell choice bred sows with Pearl H. Pagett at Beloit, Kan., Feb. 1.

R. G. Sollenburger, Woodston, Kan.

FOR SALE.

A few late spring and summer boars of good quality, also some good bred yearling sows and spring gilts priced right.

H. A. J. COPPINS,

Potwin,

Kansas.

GREENWOOD HERD DUROC JERSEYS.

Herd boar Dandy Duke 64683, few choice spring boars for sale and few extra good spring and fall gilts, few tried sows bred for spring litters. Write or come and see me.

R. D. Martin & Sons, Eureka, Kan.

FOR SALE

Two gilts out of Variety Maid, sired by Light Shade 80909. My hogs won \$50 at Coffeyville fair. Four head sold in the sale at Enid, Okla., for big prices. Bronze turkeys for sale.

J. M. Young, Fall River, Kan.

CROW'S DUROC JERSEYS.

Herd headed by Climax Wonder, he by Missouri Wonder. 100 head to select from. Prices reasonable. The electric car runs within three blocks of my farm. Come and see my herd at any time.

W. R. Crow, Hutchinson, Kan.

Stodder's Duroc Jersey Bargains

30 bred gilts large and thrifty sired by May Boy, Improver Lad and Helen's Wonder. They are bred for March and April farrow to my Inventor boar and Helen's Wonder, a son of Red Wonder. I also offer a few Shorthorn bulls by Capt. Archer.

J. F. STODDER,

Burden, Kawley Co., Kan.

DUROC JERSEYS

NEW LOCATION

at Enid, Okla., will hold a grand champion bred sow sale March 24, 1910.

S. W. ALFRED & SON, Kansas.

Sharon, Kansas.

DUROC JERSEY BOARS AND GILTS.

The tops of my spring crop. Sired by the Champion Chief Tattarrax and G. M.'s Carl Col. Dams of the richest breeding. Reasonable prices.

Geo. M. Hammond, Manhattan, Kan.

"DUROCS 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 bred boar. They are grown right, are good, and we answer all letters of inquiry.

C. L. Carter, Cabool, Mo.

SPRING BANK HERD DUROCS.

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

W. H. Williamson, Raymond, Kan.

FOR SALE—WORTH THE CANDY.

Sows and gilts by Tip Top Notcher. Hanley Buddy K 4. Ambition bred to 1st prize boar at St. Joe, 15 good boars, sows and gilts all ages, bred or open. Hogs for the breeder or farmer. Write

J. E. Weller, Faucett, Mo.

(15 miles from St. Joe.)

WEST RIVERSIDE STOCK FARM—

Durocs as good as the breed affords. Ohio Chief, Tip Top Notcher, Buddy K IV, King of Cola, Gold Cloud. Blood lines with the individuality to back up this breeding. Write me for prices and let me know your wants. Mention Kansas Farmer.

H. E. Fisher, Danville, Harper Co., Kan.

Hanley Strain of Durocs

Write for prices.

Paul B. Johnson, Leavenworth, Kan.

Fitch's Kant—Chief Improver

A nice line of March and April boars to price worth the money after August 1. Write any time for prices and information.

W. T. Fitch, Minneapolis, Kan.

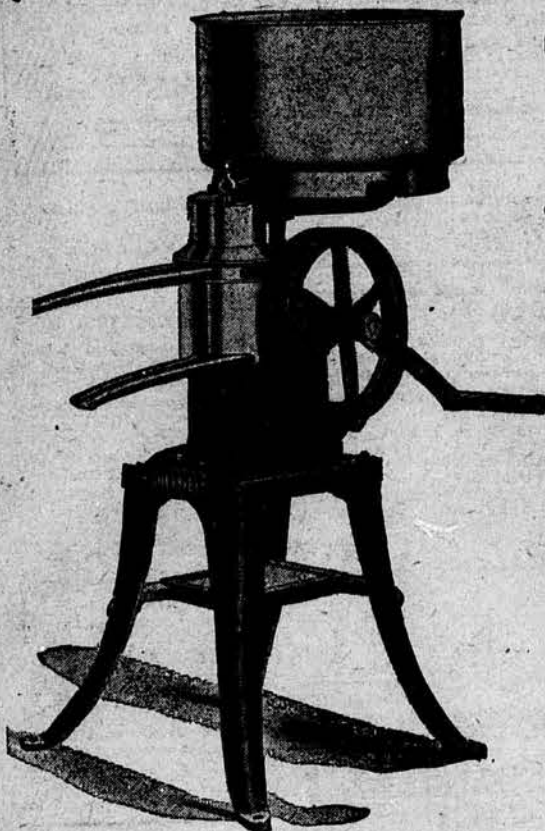
A Self-Balancing Bowl Cream Separator Guaranteed for 15 Years

Fifteen-year guarantee! Yes, an actual 15-year guarantee on the Sheffield Cream Separator, a genuine, legal, hard and fast, absolutely binding guarantee for the full legal term of fifteen years of actual, everyday service and use on your farm or in your dairy. Think of it. This is the most sensational guarantee ever made on any cream separator. It is the only cream separator on which there is a fifteen-year guarantee—it is the **only** cream separator on which a fifteen-year guarantee can be given.

