NSAS FARME

HARMES, FLENAA

FOR THE IMPROVEMENT

OF THE FARM AND HOME

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How To Build A State F

"In the first place there must be some object, some purpose for maintaining the various fairs and exposi-tions. They must be worth while, else the interest in them would decline and they would soon cease to exist. Since being in the fair work I am always on the lookout for what excuse others might have to offer for their exis-

"During the past season in looking over the various periodicals that weekly come to my office I found on the editorial pages of that great farm journal published in your city, the Kansas Farmer, what in my opinion, was a clear and decisive definition of was a clear and decisive definition of a state fair. Many of you people probably read this editorial; if you have it will not hurt you to listen to it again, if you have not it will set you thinking so that in the future you will know the strength and power of doing good, which is building up these great institutions for learning throughout the entire world, but more especially in America. especially in America. The editorial was as follows:

The state fair is full of interest and meets the wants of the city and country worker alike. It is the state on exhibition. It is a great showing of its products, manufactures, rops, live stock, machinery, minerals, and all the methods and processes by which the state has attained its position in the world. It is a great university which teaches by object lessons. It is the one place where the result of their labors may be seen.

The state fair is the advertising agent of the state. It is the great show window of its store of accom-plishments and what she has to offer. It is the exposition center of all of the interests and industries of the commonwoalth and it is the place for the annual reunion of its citizens. To all of its people the educational and social value of the state fair is unquestioned and unmeasured, but it has a patrio-tic duty as well. It is a duty which each citizen owes to himself, his family, his neighbors and his state to attend the fair see what is to be learned, touch elbows with his fellow men in the march of progress and spend a most profitable vacation. PRESIDENT M'KINLEY'S ENDORSEMENT.

I wish that everybody in the of Kansas might have heard that splendid address made by President McKinley at the Pan-American exposition at Buffalo the day previous to his assassination. To Americans and American institutions he paid a noble tr'bute. He said: 'Fairs and exposi-tions are the time keepers which mark the progress of states and nations. They record the world's advancement. They stimulate the energy, enterprise and intellect of people and quicken human genius. They do into the home. They broaden and brighten the daily life of the people. They open mighty store houses of information to the student. Every fair or exposi-tion, great or small, has helped to some onward step. Comparison of ideas is always educational, and as such instructs the brain and hand of

Secretary Simpson of the Iowa State Fair Addresses the Topeka Commercial Club

"And so it goes-every intelligent and right thinking man now sees the mission of the state fair. He can see that it will induce men to mix brains with their work; it will urge men to better efforts, more intelligent breeding, more intelligent farming; and when it does that it will accomplish a great purpose.

IOWA FAIR AGRICULTURAL.
"The Iowa state fair is distinctly an agricultural and industrul exposition, and is attended by typical agricultural folk—intelligent, prosperous, happy people who stand for 'good' farming, clear thinking, right living.' It is because of the character of the people that the exhibits of practically every thing needed on the farm and in the house may be found on the grounds, the very best horses, cattle, sheep,

swine, poultry, vehicles, improved implements and appliance of every description, seeds of the best varieties of farm crops, fruits, plumbing and lighting systems, house furnishings, stoves, musical instruments; everything, in fact, needed on an up-to-date farm or of use in a well ordered home. The man who makes anything home. The man who makes anything to sell that will lighten the work of the farm, improve his condition or contribute to the comfort of his family, has sound that there is no better place to display his wares than at the lowa state fair. Farmers are quick to recognize and appreciate anything of real merit.

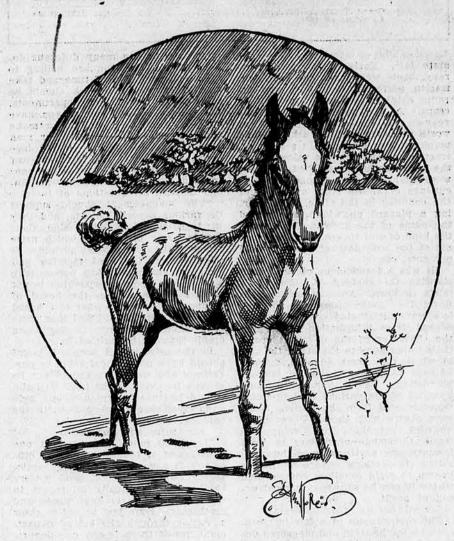
"An advance step was taken last year by the lowa fair in regard to the exhibits space in our agricultural building. For years past the agricul-

ture of the enterprising west, north-west and southwest has been domin-These bright-minded, breezy men from those sections know a good thing when they see it; they realize the advertising possibilities of an exhibit where they could come in touch with thousands and thousands of good Iowa farmers. They were not to be blamed for displaying their products of the soil in the most de-sirable space in Iowa's agricultural, building. But 'home first' is a good motto and was adopted by the Iowafair management the past season. The purpose of the Iowa state fair is to demonstrate the great resources. and possibilities of Iowa-not of Wyoming, Texas, or any other state. Foreign exhibits were therefore barred from showing in our agricultural building. If they desired to exhibit they were sold space at so much per foot, the management putting it on a strictly commercial basis, not even excepting Uncle Sam.

SPENT \$75,000 FOR HOG STABLES.
"If the state of Iowa is known for any one thing it is for the number of hogs upon her farms. If the lowa state fair I ads in any particular department it is in the annual exhibit of hogs. When I tell you that it takes from six to eight trains of 20 cars each to bring in the hogs for the Iowa show I know you will think I am from the 'show me' state. But when I tell you the give and cost of the I tell you the size and cost of the building it takes to house this great show you will begin to sit up and take notice. The average number of hogs brought to the Iowa state fair varies from twenty-five hundred to thirty-two hundred. Three years ago we recommended to the general assembly of our state that an appropriation of \$75,000 be made to build a hog barn. They thought we were crazy; so did many other people. But the appropriation was forthcoming and the building was erected at an aggregate cost of about \$85,000. It covers three acres and will comforably house three thousand hogs: at varies from twenty-five hundred to ably house three thousand hogs; at that the very first year after it was built more than one thousand hogs were turned away for lack of room.

AN EDUCATIONAL VALUE. "Fairs have educational value. It is conceded that a man, woman or child will learn more of lasting value at a fair in a day than can possibly be learned elsewhere in the same length of time. A fair (when I say 'fair' I mean a real fair with a diversified exhibit) with an attendance of two hundred thousand in a week gives more days of instruction than a school with an average of one thousand per day running nine months in a year. It reaches both the young and old, city and country folks slike. Compare the cost of maintaining such a school with the amount actually expended by a state for its fair and the fair becomes a paragon of cheapness as well as utility. Only recently Kansas had the honor of furnishing both the grand champion and the International show.

"These steers were fed at your agricultural college under the supervision



"Happy New Year"

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of a former Iowa man. Professor R. J. Kinzer, whose education and training was received at the Iowa Agricultural College and at the Iowa state fair. He was formerly assistant superintendent of cattle at our fair and has been a judge several times. I do not believe that Professor Kinzer would ever have become the expert he is, with that keen touch and trained eye, had he stopped with his college course and not become a constant visitor and participant at the great live stock shows. But few people realize the high relative position which a properly conducted fair should occupy among educational institutions.

MUST HAVE WORTHY FURFOSE.
"There should be a worthy purpose in every fair. There must be a beneficial object in view. Those who undertake the management of a fair without well defined ideas of the substantial value of such an institution, thinking it only of adding another department to the political machine or the creation of places for impecunious politicians, will meet with speedy disappointment. Loft'er aims than these must rule. The old saying so commonly expressed in connection with a public office 'two terms and out,' or 'if it is a good thing pass it around, should have no standing with reference to the management of a fair if you desire to be successful. It is not practical in your own affairs, and the same common sense management applied to ordinary business affairs is equally necessary in a public enterprise such as a fair.

'Any fair manager fitted for the work he is to do cannot be kept too long in that particular position. A poor man—I mean a man who shows no particular ability or takes no interest in the fair work, who does not by his energy, push and brains add to the constructive work of the fair, no matter what his position in the business world may be—has no place upon the board as a fair manager, and the sooner his connection with the institution is severed the better off the fair will be. It is the active, constructive brain that is necessary to build up or think out the problems which confront up; almost any child can point out our faults. The man or woman who is eternally criticising the work of others without offering any plan for betterment is what Mr. Roosevelt would term 'an undesirable

"We have in Iowa, as I have no doubt you have in Kansas, a flourishing oragnization (with a fairly good membership at all times) known as the 'Knocker's club' or 'Do Nothing society.' It can be said for their membership that they take great interest in the work of their club, no matter how little their efforts are directed along lines that would produce some benefits.

They say our state board of agriculture is a close corporation, a little



J. C. SIMPSON, Secretary Iowa State Fair since 1991.

ring within themselves. I do not deny the accusation but I defy them or any other citizen of Iowa to point out one instance wherein the so-called 'ring' has not directed its efforts along lines for the best interests of the state. Party of factional politics have no standing with our boards; it is made up of Democrats 'Standpatters' and Progressives,' all working as a unit and in a harmonious manner. Among fair exhibitors and fair managers the

Iowa board is known for the length of service of its members and the few new faces to be seen from year to

year in its membership.
"I doubt if you could find the country over so large a body of men who have such absolute confidence in the judgment of one another as is found with the members of the Iowa state board of agriculture. To this, in my judgment, can be attributed the posttion the Iowa fair has attained within the past few years.

MANAGEES WITH ABIDING PAITH. "State fair managers should have abiding faith in the utility of their work; they should feel that each anaual exhibition has practical educa-tional value to every one of their thousands of visitors, and vigor and earnestness will then characterize their every action. It was with this purpose in view that the Iowa fair management last season undertook the laborious task of making an educa-

amusement features, which are a legitimate and necessary adjunct to any well managed fair. One of our most learned men has said that relaxation and recreation are as necessary to the proper bringing up of our families as education. City people spend thous-ands of dollars every year for amusements. Country people are equally anxious, when opportunity affords, of listening to a high class musical concert or seeing good clean and wholesome amusements.

"Amusements do not detract from the educational features of a fair; on the contrary they add to them. One department of a fair should not be built up to the detriment of another. If your departments are all weak in exhibits it is sometimes necessary, owing to financial conditions, to build up one department at a time; but the management should never lost sight of the fact that among the many thousands of visitors there are those

our amusement program, is no less interesting. Our approval of this department of the fair was best illustrated in the many days and weeks of hard work we put in last winter to secure the appropriation for a fireproof amphitheater that a safe and commodious place might be had where the women and children as well as the men could sit in ease and safety and enjoy the amusement programs.

"Last year I was particularly interested in the show of dairy cattle, the first respectable showing of dairy cattle we have ever had. Iowa is a great dairy state; second, I believe, in the production of dairy products, and at that but little attention has been paid or work done to improve our milch cows. Farmers have gone on year after year milking a few cows-and when times were hard more cows would be milked-never thinking or seemingly caring to know if the cows they were milking were paying a profit; dairying was a side line with them. They are just now, through the efforts of our State Dairy Assoclation, awakening to the fact that it costs no more to feed and keep a good cow—one that will pay a profit instead of being indebted to the farm at the close of the year. With the assistance of the editor of one of our live dairy journals and some live breeders of our state we were able to interest the officers of some of the breeding associations of dairy cattle to the great possibilities for dairy cattle in Iowa, and with the help of these men we were able to get a show of over two hundred dairy cattle at the last fair. The sow will be larger next year; of this we are assured.

"We began a few years ago to build up a show of commercial horses; this has been growing each year. From one neighborhood in the state we had shown this year over 35 head of this class of horses-all by farmers. The entries in this class at the last fair outnumbered the entries in a similar class at the last International Live Stock show. There is just one thing we lack at the Iowa fair—that is a mule show.

When I go down to the Missouri state fair at Sedailia, or to the American Royal at Kansas City, and see the magnificient show of mules, and the prices they ask-and get for them, I feel that we are losing a golden opportunity in Iowa. We have been watching these shows for some time and becoming more interested each year in our desire to see such a show in Iowa that results are bound to come sooner or later, and if Iowa ever starts in the mule business, look out for her.

"The Iowa State fair received no aid from the state for its sup-port, as many of the other fairs do. The maintenance of the grounds and payments of all expenses and premiums must come from the receipts. The grounds are, however, owned by the state, and special appropriations are made from time to time for new buildings. Appropriations for this purpose made by our state follows: In 1902, \$37,000 for a stock pavil-

In 1904, \$47,000 for an agricultural

building.
In 1907, \$75,000 for a hog barn. 1909, \$100,000 for an amphitheater.

"In addition to these various sums the management has put in improvements at the grounds over one-quarter of a million dollars, which has come from net profits in eight years. And while doing this the amount paid in cash premiums has been increased yearly until the offering now totals \$60,000. This increase from year to year has amounted to over \$100,000 additional being paid out in premiums in eight years.

"I see no reason why a great fair can not be held in your city. Such a fair would of necessity have to be supported by public spirited men, with the assistance of the town, at any rate until such a time as your state sees fit to establish a permanent state fair. The grounds at Toronto are owned by the city, which makes all the improvements and receives all the receipts and pays all expenses. The grounds are used for park purposes when the fair is not on.

"In conclusion I again wish to assure you that it has given me great pleasure to come to Topeka, to meet such a live crowd of business men as I have met since coming to your city. I thank you.'

Secretary Coburn's Christmas Card.

KANSAS CROPS AND PRODUCTS IN 1909. The yields and values of the year's crops and products are as follows: slaughter. 66,632,337
Horticultural and Garden Prod-Horticultural and Garden Prod-ucts. Honey and Beeswax, lbs. 1,108,197 Wood Marketed. Total value \$307,538,165 NUMBER AND VALUE OF LIVE STOCK.

Number.

958,335

Mules and Asses.

173,609

22,742,779

Milch Cows.

671,662

23,508,179

Other Cattle.

2,018,965

50,474,125

Sheep.

159,271

Swine.

2,157,048

19,418,432

Tota: value \$225,147,080

tional exhibit of farm crops at the last interested in the many different destate fair. Early in the season arrangements were made and an organization perfected to collect and arrange exhibits or some of Iowa's field crops. As the result Iowa had this year an exhibit of farm crops that was worth while from an educational stand point. It was arranged in a most attractive manner, but its value was in the information furnished. were samples of first, second and third cuttings of alfalfa from over half of the counties in the state, each bearing a placard on which was stated

the name of the grower, the county, the kind of soil together with a sample of the soil, date of sowing, yield per acre, etc. It was a tremendous object lesson showing the success of growing al-

falffa in Iowa. Another section was devoted to grain crops. Small leaflets were distributed containing condensed farm information concerning character of the different crops, their importance to the state, the soil to which they were adapted, amount of seed to the acre, time or sowing, harvesting, value per acre, etc. Samples of the various food products manufactured from the various crops were shown with them. There is no question but that this display was worth thousands of dollars to Iowa farmers, and particularly to those residing in sections where alfalfa is known to yield excellent returns and where it can be grown at a most ex-

cellent profit.

REAL SUCCES NOT FINANCIAL.

The real success of a fair is measured by the benefits and pleasures derived from its holding and not from a financial standpoint. Although we will have to confess that the public really measures its sucess at the close by the net profit or loss acquired. An effort should be made to have the exhibits in the various departments well balanced, not losing sight or the

THE MALE STELL SOUTH TO THE STELL ST

partments. Men wno are willing to devote a good deal of time and take an interest in their work should be selected to head the departments. Give them a loose rein if you have confidence in their ability to make good; if you have not another man should take his place. Never lose sight, however, of the fact that any successful business must have centralized power, some one who fin-ally decides all questions at issue.

The management should support its various superintendents, and they in turn should stand behind their judges. Any differences which arise among the managers should be threshed out in board meeting and forgotten thereafter. Any person with a selfish or jealous disposition is not needed or wanted on the board of management. No member of a board of management should feel that some of their members are getting more credit than he is entitled to.

In the selection of judges a board should have no political debts to pay. Friends and neighbors should not be given a free visit to the fair. The aim should be to select men wholly able and experienced and not limit the

MUST NOT SPECIALIZE.

"I am no more interested in one department of the fair than any other. It is a great pleasure and satisfaction to me to see a good poultry exhibit. I am equally interested in the exhibit of farm implements and machinery. I am just as apt to show a visitor through the ladies' department, for if there is any one department we are proud of it is the excellent exhibit of hand needlework and china painting annually shown by the ladies. Our interest in live stock has been manifested by the new buildings the management is constructing to house these exhibits. Our faith in races, which are considered a part of T-

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SUPPRESSING HOG CHOLERA



Kansas Agricultural College Producing Anti-Hog-Cholera Serum to Distribute to Kansas Farmers.

Hog cholera has been unusually prevalent and fatal in Kansas this year. The loss to the farmers from this source this year will probably exceed a million dollars. The Kan-sas State Agricultural College is producing anti-hog cholera serum according to the government method, and is now ready to distribute it to the farmers of the state as fast as produced. The protective power of this serum has been thoroughly tested by the veterinarians of the col-lege and an officer of the United States Department of Agriculture.

With the present facilities the college will be able to produce 100,000 doses of serum during the year, if this amount is required to hold this disease in check. A larger output will be possible if the demands from he farmers indicate the necessity

By the use of this serum an out-break of chelera may be almost imnediately checked and practically all logs in a herd not affected saved and he spread of the disease to neighborhe stupendous loss already referred o prevented.

If the farmers will avail themselves of this opportunity and use the erum, this disease ought to be rought quickly within control and hependous loss already referred to revented.

The veterinary department of the The veterinary department of the ollege is now issuing a copiously ilustrated bulletin dealing with the ntire subject of hog cholera and cointing out how it may be prevented and its spread checked.

To produce the 100,000 doses of erum at the college, it is necessary

In April, 1881, I sold 31 poplars and

to kill with cholera in the college pens more than a thousand hogs. These healthy hogs are purchased and given the disease especially for the purpose. To prepare a hog to furnish this serum requires that the blood of five of these hogs very seriously ill with cholera be injected into his system. Moreover, the labor required to produce the serum of high productive power and free from other diseases requires the closest supervisions of the more than the service of the service sion and the employment of the most exact scientific methods. Two experts of the veterinary department of the college give their entire time to this work, besides the services of several high priced laborers, all under the direction of Doctor Schoenleber, head of the veterinary depart-

There are two uses to which this serum may be put: First, to stop the disease in a herd that is already infected; second, to render a healthy herd immune, which is advisable when the cholera is in the immediate this content is the result of the second of vicinity and when there is danger of it becoming infected.

In the case of an outbreak of cholera, the owner of the herd should immediately report the fact to the State Live Stock Sanitary Commissioner, Hon. J. H. Mercer, Topeka. He will immediately cause an investigation to be made, by a competent veterinarian, and in case cholera is found will proceed at once to isolate and vaccinate those not yet affected with the disease and disinfect the premises, the college supplying the serum.

METHOD OF VACCINATING A VERY LARGE HOG

In case a farmer desires to have his hogs vaccinated before the disease appears and with a view to preventing the disease, he should apply to Dr. F. S. Schoenleber, at the Agricultural College, Manhattan, for the serum and for instructions as to the method of its application. In this case the germs of cholera itself are introduced into the hogs at the same time that the serum is injected. By this means the hogs are made im-mune for life. If serum alone were introduced, the immunity would last only a few weeks. The college sup-plies both this serum and the blood containing the cholera germs, and to

make this double injection the services of a competent veterinarian are

The coilege has no funds with which to do this work, except those appropriated to other purposes, and must therefore charge for this serum the actual cost of production, which, for the present time, in the absence of extended experience, is put at one and one-half cents per cubic centimeter. The dose for an average sized hog is about twenty cubic centime-ters, or ten teaspoonfuls; that for a small pig, about ten cubic centime-

Any farmer interested in this matter may secure a copy of the bulletin on this subject, giving full details for the production of the serum, its value and its use, and suggestions in regard to the prevention of spread of the disease upon request to the college. Or any further information in regard to this serum will be furnished upon application to the veterinary department of the college.

During the State Farmers' Institute at Manhattan, Dec. 27 to Jan. 1, Doc-tor Schoenleber will make a demon-stration of the use of this serum to the thousand or more farmers who will attend this convention at the college. The following week the Kansas State Veterinary Medical Association meets in Manhattan, and a more detailed demonstration of its application and value will be made. Doctor Schoenleber will explain its value and use at the State Improved Live Stock Breeders' Association, which meets in connection with the State Board of Agriculture at Topeka early in January.

25 large black walnut trees for \$825. These magnificient trees were tall and most of them straight as gun barrels, and without a limb 50, 60, and some feet above the ground. Many of these trees were five feet in diameter at the stump and not a swelled butt among them. Why were these grand monarchs of the forest sacriced for the pitiful sum of \$14.73 ach? All over Indiana there were thousands of other trees, just like them, being sold the same way. At that time we thought we had timber

enough to last for centuries. Today

those trees would be worth \$8,000 and still the slaughter goes on. Conversation of our resources nuch talked of just now. No doubt here is much good timber in the nountains and also in Oregon, Washgton and the south, but the quanty is pitifully small compared to that it was thirty years ago writes . A. Stockwell in Farmers Review. What then shall we of the farms of the middle west do? 'Iwenty-five years ago E. E. Barney, the great asseger coach builder of Dayton, hio, sounded the alarm and tried to et us to plant catalpa trees. But we

more interested in destroying

what timber we had than in planting more. After a thorough investigation

THE CATALPA WOODLOT

of the merits of various kinds of trees, such an investigation as few were qualified to make, he recommended the catalpa as offering the best re-

turns for time and money invested.
So enthusiastic was he that he issued a pamphlet of several pages describing the tree, with full directions for its culture, predicting the scarcity and high prices of lumber that now prevail.