This 15-year guarantee is made possible by the Severin C. Anker-Holth self-balancing bowl, which practically eliminates wear and tear. It is a perfect self-balance, because it balances automatically. There is no possible opportunity for it to get out of balance. The Sheffield is the only self-balancing cream separator made in America. The others are balanced with lead or solder. For proof of this look inside the bowl and see. We guarantee the Sheffield for fifteen

years—it will last a lifetime. The reason why we can afford to bind ourselves to you in this unparalleled guarantee is because the Sheffield Cream Separator is made with the most astounding mechanical accuracy. We know there can be no defects in material or workmanship.

Caution—The few splashes of lead dropped inside the bowls of other manufacturers to make the bowl balance may work for a little while—for a year perhaps—but such a separator cannot be truthfully guaranteed for even six months. No one can tell when these splashes of lead may fly off.



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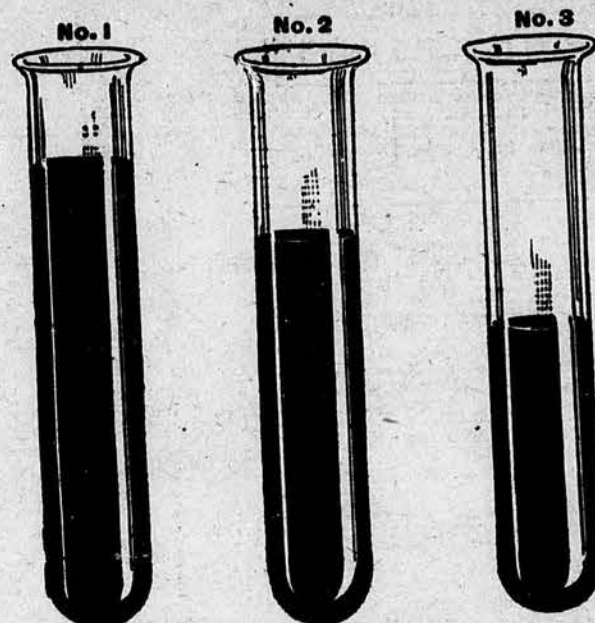
DON'T PAY US A CENT until you have tried the Sheffield Cream Separator—until you have given it a full, complete, prolonged examination, trial and actual continued working test—the actual test—the test that cannot leave any room for doubt. Don't send us a dollar or pay us anything whatever until you have fully and freely tried the Sheffield Cream Separator as you think a cream separator ought to be tried—in your own way—on your own farm.

Your simple word that you would like to see this cream separator on your farm, in your dairy or wherever you want to use a cream separator brings it to you instantly. We send you the Sheffield Separator without a bit of quibbling or hesitancy. Some firms pretend to give you a free trial, but they ask you to give them your money first. We are entirely satisfied to let our cream separator speak for itself. The Sheffield Cream Separator sells itself. It is sold in no other way. That is the way you ought to buy a cream separator.

We send the Sheffield Separator to you on **FREE** trial. If it does not sell itself to you by its excellent and superior work in every way, send it right back to us at our expense, and no questions asked. Test the Sheffield Cream Separator in every way, watch your profits go up, watch the increase in the amount of your cream. Then if you do not believe you want a cream separator just send it back at our expense. If, however, you decide to keep this genuine self-balancing bowl Sheffield—the unrivaled separator—the separator that gives you greater profits and less work and care than any other—that makes every cow you have give 100% greater value, and insures you greater profits than you ever made on cream before, we will allow you to keep it on extremely easy

MONTHLY PAYMENTS!

These payments are so small you will hardly notice them. You pay out of your increased profits on cream. The separator always more than pays for itself.



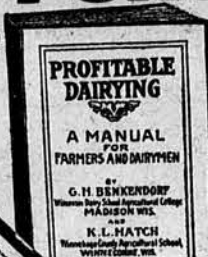
We give you here positive proof of the superiority of the Sheffield Cream Separator over two other cream separators of acknowledged high-grade. There can be no more clinching proof than this—the proof no other separator manufacturer would dare let you make if a Sheffield were around. We show you here three test tubes, all of the very same size. Three portions of milk, each portion the very same in quantity were taken from the same cows. One portion of this milk was run through the Sheffield Cream Separator and the other two well-known cream separators referred to in Figure No. 1 illustrates the amount of cream extracted by the Sheffield. You can see for yourself that it is at least 25% more than that extracted by the separator whose product in cream is shown in figure No. 2. This separator cost \$35.00 more than the Sheffield, and yet you can see that only three-fourths as much cream was extracted from the same amount of milk. This test was made not only once, but over and over

again until there was absolutely no doubt in the minds of the judges of the superiority of the Sheffield.

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