Not only this, he advertised the pamphlet and sent it gratuituosly to all who asked for it. vinced by his unanswerable argument, planted groves, and now are reaping the reward for their farsightedness.

A VALUABLE TIMBER. In the timber section of the St. Louis exposition was a catalpa exhibit in which was shown a post which had been in the ground for 80 years and a railroad cross-tie which had been in use 30 years, both in a good state of preservation; also a section of a fine stairway and a beautifully finished pasenger coach; fine furniture, all made from this wood.

Quoting from Mr. Barney's phlet: "The catalpa is the most durable timb r known. At the same time it is the most rapid growing tree

(cottonwood excepted) that we have. It will grow to post size in from six to eight years, according to the fertility of the land. It takes a polish equal to Honduras mahogany, and makes the best of veneer."

Last year I visited a number of lumber words is this state in makes in this state in makes the series of the state in makes the series of the state in makes words in this state in the st

ber yards in this state in which fence posts were priced at from 22 to as hight as 42 cents for seven foot posts five inches in diameter at the top, and end posts eight to nine inches top diameter at \$3 each.

On almost every farm are waste places, grown up to weeds or briers, returning no income to their owners, that might better be growing timber. Fences we must have, telegraph, telephone and interurban poles are being required in increasing numbers every

Already railway companies alarmed at the prospective shortage of tie timber and some of them are planting catalpas along their right of way, and some are planting large blocks of land for this purpose. Many substitutes have been tried, but there is nothing so good, all things considered, as a wood tie.

The Pennsysvania railway put in a

lot of Carnegie steel ties near Altoona,

but after a terrible wreck in which there was a fearful loss of life, they took them out and put wooden ties in their places.

The man who plants catalpa trees need never fear lack of a market for

We have talked of posts, poles and ties, but as a matter of fact these trees when grown to age (20 years) will be far too valuable to use for such plebian purposes. Our hickory, oak and ash gone, catalpa will take their places. For axe handles, fork handles and handles of all kinds it is the equal of these woods. Tough? You can hardly break a dead limb from a tree. I have a coil made in a hoop factory that has been handled by hundreds of people and straightened out many times, yet is still a coil as originally bent. I also have a cross-section cut from a log twenty inches in diameter, which was only nineteen years old. The growth of the tree as shown by the annual rings was as great the last four years of its life as during the first four. In the spring of 1907 I set an acre, and the trees are now fifteen feet high, three inches in diameter, and a sight to behold. See accompanying illustration.

In our next installment we shall give directions for growing the trees.

Did you ever notice that the knocker is on the outside? That is why he knocks.

In these days of keen competition in every walk in life it is no longer true that "ignorance is bliss." It is

Wonder if a little bunch of sheep wouldn't solve a whole lot of farm problems. They cost little to begin with, their keep amounts to less and the amount of weeds and brush they would destroy is much. Then look over the market reports and note what they bring for mutton after their wool has been sold.

The present weather conditions have continued longer than any like "spell" on record here. The government weather bureau was established in Topeka in 1886 and since that time the records do not show any similar conditons when snow has covered the ground for so long a period. While this may have been to the detriment of the live-stock interests in some degree it will be of the greatest value to the crops.

What is a good ear of corn, who can tell? Five hundred boys from various parts of Kansas will go to Manhattan for the State Institute this week and they will learn how to judge corn. In fact, the most of boys will know about corn judging a good because these bit the most of them are prize winfrom the various local contests that have been held this fall throughout the state. It will be a great week for boys, one long to be remembered and any farmer can well afford to make the investment of the expense of sending his boy to the State Insti-

The recent movement has been more indicative of the spirit and the financial condition of the people of Kansas than that inaugurated by the extension department of the State Agricultural College in turning the practically useless "poor farms" into county experiment stations. In many counties of Kansas the county farms have been a dead expense to the taxpayers because they have had no occupants. In others the numbers are few in proportion to the cost and value. Of what better use could these county farms in prosperous Kansas be made than to turn them into machines for adding to the sum total of human knowledge about that art which is the foundation of all pros-

One of the great problems that always confronts the farmer is that of adjusting his motive power so the demands of the rush season and at the same time not to be overstocked with horses who will eat their heads off, at other times. A great help in solving this problem is to so arrange that there shall be a crop of colts for sale each year, by doing this the mares double their profit making capacity. But even if this is done it becomes almost necessary to have two kinds of horses, one for heavy farm work and the other for the road. The best solution, however, is to confine breeding operations to the horses and let the automobile do the road work. It is cheaper and there are wonderful possibilities ahead of the "gasolene horse."

Don't leave the farm. If you are ailing and need a change you can travel or remove to town temporarily. If you are ready to retire from active work, retire to the farm where you have lived, and loved and labored. Fix the farm home up with every modern convenience; supply yourself with a good library and plenty of good periodicals; supply yourself with a good driver or an automobile and you will find you have taken on a new lease of life in which your enjoyment will be all the keener. Too many men decide to sell the farm and move to town where they can enjoy the period of rest and recreation which they have earned and only learn of their mistake too late. Rest is a change of occupation, not idleness. Too often the farmer who moves to town without arranging to

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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.

continue the active, out of door life to which he has been accustomed simply writes his death warrant.

* * *

Progress has been made towards the teaching of agriculture in the teaching of agriculture in the common schools but this cannot be done by text books alone. The text book is important, the teacher is important but a plot of ground for practical work is also important. If well handled the school grounds not become of great importance to both the teacher and children in the work of instruction but they are equally so as an object lesson to the entire neighborhood. Not only should there be plots for corn and seed breeding but ornamental effects about the grounds and buildings should be sought after. There and their proper care are more potent forces in the development of character. There should be no attempt to teach the art of agriculture in the common schools. The principles of the science only are possible or needed and for this purpose breeding plots and ornamental plantations are essential.

NEW YEARS GREETING.

On this, the opening day of the New Year, the Kansas Farmer celebrates its 47th birthday anniversary. Born amid the strife of the civil war when the potentialities of Kansas were practically unknown the history of this paper has been most closely identified with that of the state. During its very busy and active life of nearly a half century the state has grown from a mere handful of brave pioneers, who had squatted along its eastern border, to a great commonwealth that stands among its fellows. the peer of any; from a small community undergoing the hardships of frontier life to the wealthiest agricul-tural state in the Union. On its broad prairies and fertile valleys there has developed a new agriculture from which newer and better methods have been derived, new crops which have flourished for the benefit of man and new men whose strength of mind and soul have made them leaders of kind. From peneath the soil has come forth a mineral wealth undreamed of in the early days, and from all a prosperity that has va-cated the "poor" farms, created substantial and happy homes and that remains untouched by the withering blast of financial panics.

Today the "grassy quadrangle which geographers call Kansas" is dotted with the barns and bins for the most valuable crop ever harvested from her acres, her citzens are free from the blight of the liquor traffic, her prisons are but thinly inhabited and her rank in education and refinement is hardly excelled.

In the accomplishment of these wonderful results, the development of an ideal commonwealth from the crudest savagery in so short a time,

the "old reliable" KANSAS FARMER has had a share. Primarily it has always been the farmers' text-book from whose pages he could learn the lessons of the new agriculture of the great southwest and to whom he could always go for a solution of those problems which daily vexed him in his contest with new and untried condition. It has been more than this. It has stood for efficiency in the individual and for that form of right living, right thinking and right training which could make real efficiency posible. It has stood for progress in both the individual and the community and for those forms of energy, activity and vim which have shown their results writ large in the pages of the history of the great American desert. It has stood for cleanliness in morals, manners and methods in the home, the state and the nation and for the enactment and enforce-ment of such laws as would cleanse and purify. But above all it has stood for the home and the boys and girls who live there and who are, after all, the best crop that grows in any land.

All these things will the Kansas FARMER do in the future and more, and to each and every one of its great family of 55,000 subscribers we wish a larger, happier and more prosper-ous New Year than any that has gone

y y y COLONEL W. A. HARRIS IS DEAD.

In Chicago the other day there departed from this life one of the great men of Kansas. Colonel W. A. Harris was called away suddenly at the home of his sister-in-law, and his passing leaves a place that can never be

Of Virginia birth and parentage he came of a line of history-makers and many experiences of many kinds were woven into his own life. When he was 8 years of age his father was appointed minister to the Argentine where he remained with his family for four years. On his return young Harris was placed in Columbia College from which he graduated as a civil engineer. gineer. After his graduation he worked for a time as engineer on the Panama Ship Canal and then returned home and entered the Virginia mili-"Stonewall" tary Institute in which Jackson was professor of tactics. Before his graduation the Civil war broke out and young Harris entered the army of northern Virginia where he attained the rank of assistant adjutant general in General brigade.

In 1865, when the great conflict was ended, Colonel Harris came to Kansas and entered the service of the Kansas Pacific railroad as constructing engineer. He built the Leavenworth branch of that road and remained its resident engineer until its main line had reached Carson in 1868. He then resigned to devote his attention to his Linwood farm and herd of Shorthorns. In 1892 he was elected

to congress, in 1894 to the state sen-ate, and in 1897 to the United States

A Virginian, a Confederate colonel, and a Democrat in blood and belief yet his fellow Kansans, who were credited with being antagonistic to all these, have honored themselves in honoring him. This was not due to any political influence or power. It was in spite of both.

Whatever may have been his political beliefs, whatever may have been his history, all Kansas recognized him as a man. Perhaps no two facts stand out more prominently in recent political history than the securing, by Colonel Harris, of the money rightfully due the government from the Union Pacific railroad after a compromise had been agreed to by congress, and the securing for the State Agricultural College and the State Normal School of the abandoned Fort Hays reservation. By the former Colonel Harris saved to the government more than \$15,000,000, and by the latter he greatly enlarged the State Normal school and created the biggest experiment station in the world.

But it is not for these things that Colonel Harris will be best remembered. In the breeding of Shorthorn cattle at Linwood he made history and his work here can never be appraised at its true value either by the farmers and breeders of Kansas or of the nation. Prior to his day Kansas was known only as a range cattle country. His work, more than that of any other one man, served to place this state on the map of the breeders of pure bred cattle. His Shorthorns were everywhere recognized as the best and to this day his name on a pedigree is a sure guarantee of excellence.

About the time Colonel Harris entered the United States senate he ceased his large breeding operations. After leaving the senate he became managing director of the American Shorthorn Breeders' Association and in that capacity was able to do more for his favorite breed than ever before and more than any other American.

Colonel Harris was a most remarkable man and one to whom Kansas owes a great debt of gratitude. His character was of such quality and sincerity and his manner of such kindliness and dignity that he not only made staunch friends but was everywhere recognized as a leader. To few men have been given the privilege of doing so vast a work in state building as has fallen to the lot of Colonel Harris and to yet fewer will be awarded the mead of praise which is his due for the vast good he has done for Kansas agriculture and live stock.

A man of unusual learning and ability, of quiet strength and dignity and of immense reserve power, as has impressed himself in his day as the most distinguished farmer and stock breeder of the greatest agricultural state. A strong, clean, resourceful man he was everywhere recognized as typical of the true Kansas spirit and as its exemplar he stood above his contemporaries.

All Kansas mourns for one whom it

could ill afford to spare.

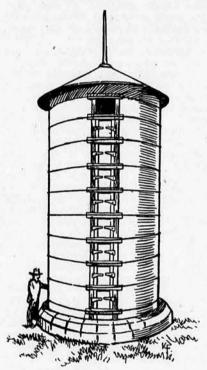
ABOUT BUILDING SILOS.

Much interest has been developed of late in Kansas in regard to the silo ın preserving farm crops. It is unquestioned that the silo has a place in farm economy that can not be occupied in any other way. By its use the farmer is enabled to feed his stock a succulent food throughout the year and thus materially aid in the production of milk, the rapid growing of beef and the early maturing of pork. It is well known that domestic farm animals of all kinds thrive best and are in their best condition when they are on June grass. The silo makes June conditions possible all the year around.

Many questions have come to Kan-sas Farmer of late about the silo which is the best type, how best to build it, how to fill it, and how to feed the ensilage from it.

There are three general types of silos all of which have for their purpose the preservation of green feed for live stock. The first of these is the cement silo, the second the stave silo, and the third a combination of the two. Each has its merits and its champions. Each is successful if it is properly handled. The expense incurred for each is about the same, though it is undoubtedly true that the stave silo has a number of advantages not possessed by the other two.

The cement silo is built in various ways, but usually by building a form of wood in which is placed the barb wire or other reenforcing material, and the concrete, which must be tamped in place and which should be built as rapidly as possible so that one section shall not set before another is added on to it. If this is not done, the silo is more than likely to have leaks which will let the moisture out as well as let the air in, both



Stave silo showing doors and metal hoops.

of which are detrimental to good silage. Another form of the concrete silo is that devised by Prof. J. C. Kendall of the State Agricultural College. It is made by setting metal lath on edge, bending it to the required form, and wiring the parts to-gether and into position. This is then plastered with cement on the inside and allowed to set. A coat is then put on the outside and alternate coats may be added in this manner until the desired thickness is obtained. This method has not yet been thoroughly tested but appeals to the writer as being a good one. In all cement construction however, it must be borne in mind that it is absolutely useless to buy a poor quality of cement. Nothing but the best should be bought for any use about the farm.

The combination silo is made by setting 2x4 studding on end after the foundation has been built. These timbers are set at distances of from 12 to 16 inches apart and are then bound together by patent wood lath which is simply boards grooved to hold motar although we presume metal lath would do. These boards are nailed on horizontally and a coat of cement motar plastered on them from the inside. Outside the studs may be covered with almost any kind of lumber that can be bent into shape, though something that will fit tightly together and exclude the air is better. In this form of silo there is an outside covering of shiplap or other lumber, a four-inch air space, an inside covering of patent wood-or metal lath, and a coat of cement plaster.

The stave silo is made of 2x4s that have been planed and dressed on the edges with tongue and groove like flooring boards so that they will fit together air-tight. After the foundation has been built these staves are set on end and tongued together, one at a time, with care in breaking joints. When they are all in position they are bound by broad iron hoops, which are made on purpose for this use and are supplied with tightening bolts at the ends. It is sometimes necessary to put up guy wires as a protection against the wind, though if the foundation is well made of cement concrete and the silo has been

well built and the hoops kept tightended up, the wind is not likely to
damage it. Most silos are covered
with roofs though this is not necessary, as they are not likely to get too
much moisture from the ordinary
rain and snowfall. Should it be
found however, that moisture has collected in the bottom of the silo, this
may be drawn off and when mixed
with alfalfa leaves or bran it becomes
an excellent feeding material

an excellent feeding material.

The superiority of the stave silo lies in the fact that wood is not so good a conductor of heat as is cement or other materials which have been used for building silos and hence there is less spoiled ensilage around the margin. The stave silo is also provided with a series of short doorways which may be taken out as the ensilage is fed until the bottom of the silo is reached. This is a great convenience. After the upper portion of the silage has been fed, the second doorway is taken out and then the third and so on until the silo is empty. The silo, of whatever kind, should be about two or three times its diameter in height. Fourteen feet diameter on the ground and thirty feet high is a very common size.

While the farmer can build his own silos, it would seem to be a mat-ter of real economy for him to buy if he has selected the stave type of silo. Manufacturers who make a business of it can furnish the timbers, the hoops and sliding doors in a much better condition for tight fitting than they can be prepared at home, and generally at a lower price. Of one thing we may be sure. The silo has come to stay and as the values of land increase with each succeeding year and the farmer is compelled to produce a higher quality of both crops and stock on his farm, the silo will have an important place in the agriculture of Kansas and will be deemed a necessary farm building.

THE VALUE OF THE SOIL.

The value of the silo is unquestioned. By its use crops may be saved in dry seasons that could not otherwise be preserved. By its use the whole of the corn crop of only 60 per cent of it as now when the ears only are harvested. By its use the stock may be fed succulent feed at all times and thus enjoy June conditions the year around. By its use the crops are placed under shelter where they are handled in bad weather with the utmost ease and comfort. By its use better and quicker results are assured in either the beef or the dairy herd. By its use the farmer feels that he is up to date because he does his work easier, quicker and with more profit. He has more time and more money. more time and more money. He is at peace with himself and his neighbors. He is an optimist. He has made a good investment.

THE KANSAS IMPROVED STOCK BREEDERS ASSOCIATION.

Beginning on Monday, Jan. 10 at 2 o'clock p. m. the Kansas Improved Stock Breeders Association will hold its 21st annual meeting. This meeting promises to be one of the most interesting and valuable in the life of this powerful association. This great gathering is one of the most important to the foundation industries of the country and its annual reunions are of the utmost value to both its members and visitors.

In this association are merged the live stock interests. Every breed and class of stock is represented and this plan has found greater favor with and been of more benefit to Kansas breeders than any other. In our sistne farmers week is divided up into 22 different association meetings. In Kansas there is but one. Almost every man who raises cattle also raises hogs and if the meetings are split up into small associations the visitor looses much because he cannot be in two places at once.

The general program provides for all breeds and all associations while the separate organizations held their business meetings part. The old plan of splitting up into many meetings has been thoroughly tried out in Kansas and abandoned. Every body is welcome and everybody will have a chance to stand up for his own particular breed.

Plenty of good addresses by experts in their several lines will be given. Be sure to come.

NEW PROJECTS AT THE KANSAS STATE AGRICULTURAL COLLEGE,

President H. J. Waters, of the Kansas State Agricultural College, when asked what new enterprises were being undertaken at the college, said:

"Hog cholera has been unusually widespread and fatal in Kansas this year. The loss to the farmers of the state from this source alone will not fall below a million dollars. The college has begun the production of anticholera serum, and expects to produce this material in sufficient quantities to supply all of the demands of the farmers, and it is hoped that by their co-operation the disease may be brought into subjection. With our present facilities we shall be able to produce during the year at least 100,-000 doses. In case this does not seem to be sufficient to meet all demands we shall increase the facilities until the demand is met.

"A systematic reading course in general live stock, dairying, horticul-ture, poultry husbandry, veterinary science, etc., will be begun at the college with the new year. Superintendent Miller, of the extension department, has at the present time more than 9,000 farmers enrolled in his farmers' institute organization, all of whom are pursuing a more or less systematic course of reading, under the direction of the college. now planned to have this organization form the nucleus of a broader and more systematic reading course, in which lessons in all of the subjects indicated and others, especially prepared by the experts of the college, will be sent out and regular examination in the work conducted.

"Kansas is the chief hard winter wheat state in the Union. Too much of Kansas's wheat is shipped out of the state to be milled. Moreover, the millers have no way of checking up their operations and of determining where losses are occurring, either in the quantity or the quality of their product. It is planned, to put on early in the new year, a scientific expert who will work on this problem permanently. He will study the losses occurring in the present methods of handling the wheat, from the time it is harvested until it is milled and marketed as flour. These preventable losses, the most competent authorities agree, will annually run far beyond a million dollars in such a wheat state as Kansas. The millers of the state will hold a convention at the college during the holidays, to lend such assistance and encouragement to this work as may be in their

"The great need of Kansas, and of all the great agricultural states, is to have agriculture and kindred subjects well taught in their rural and village schools. Beginning with the new year, a specialist will be put in this field to point out the way in which these subjects may be introduced into these schools and to render such assistance as is in his power to improve the country school. This I regard as the most far reaching and important step which an agricultural college can take."

THE KANSAS IMPROVED STOCK BREEDERS ASSOCIATION. Twenty-First Annual Meeting.

The twenty-first annual meeting of the Kansas Improved Stock Breeders Association, which will be held in Topeka, January 10-12, promises to be one of the very best that this great Association has yet held. The program is brimful of interest and includes the names of practical men, men who do things. Pres. H. J. Waters of the State Agricultural College, who has a national reputation as a careful experimenter in animal nutrition, will discuss "Feeding Problems." Senator H. W. Avery, who owned the great Percheron sire, Brilliant 3d, and who is the oldest Percheron breeder in the west, will discuss the new stallion law. M. A. Smith of Cawker City, owner of Myron McHenry 2:15½, will tell about light horses. Dr. L. E. Sayre of the State University has a most of the State University has a most important paper on poisonous plants, with special reference to the loco plant. A. H. Saunders, editor of the

Breeders Gazette, and H. M. Hill, Lafontaine, have been invited to discuss the Shorthorn. C. L. Carter, secretary of the Southwest Missouri Breeders Association, Cabool, Mo., presents "A Successful Fair Without presents "A Successful Fair Without a Race." Dr. F. S. Schoenleber, State Veterinarian, discusses "Hog Cholera Serum." J. H. Carnahan, Clay Center, the "Breeder and the Banker." Serum." Robt. H. Hazlett, owner of the fa-mous Hazford Herefords, will present the merits of that breed. J. A. Gifford of Beloit, who knows horses, will talk on this always interesting sub-H. N. Holdeman of Meade tells of success with the Holstein-Friesian. Dr. H. M. Campbell of Topeka discusses "Copportunities for Breeders of Dairy Stock." Hon. T. A. Borman, president of the Kansas State Dairy Association and a high authority on the subject, will discuss "Farm Dairy-J. F. Axtell, Newton, presents Alfalfa Meal as the Ideal Feed." J M. Rodgers, Beloit, will be here with a good paper. Dr. O. O. Wolf, Ottawa, member of the State Board of Agriculture, will represent the State Veterinary Medical Association on this program. Dr. F. G. King of the State Agricultural College, will tell how best to care for the brood sow. Theo. W. Morse of Kansas City, will present his side of the case. "The present his side of the case. "The Types Needed by the Packers" will be discussed by W. H. Weeks of Kansas City, and M. B. Irwin of St. Joseph, Mo. Governor Stubbs will give the address of welcome on Monday evening.

The State Board of Agriculture will hold its regular annual meeting beginning at 4 o'clock p. m. on Wednesday Japanese 19th

day, January 12th.

H. C. Dawson's Sons of Endicott,
Neb., will hold a sale of their big
Expansion Poland Chinas at the State
Fair Grounds, Topeka, on the afternoon of Thursday, January 13, 1910.
Everybody is invited and whoso-

ever will may come.

Address I. D. Graham, Secretary,
Topeka, Kan.

S S S TO FEED RIGHT.

Prof. D. H. Otis, formerly of the Kansas State Agricultural College where he is both an alumus and an ex-professor of agriculture, is now assistant dean of the Wisconsin Agricultural College. His words on feeding problems have weight. Lately he said:

"If the feeder has plenty of clover, alfalfa, and silage or roots for roughage, with corn, barley, oats, or similar feeds to constitute his grain ration, the feeding problem is comparatively simple. With these materials one can furnish variety, succulence, ash ingredients and proper proportion of digestible nutrients at least as cheap, and probably cheaper, than when one is obliged to use commercial feding stuffs. Where one or more of these important factors is lacking, it is then well to consider the purchase of some of the commercial feeds. It has been shown by experiments, for instance, that hogs fed on corn will make much better gains if fed a small quantity of meat scraps or tankage. The results of experiments also show that the hogs gain enough more not only to pay for the extra feed, but frequently to increase the efficiency of the corn by 10 cents or more per bushel.

"On the other hand, it is possible to be wasteful in feeding, especially with grain. A case in point is that of a Wisconsin farmer who had been accustomed to feeding a large amount of grain with timothy, millet, corn stover, etc. After being successful in raising a large crop of alfalfa, a much better hay than he had previously fed, he substituted this for his roughage and continued to feed the same amount of grain. On being advised to gradually reduce the grain ration and note results, he was able to cut his grain bill one half, without reducing his milk yield, and saved \$300 on his winter's feed bill."

IMPROVE FARMIDEALS

Mrs. L. S. Holroyd, at the Sedan Farmers Institute.

No country or nation that is progressive ever stands still but keeps constantly improving. This is true, too, of the up-to-date farmer. After he has acquired a sufficient number of acres to build for himself and family a home he turns his attention to improving and this should be steadily followed as there are new conveniences and comforts that can be added year by year as the farmer is able to afford them. One of the first things should be the planting of trees, both orchard and shade trees. I should advise this even before the erection of a permanent dwelling as it takes several years before we reap any benefit from trees. The farmer should have a comfortable house, a large yard and should look well to the beauty of his home. Improvements along this line would make our children better contented and mean a whole lot to the tired mother who spends much of her time there. The farm should have ample barn and shed room, good and attractive fences about corrals and fields and be equipped with the modern and im-proved up-to-date farm machinery. In this day when the cities are constantly advertising for our best and strongest young men we should look well to it to interest our boys that they be not drawn from the farm by the lure of the city. Perhaps there is no surer or better way to get our homes improved than to keep our boys and girls on the farm. The farmer and his family should be a corporation and each have a duty to perform and the children consulted about all matters pertaining to the home and its improvement. The home and its improvement. boys and girls are eager to grasp new ideas and you will find them contented and ambitious once aware of the fact that they are a part of the business end of the corporation.

Farming means hard work, strict economy and patience, but these are the essentials of any successful line of business.

Speak of your farming as your business; do not act as if you thought farming was something beneath you and you was just waiting till better things come alone. That's a poor way to look at it. There is an inspiration in hearing a man talk of his ideals. Ideals in farming? Why not? Why, in the name of common sense, should not the man on the farm lay out his work and hew steadily toward it just the same as the carpenter should in building a barn? The man who talks of his farming this way is bound for the top—nothing less than the very best will do for him. Let the boy attend the farmers' institute, county fairs; encourage him to take part in the grain contest, or send him to the agricultural college for a year and he will gain many new ideas to help you improve the farm and will be greatly encouraged to take up the harder part of farm work.

There are many ways in which our social advantages can be improved and we should ever be alert to help in this, for perhaps from lack of social advantages more than any other cause do our young people desire to leave the farm. In many parts of the country the women have organized and maintained clubs which have proved a source of amusement, both instructive and helpful. They frequently have suppers and render a program to which the entire neighborhood is in-Such organizations should be encouraged. Literary societies, when conducted with a view to improvement as well as a means of social intercourse, are a benefit to a community, and the parents should help in these entertainments for often in the county we are too thinly populated to maintain a society of this kind without the aid of the older people.

Then, too, we should have Sunday school the year round. There is no excuse for not except carelessness on our part to make an effort to keep school progressive. But even with our limited social advantages I do not think we farmers' wives are in need of so much sympathy as some writers would have the world think. We have our families all to ourselves and when the long winter evenings come it is the mother's heaven on earth.

The evening chores are done, supper over and work all ended for the night. The father is comfortably seated near the reading table with his dailies and various papers lying at his elbow. He has read the news of the day and is now absorbed in his favorite agricultural paper; perhaps he is reading inquiries and answers by Prof. TenEyck or perhaps he is reading crop rotation by Prof. Crabtree, or it may be he is reading an article on fireless cookery for the farmer is ever on the alert to look for improvement especially when it is in a line that will eiminate so much splitting of hickory wood. The children have their books and are busy on their lessons for the morrow. All is peace and quiet in this happy country home. The mother busies herself with first helping one and then another and has no thought of care on her brow; no anxious feelings to know where her boy or girl is. She rests secure in the knowledge that all is well with her afmily. Many of the perplexing problems that beset a farmer's life are solved after the reading and study hour; the plans for the next day and the plans for the spring are often made. The father makes of his wife and children a confidant, asking and receiving their views on many subjects teaching them the fundamental principles of busi-

Contrast this evening at a country home with a city home, where the father is at his club, the mother at another one, the older children scattered out to the theater or out on an automobile ride and the younger children left to the care of a hired servant. I ask you to contrast these two homes and then give your sympathy to our poor tired out city sister, whose

life if one continual round of dinners, calls, clubs and lectures, who has no time for her own family but hastily kissing her babies goodbye in the morning, leaving them in the hands of the Lord and a careless nurse she starts on her round of social duties. Is it any wonder so many of our presidents and men of influence of today came from the country? It was because of their early training and of their healthy bodies and strong moral characters that they acquired in their quiet country homes, away from the vices and sins of the city, when they were boys that they attained their exalted positions in manhood.

While everything relative to the farm and farm life is being improved we must not forget our schools. There are no doubt many excellent schools in our country today and we b lieve our schools are in the front rank yet I have a feeling they could be improved. It is absolutely necessary for their future standing financially and socially, that the farmer's children be educated. I believe by the consolidation of our rural schools we would gain much in an educational way. A great many children get no more education than they receive from the common school and by the consolidation of a township a higher course of study would be adopted and the country child would have the same educational privileges as the city child and yet not be away from home. I would favor the practical teaching of agriculture and believe boys would soon begin to understand that farming is a science.

Now, in conclusion I would say that we not forget that the true object of life is spiritual and moral growth and the building of character is vastly more important than the building of a house. A sweet, clean, helpful lize is worth more than all the wealth of all the millionaries. We may not all have wealth but all of us may have fine noble characters if we so will it.

grow alfalfa, but it is being grown (400 acres on the Deming Rauch) and will soon be successfully grown by all who try, consistently and intelligently, to grow it. Alfalfa is the greatest soil renovator known. Its root system goes deeper than any other crop. The roots when they decay not only have a store of nitrogen which their hosts of bacteria have taken from the air, but also the much needed humus, and a passage way for moisture and air. An alfalfa field of 14 acres was plowed up late last spring and planted to corn. It was hardly in roasting ear when our dry weather in July begun and the chinch bugs came, but like the House on a Rock, it withstood them all and made a good crop (not husked yet but estimated at 50 to 60 bushels per acre). A field joining, but not on alfalfa land, was soon dried up and did not make nearly so good a crop. Another field near had been matured last winter. The corn on this withstood the drouth much better than the second field mentioned, but not nearly so well as the alfalfa field.

Another important question is the use of the manures produced on the farms. There is perhaps a greater waste in manures on the farms of Kansas than in any other way. The Department of Agriculture places the annual waste of manures in United States at \$750,000,000.00. There is doubtless as large, or larger, proportionate waste in Kansas than any other state. The farms must be so conducted that as much as possible of the soil fertility can be returned to the land. This means that much of the crops must be fed. Just now dairying offers the best solution. Dairy products are high and if only butter is sold, practically all the fertility can be returned to the soil. Clean butter has a fertilizing value of only about 25 cents per ton. The average value of fresh manures is put at \$2.25 per ton. Manures are easily wasted, and the only way to get full benefit of them is to apply them to the land as produced. A pile of manure left exposed over summer is not worth more than one-third of what it was in the spring. The crops should be so arranged that a field is always available for spreading the manures. Tile, clovers, alfalfa and stock rais-

ing are certainly the means by which the impoverishment of soil may be stayed. While we are told that phosphorus is the element of soil fertility which is ultimately to become exhausted, and is the most expensive to replenish, there is plenty for present needs. In many soils that are now "worn out" in this section a good, heavy manuring and a few crops of cow-peas or clover will doubtless bring surprising results. A few farmers are realizing this. Cow-peas and clover are being grown in rotation. Clover is being sown with the wheat, let grow until late fall and plowed under. It is necessary to change the crops from year to year to get results, and there is no good excuse for not doing it, as clover can be seeded almost any time I have not missed a catch in four years. Sown in the spring on well prepared land, we cut two crops of hay the first year, red clover, timothy and English blue-grass. Red clover, if given half a chance, will reseed itself and grow and get better from year to year. Five years ago last spring, a 60-acre field was seeded to Bromus and orchard grass. A small patch, one-fifth acre, perhaps, was reseeded later with a mixture in which there was a little red clover. first crop is cut for hay, and the sec-ond crop pastured with calves in the fall. This fall we cut a good seed cut a good seed crop of red clover from this field, all spread from the small patch. hay crop the first year was light, but has gradually become heavier as the red clover got spread, until this year it taxed our six-foot mowers to the limit to cut it. Red clover will grow in wheat fields from year to year if they are not played to the same not played to the they are not plowed too early before seed forms. Alsike clover and redtop are a splendid combination, and make excellent feed. Alfalfa is not yet appreciated, and because it requires a little more careful management is not grown 'extensively. Cow-peas are usually seeded after wheat and make excellent feed and add greatly to the crop following. However, they are grown largely for the feed and not especially for the benefit that they are to the soil. But if care is taken to return the manure made from feed-

Fertilizer for Eastern Kansas

J. G. Haney, Manager Deming Ranch, Oswego, Kan.

Note.—It is not my intention to try to treat this subject from a technical standpoint. I wish to respectfully refer every reader of these headlines to the most valuable article on fertility ever published in Kansas, by C. G. Hopkins of Illinois, in the Report of the State Board of Agriculture—Kansas, of course—for quarter ending Marcn 4, 1909. Secure it and study it.—J. G. H.

When a country as new as Kansas begins to buy commercial fertilizer it certainly is evident that improper methods have been followed in cropping the land. Fertilizer is being applied to the land, especially wheat, because the yields are not satisfactory. The soil originally yielded much more than now, and the fertilizer is used with a view to get a bigyield, and not to build up the soil permanently as it should. No particular study has been made to determine whether the soil is deficient in any particular element of fertility or not. Various fertilizers have been used, lime, plaster, bone, etc. The one producing the biggest yield as soon as applied is the popular variety.

While the soils of southeastern Kansas are undoubtedly as rich in the mineral elements of fertility as the central or western soils it is very evident that they will not continue productive profitably nearly as 'long. The reason for this is undoubtedly due to the difference in rainfall. While plant , growth is greatly increased by the rainfall, decomposi-tion is also very greatly increased. One of the greatest needs of the soil of this section is humus. The vegetable matter decomposes so rapidly, and in many instances an effort is made to rid the land of as much of it as possible so that the soil becomes lifeless-sticky and mean when wet, soon dries out after rain and generally unproductive. This applies to both upland and bottom land, though the overflows and wash puts such of the upland fertility on the bottom farms.

The past seven years have been unusually wet. Many farmers have become greatly discouraged. Renters in many cases have been hard to get, and command a large share of the crops. Land is relatively cheap and

is being bought up by men from the east. Much of the land is yet in possession of first settlers, or their heirs, who cleared off the timber or broke up the prairie, and began to grow corn and wheat. They made money growing grain and they have forgotten about rotations and hauling manure. The new comers, it is hoped, know the value of clover and barnyard manure in the rotation, and will be able to, in a measure, build up many farms.

How is it possible to restore the productivity of a farm that has been "skimmed?"

If the farm is level, has poor natural drainage, which is true of much of the land, the first thing to do is to drain it. I believe tile in the eastern one-third of Kansas will do more permanent good than any other improvement that can be put on the land. In the east all land is tiled now, while here in Kansas, where it is needed on many farms as badly as in any eastern state, it is very little used. On the Deming Ranch, Labette county. we have tiled over 600 acres in the past four years. This year an 84-acre field, tiled out three years ago, yielded more than twice as much wheat as a similar field not tiled, and the wheat from the tiled field sold for 17 cents per bushel more. Another 80, tiled, gave an increased yield of corn of 500 per cent. Tiling land makes it possible to increase rapidly th amoun the land becomes sweet and easily worked. It is drier during a wet time and holds moisture better during a drouth.

Tiling will cost from \$10 to \$20 per acre. We are now using a tile-ditching machine that is a success in every way. This machine requires only two men and a boy to operate, and will dig 1,000 to 1,500 feet of three to four and one-half foot deep ditch, to the desired grade, in one day. The work of laying and covering the tile is less than if the ditch were dug by hand. The perfection of these machines certainly puts tiling within the reach of every land owner who needs it. Land that is tiled can be further improved with much less risk from wet or dry seasons.

Clovers, grasses and alfalfa grow successfully. Many have failed to ing the cow-pea hay to the soil there

The failing fertility lost.

The failing fertility is demanding a change from grain farming to mixed farming or the purchase of high priced commercial fertilizers. Mixed farming, growing both grain and stock, proves in every country to be most profitable in the end. A study of the charts used by J. J. Hill in his article, "What We Must Do to Be Fed," in the October World's Work, shows that the wheat production sec-tions of the United States have moved hither and thither as the land was "skinned." In every case this "skinning" has been followed by mixed farming. Thirty years ago the southeast corner of Minnesota was exclusively a wheat growing section. No attention was given to anything else. Today it is one of the leading dairy sections. It took the dairy farmer to build up the soil, for he sells only "air and sunshine" butter. Every bushel of wheat and corn sold off the farm disposes of just that amount of fertility necessary to produce another bushel. There is just so much phosphorus in the soil and it will never have any more until it is put there at a considerable cost.

Every farm should adopt a systematic change of crops, and have clover one year out of four, at least. A field in corn now can be seeded to oats with clover and timothy next spring. Leave in clover one year and follow with corn two years, then oats and clover again, or wheat may be seeded in the corn instead of oats in the spring. Manure should be applied to the clover during the winter with a spreader or spread very carefully by hand. Divide the farm into four fields of about equal size and try the above changing of crops, the benefit

will be surprising.

The value and handling of manure has already been spoken of. The average value is \$2.25 a ton from a fertilizer basis, but in many cases it may have a greater value. The applying of it to the land as produced insures the best results. It should be applied to fields that will soon grow a crop of grass or corn. Wheat and oats may grow too rank and lodge. I believe that 16 to 20 loads put on two acres will give better resuts than if put on one acre. Spread eight to 10 loads per acre and you will be able to get over the farm more rapidly and you will get better results. A little at a time and often is better than lots and not so frequent.

If you have an undesirable neighbor and wish to get rid of him encourage him to grow only grain crops, sorghum, millet and Kafir corn. Buy these crops of him and feed them on your own farm. Also ask him to let you haul his manure for him, and he

will not last long.

Another fertility problem is soil cultivation. In this section we have very little hard freezing weather. The soil seldom freezes more than a few inches. Freezing is one of the geatest agencies known for rendering available plant food. Fall plowing is acknowledged to be very desirable, yet few farmers succeed in getting their plowing done before spring. The quality of plowing is also very poor, much of it only a few inches deep. Deep fall plowing, leaving the soil rough so as to be acted upon by the frost during winter, should be the practice of every farmer in this section. It is not necessary, and not advisable to plow deep for wheat, as the deep soil does not contain the readily available plant food. Deep plowing should be done in the fall. It is not necessary to plow deep every year. If a systematic change of crops is practiced, it could be done once in four years. Occasionally try to plow deep and bring up some fresh soil.

Not only can the plowing be criticized in this section, but all the cultivation. Many fields of corn are weedy, cockle burrs come up after the wheat, until it is necessary to mow them if the plowing is not done early. There is complaint of wire worms, cut worms, bill bugs, etc. By following a systematic change of crops many of these things can be avoided. They bear the same relation to the soil as lice on stock. You never hear of strong, healthy, well-fed ani-mals being bothered. Neither will well-fed land be bothered by weeds, bugs and worms. Henry Wallace says weeds, bugs, worms, etc., are God's way of telling farmers that they must change their crops, or He will change

Readers Market Place

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

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Brush Runabout Company.

The manufacturers of the Brush runabout do not claim that the car can be used to pull a plow, although the photograph reproduced on this page shows it being used for that purpose. There were two for the brush pulling this particular plow. One was to show that it has the power, and the other was because the plow as breaking the first ground for the new Brush factory, and Mr. Briscoe could think of no more appropriate way of doing this than by using the little Brush Runabout which is famous for having climbed Pike's Feak under its own power. The new factory will be ready for occupancy the middle of January, and when fully equipped it will be one of the most complete of its kind in the world. The makers of the Brush are preparing for a heavy demand the next three years and expect that a large percentage of their output will be purchased by farmers, as they claim it is the first automobile made which sells almost as low as the price of a good horse and buggy, and, at the same time, will prove a much more useful part of any farm equipment.

8



Operating the Babcock Test.

I have a four-bottle Babcock milk tester, but have lost the directions for operating it. I would like to have you print the directions as I know of a number who would like to have this date.

'A known quantity of milk (17.6 cubic centimeters, or about % of an ounce) is pipetted off into a graduated test-bottle; 17.5 cc. of commercial sulfuric acid, of a specific gravity of 1.83, is then measured out by means of a graduated cylinder or an automatic pipette, and added to the milk. The two fluids are mixed, and when the curd is dissolved, the test-bottles are placed in a centrifugal machine and whirled for four minutes at a rate of 800-1,200 revolutions per minute, the small hand-machines on the market requiring the higher number of revolutions. Boiling hot water is then filled into the bottles, by which means the liquid fat is brought into the narrow graduated neck of the bottles; after an additional whirling of the bottles for a minute, the length of the column of fat is read off in per cent."

Made Good Gains from Silage.

I am often asked as to the gains made by feeding silage.

Two years ago we had some calves from the Pan Handle, Texas, some native yearlings, also some native twos, reports Fred G. Miner in Farmers Review.

The calves and yearlings ran in the same lot together and were fed clover hay and silage. The clover hay was weighed to the calves and yearlings and they consumed about three pounds per head per day. We gave them all the silage and hay they would eat. The silage was not weighed, so we do not know how much was consumed, but I should judge about 15 pounds per day per head. We weighed them for the months of January and February. The calves made a gain of 15 pounds each per head per month, the yearlings 30 pounds per head per month for these two months. The calves were bought in October and sold in April and they nearly doubled in value in that time, and so did the yearlings.

The calves were turned on pasture, and their owner told me afterwards that he never had cattle do better on grass than did these. The yearlings were put on a full feed of corn and their owner told me that they did well and made good gains. When he reached Chicago with the yearlings he also had some twos that had never fatted along with them. The buyers rode into the drove, sorted out the yearlings and paid him 50c per hundred more than he did for the twos. This was a surprise to my friend, also to his friends, for when he left home he was told that the twos would outsell the yearlings.

The twos we fed made us a gain of 75 pounds per month during January and February. They were fed silage and corn fodder, also all the corn they would eat. These cattle sold well in Chicago. The good part about this venture aside from the gains was the splendid condition of the hair. They looked more like cattle in June when



Poland China sow and litter owned by Master Geo E. Derr, Blue Hill, Neb., whose father reads the Kansus Farmer and has started the boy right.

I sold them in April. And why should they not? The silage in composition is more like blue grass than anything we have to feed. When feeding silage it is really feeding blue grass in the middle of the winter.

While our steers on a full feed of

While our steers on a full feed of corn made satisfactory gains, yet we were not so well satisfied with them as we were with the younger cattle. One difficulty we encountered was that our cattle were too much inclined to scour. Perhaps if something like oats had been added to the feed it might have been better.

In a few weeks we expect to commence feeding 30 heifers and cows, also 40 yearling steers. We shall weigh these cattle at intervals and hope to be able to give a good report a little later. We hope to be able to get the "cow stuff" on the market by the end of the winter and the steers next summer. We expect to make our best gains on silage. From our past experience we have found that the more gain that we can get from roughage and the less corn we have to feed the greater our profits.

THE THREE CHAMPIONS.

King Ellsworth, Symboleer and Benefactor.

King Ellsworth, the grand champion steer at the International Live Stock Exposition in 1909, was bred by Mitchell & Lantz of Danvers. Ill. He was sired by Fivy's Forester 78630 and out of Queen Etta Viola 42938, belonged to the great Queen Mother family of the Angus breed, a family from which many noted prize winning Angus cattle have descended. King Ellsworth was calved Sept. 6, 1906, and was first shown as a yearling at the International Exposition in 1909. At that time he was very smooth but hardly carried enougn fat for a prime bullock, but his general smoothness, his true lines, characteristic Angus head, his short legs, smooth shoul-ders, well sprung ribs made him a very attractive steer and when the ribbons were awarded he was in second place in a very strong class of 25 entries. He was defeated by the thick, blocky, richly covered steer, Eclipser, shown by the Minnesota Agricultural College.

King Ellsworth's first show this year was the Kansas State Fair at Hutchinson, where he was an easy winner in the two-year-old class. The following week he was again an easy winner in his class at the St. Joseph show, but was beaten for the grand championship of the show by the Shorthorn calf, Benefactor, also shown by the Kansas State Agricultural College. At the American Royal Live Stock Show at Kansas City in October he won in the two-year-old class, was champion among the pure breds of his breed, and was later made champion over all grades

and pure breds. His next show was the International and it is interesting to note that the fight for first place in the two-year-old pure bred Angus class again between Ellsworth and Eclipser, as it had been the previous year in the yearling class. Eclipser had been made grand champion steer at the South St. Paul show two weeks before. As the two steers stood in their stalls before the show they both had many friends for first place. Eclipser had grown a trifle heavy in the front end, was handling a little soft, and probably carried a little larger per cent of waste than did King Ellsworth, When they came into the show arena the firm handling, neatness smoothness of covering carried King Ellsworth to first place, and thus the steer that had defeated him the year before was out of his way and he was one step nearer the grand championship. A little later in the day he defeated the first prize pure bred yearling Angus steer, Symboleer, also owned by the Kansas State Agricul-

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tural College, for the championship of the breed.

His next fight, and perhaps his hardest fight to gain the top, was with the first prize grade two-yearold steer Doctor Gwinn. This steer was shown in prime condition and bloom, his coat of hair was as fine and silky as any bullock ever wore, his quarters and twist were well filled but he lacked a little in the firmness of flesh required in a prime bullock. His shoulders were not as smooth or as well covered as those of King Ellsworth, his side line were not as true, and he appeared a trifle heavy in the middle for the best type of a dressing steer, and here again the firm handling, smooth, even covering won for King Ellsworth the championship of the two-year-old class over all breeds. His next and list fight for the highly

His next and list fight for the highly coveted grand championship was again with a companion and stall mate for the past year, Symboleer, he having been made champion over all breeds in the yearling class had a right to contest for the grand championship. The English judge was but a few minutes in examining this class and soon his hand was placed on King Ellsworth as the grand champion steer of the Tenth International Exposition.

Symboleer, the reserve grand champion at the recent International Live Stock Exposition, was bred and raised on the college farm. His dam, Sunflower Lady Stewart 63771, bred by Parrish & Miller of Hudson, Kan, bought for the college when a yearling heifer. His sire, Prince Duchess 89636, was bred by Stanley Pierce of Creston, Ill., and was sired by the champion Prince Ito, a bull that Mr. Pierce paid \$9,100 for. Prince Duchess was bought by the college when he was a yearling and Symboleer was the first calf that he sired.

leer was the first calf that he sired.

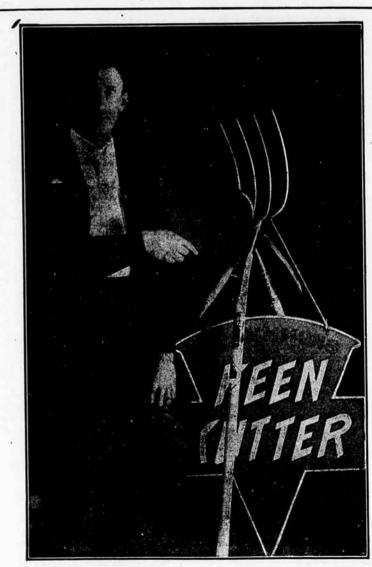
At birth Symboleer weighed 70 pounds. He was always a very strong, rugged, growthy calf. His mother was not a heavy milking cow so he was early given a nurse cow and was allowed to nurse until shortly after he was a year old. His first show was a Hutchinson in 1908 where he easily won first in the calf class and later was made champion steer.

At St. Joseph the same fall he was first in his class and a strong candi-

date for the championship but was defeated by a more mature yearling steer. At Kansas City, 1908, he won his class and was defeated for the breed championship by the two-year-old, pure bred Angus steer Ideal, also exhibited by the Kansas Agricultural College. At the International Show in 1908 he won first in the calf class and later was made champion calf over all breeds. At this show he weighed 1,060 pounds, which was considerable more weight than was carried by the average calf in this class.

He was shown at the same circuit of shows and fairs in 1909 as in 1908 and at each show won first in the yearling class, as he had done the previous year in the calf class. At the International he was made champion yearling over all breeds and later was made reserve grand champion to King Ellsworth. It is very sodom that a calf strong enough and for-ward enough to win a championship over all breeds goes back the next year in good enough form to again win championship honors in the yearling class. Symboleer is a steer that has no tendency whatever to roughness or coarseness, has a very strong back, puts on his flesh very smoothly and it is of the very best quality. His weight this year at the International was 1,520 pounds and many good judges who looked him and King Ellsworth over preferred him for the grand championship rather than King Ellsworth. He will be fed for another year's shows and unless some accident should happen to him, he will next year again try out for championship honors.

The Shorthorn calf, Benefactor, that has attracted so much attention during the fall shows by winning two breed championships and one grand championship, was bred by T. K. Tomson & Sons of Dover, Kan. He was sired by Barmpton Knight, the present herd bull at the Elderlawn farm. His dam was Emily 5th by Lord Mayor, a bull used for many years at the head of Mr. Babst's herd at Auburn, Kan., and bred by Senator Harris at Linwood. This calf was dropped Nov. 2, and at St. Joseph the last of September showed at a weight of \$20 pounds, and he was an easy winner in ms class as well as winning the championship in the Short-



The above cut is a picture of A. F. Neumeyer, of Smithton, Mo., where he is in the hardware business. Mr. Neumeyer who is a young man was reared on a farm; attended public school in winters, and attended to farm work during the summers. After taking a course in the state normal at Warrenburg, Mo., he taught school for several years. Thinking that business occupation would suit him better than a professional career, he deeded to take a business course. After finishing this course he entered his present business at which he

has been for four years. He takes great pride in selling Keen Kutter Goods, which gives better satisfaction than any other goods. All his line of goods is first grade, which will give satisfaction. Mr. Neumeyer will treat all his customers fair and square. His motto is same good for less money. Better goods for same money. The Kansas Farmer takes great pleasure in introducing Mr. Neumeyer to all our readers living at Smithton in Pettis county in this issue. When you have an opportunity call and get acquainted with Mr. Neumeyer.

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born breed and the following day under stock yard judges was awarded the silver cup offered by Swift & Company for the best steer of any breed or age in the show.

At the American Royal in October his weight was 900 pounds. Here he won first in his class, but was defeated for the championship by the two-year-old Peak steer. At Chicago he weighed 1,000 pounds, and won first in his class, was made champion of the breed, defeating the two-year-old Peak steer that had beaten him at the Royal, and under the English judge was made reserve champion calf over all breeds. He is one of the truest lined, thickest covered and smoothest calves that has ever been shown in the Shorthorn class. His covering over his back and ribs is almost as thick as the average yearling carries and he is as smooth as an Angus. He will be carried over for next year's shows and should make a very strong candidate for first honors in the yearling classes netx year.

The Use of Cars by Farmers.

A symposium is printed in The Automobile Bulletin for October, showing in several parts of the country the increasing favor of farmers toward cars. A farmer in South Dakota, who has spent all his life in farming and lives ten miles from a railroad station, says he owns a 20-horse power touring car with detachable tonneau, and during the first three months drove it 2,000 miles "without spending a cent on repairs." He now uses it exclusively for errands, for bringing supplies to the farm, and for pleasure. He takes care of it himself and after each trip looks at all the bearings and spark plugs. He finds the car eminently a good investment and believes the time will come when "every farmer will have at least one automobile of his own."

Another farmer, writing from Chio, who has in mind all that has been done for the farmer by the telephone, rural free delivery, and books, believes that there exists "no more allaround farmer educator than the motor car." He has owned his car only one year, but in that time has become convinced that no investment he ever made brought anything like the same amount of pleasure to himself and his family. He believes the car "will have a powerful influence in keeping boys and girls happy and contented with life on the farm."

From Missouri a farmer writes that the car is following exactly in the wake of the telephone, rural free delivery, and acetylene gas, in the comforts and conveniences it brings to farm life. It belongs also in a class with the windmill, the self-binder and other farm labor-saving devices. He says that, in his part of the country, farmers "are buying machines by the thousands." Many of the cars bought are built with special reference to conditions of farm life and rural reads.

From Massachusetts a farmer writes that "he bought, in 1906, five-horse power steam-runabout that had been built in 1901." He has not only used it on the road for pleasure as well as business, but has employed the engine to run a circular saw with which to saw his firewood.

From New Hampshire a farmer writes that when he bought his car he was told that it would take a fortune to maintain the upkeep. But in the two years, during which he has run his car hundreds of miles, the cost for tires and repairs has been less than ten dollars—less than would have been the cost of shoeing a horse for the same length of time. Moreover, a horse would have had to be fed 365 days in the year, while the car needed fuel only when it was in use. He employs his car to deliver butter to his customers, doing this in half the time a horse would take. He believes that manufacturers ought to produce a strong, simple machine erpecially for farmers.

A writer, familiar with farm conditions in Dakota, declares that the car actually costs less to keep than does a horse, does ten times as much of different classes of work, is always ready for service, and is much less troublesome to care for. A horse ordinarily can not travel in his whole life more than 50,000 miles, whereas an automobile may do that in two years. The writer knows of farms in Texas which, in spite of their great fertiliy, could not be sold at any price before the days of motor cars, but are

now in demand and have increased in value, even though they may be thirty or forty miles from a market which, with a car, is regarded as an easy distance. The cost of the upkeep in some cars has been reduced so far that a careful farmer can operate his car without spending for oil and gas much as it would cost to keep a horse. The writer agrees with others that repairs ought not to exceed the cost of shoeing a horse and repairing a harness. The average farmer has one distinct advantage over most owners who live in towns. He can only operate his own car, and he can care for it himself. The farmer is more or less familiar with farm machinery. He therefore is able to save a large part of the expenses involved in repairs such as usually fall to the lot of the unmechanical dweller in a town.

The Practice of Clipping Farm Horses

As a rule farm horses are soft in spring and when put at the heavy spring work they perspire a great deal more than would be the case if they were kept regularly at work during the winter months. As the hair is long, the moisture is held in it and dirt. This condition has led to the practice of clipping all farm horses in some communities before putting them at the heavy spring work and the general opinion of those who have to do with such horses both in working them and in the maintenance of their health seems to be in favor of the practice of clipping.

As everyone knows, horses as we are acquainted with them at the present time, live very differently from their natural state. The wild horse was free to roam about and had very little work to do except in getting enough to eat. The horse as we know him, is subjected to a great deal of hard labor and is fed and housed under conditions that nature evidently did not mean for him; consequently, every provision should be made to keep him under these unnatural conditions in as healthful a way as possible.

Experience goes to show that a soft horse with a long coat of hair if left to stand on a cold day after perspiring freely or if stabled without ample protection on chilly nights is apt to take cold and be subject to other ills resulting from these conditions. A long coat of wet hair does not dry out very quickly and also requires considerable body heat to accomplish it. The argument is put forth by those who clip that the horse with a short coat of hair, dries out very quickly and in that condition is much less liable to take cold than the unclipped horse with a coat of wet hair.

We also reason that a man would not care to stand about on a cold day or try to rest at night with a heavy suit of wet clothes on and that he would be much better off if he had on a light, dry suit—all of which seems to be very reasonable.

The horse of today is healthier and a better worker than the horse of a century ago but more is expected of him and he accomplishes more. If he is clipped in the early spring and a blanket is provided for protection whenever he is left to stand in the open on a day that is cold or at night when put into the stable, it would seem he is better off than the unclipped animal.

It is further argued that the clipped horse makes a great deal better appearance than the unclipped animal in the spring and there would seem to be no question but what that is true. It is also stated that the clipped horse is more easily cleaned and kept in good condition which appears to be reasonable too, for with a short coat of hair he accumulates much less dust and the excretions of the body thrown off through the pores of the skin have a much better chance to escape.

A long winter coat is an admirable protection for a horse when he is not at work but when man takes him in charge and subjects him to heavy spring work after the winter months of rest he surely ought to do everything to make life as healthful and comfortable for him as possible. It would seem to be the course of reason to give him a good clipping and authorities in general at the present time are about united in favor of this course. The practice is getting to be a very general one throughout the

1910 DAIRYING PROSPERITY



The one thing which has contributed most largely to dairying prosperity the world over for the past thirty years has been the DE LAVAL CREAM SEPARATOR, and favorable conditions afford more than usual opportunity for it to continue doing so during the new year of 1910.

The DE LAVAL was the first cream separator and has always led in every step of cream separator development and improvement. DE LAVAL Cream Separators are as much superior to other separators as such other separators are to setting and skimming systems. Creamerymen have long since come to use DE LAVAL separators exclusively, and year by year farm and dairy users are coming to appreciate the equal importance of separator differences in this smaller way.

There was never a better time to make the purchase of a DE LAVAL Cream Separator. The high price of dairy products helps it to save its cost twice as soon as would otherwise be the case. Hence it does this now within a few months over any setting system and within a year over any other separator in use.

DE LAVAL Cream Separators still possess many patent protected features not to be found in any other separator. They have been re-designed and re-built from top to bottom within the past two years and are thus far superior even to earlier DE LAVAL machines. They not only do better work in every way than imitating separators and are much more easily cleaned and handled but are so much better built that they last twice to ten times as long—while they cost no more than the poorest of other separators in proportion to actual separating capacity.

No man having milk to separate, whether he now has no separator or an inferior kind of one, can make a wiser or more profitable move than to start the new year 1910 with a DE LAVAL machine, and every day of delay means just so much loss in quantity and quality of product.

It is the duty of DE LAVAL agents to PROVE this to every possible purchaser and they are glad of the opportunity to do it. Catalog and any desired particulars may be had for the asking.

The De Laval Separator Co.

165-167 Broadway NEW YORK

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Drumm & Sacramento SAN FRANCISCO 1016 Western Ave. SEATTLE WANTED.

Good hatchable eggs in quantity; can use your entire output from pure ored 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 cir-

Eggs for hatching. Our egg contract circular and catalog free for the asking.

P. C. FISH POULTRY YARD & HATCHERY Now 1804 Main St.

After Jan. 1, 4334 Belleview.

Both Phenes.

Kansas City,

4 CYLINDER **TOURING** CAR \$500

Not Junk, Either, but in Good Running Condition and Guaranteed.

We have on hand at our salesroom five second hand cars which have been thoroughly overhauled in our own shops. New parts put where needed. And we guarantee every one to be in good condition. We want to move all of them

Before February 1st

And are putting prices on them that talk for themselves.

Ford \$500

Ford 1906 model, 30 horsepower, 4 cylinder, 5-passenger, with top. Newly overhauled at factory and repainted. It's worth almost double what we ask.

Marmon \$600

Marmon, 35 horse power, 5 passonger, 4 cylinder, new engine. Top, wind shield, etc. Claimed to be the easiest riding car in the world—\$600.

Rambler \$750

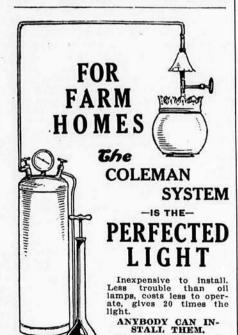
Rambler, 1907 model, 5-passenger, 40 horse power, 4-cylinder, with top. Just repainted. Cost \$3,000 and looks like new. Very powerful, \$750.

White Steamer \$1,000 White Steamer, 30 horse power.

Pullman type body, new engine, new generator, repainted. Cost \$3,000 last year and a bargain at half that.

Our price \$1,000. These are not trading prices, but cash figures, which will get the machines. Many people are looking for big value for little money, and we have it here. Write quick, then you can take your pick.

Wichita Automobile Co.



and give size of your house, it will surprise you to find how little it costs to have a brilliantly lighted home.

MADE BY THE HYDRO CARBON CO., Wichita,

Farmers' Week in Topeka.

The one annual event of most importance in several ways, to the people of Topeka and of the state is "Farmers' Week in Topeka." During this brief period the farmers and breeders of the state assemble at their capital city to mingle with her citizens and to discuss those matters which pertain to their business and which are of vital interest to all.

The business of these men is of direct personal interest to every citizen for it is the foundation of all prosperity. Its results are that created wealth which has placed Kansas in the front rank among her sisters and made of this state the richest agricultural region in the Union.

Twenty-First Annual Meeting of the Kansas Improved Stock Breeders' Association.

Monday, Jan. 10, 1910. Executive Session, 1:00 p. m. at

Representative hall. Business meeting of the officers

and directors; appointment of committees; reception of new members. AFTERNOON SESSION, 2:30 P. M. The topics following will be taken

up and considered as nearly as possible in the order given. All papers and addresses will be subject to dis-cussion and members are urged to prepare for the same, and are cordially invited to participate.

President's annual address, E.. W. Melville, Eudora; annual report of secretary-treasurer, I. D. Graham; "Why I Breed Standard-Bred Horses," M. A. Smith Cawker City; address, Theo. W. Morse, Kansas City.

EVENING SESSION, 7:30 P. M.
Address of Welcome, Gov. W. R.
Stubbs; response, Senator H. W.
Avery, Wakefield; "Farm Dairying,"
T. A. Borman, Topeka.
Tuesday, Jan. 11, 1910.

MORNING SESSION. 9:30 A. M.

"Alfalfa Meal as the Ideal Feed," J. T. Axtell, Newton; "How Best to Care for the Brood Sow" Dr. F. G. King, Manhattan; "Types Needed by Packers," W. H. Weeks, Kansas City.

ers," W. H. Weeks, Kansas City.

AFTERNOON SESSION, 1:30 P. M.

"The New Stallion Law," H. W.

Avery, Wakefield; "A Successful Fair

Without a Race," C. L. Carter, Cabool, Mo.; "The Breeder and Banker,"

J. H. Carnahan, Clay Center; "Hog

Cholera Serum," Dr. F. S. Schoenleber Manhattan ber, Manhattan.

EVENING SESSION, 7:30 P. M.
"Feeding Problems," President H.
J. Waters, Manhattan; "Poisonous
Plants," Prof. L. E. Sayre, Lawrence;
"Shorthorns in Kansas," H. M. Hill,

Wednesday, Jan. 12, 1910.

MORNING SESSION, 9:30 A. M. "Success with the Holstein-Friesian," H. N. Holdeman, Meade; "The Hereford as a Money-Maker for the Farmer," Robt. H. Hazlett, Eldorado; "Opportunities for Breeders of Dairy Cattle," Dr. D. M. Campbell, Topeka.

AFTERNOON SESSION, 1:30 P. M. Reports of committees; unfinished business; election of officers; ad-

BREEDERS' BANQUET.

A complimentary banquet and smoker will be given the members and invited guests on Wednesday evening at the Commercial club. Tickets may be had of the secretary.

Thirty-Ninth Annual Meeting of the Kansas State Board of Agriculture.

Secretary F. D. Coburn of the Kansas State Board of Agriculture announces the following good things for the thirty-ninth annual meeting which will be held in Representative hall, Topeka, Jan. 12-14:

PROGRAM.

Wednesday, Jan. 12, 1910.

AFTERNOON SESSION.—Opening at 4 o'clock.

Roll-call; appointment of committees; reading of minutes of preceding meeting; report of committee on credentials.

The topics following will be taken up and considered, as near as may be, in the order given. Papers will be subject to pertinent discussion, and delegates are urged to prepare for these discussions. Others present, either gentlemen or ladies, of whom there are likely to be a large number,

will also, as always, have the privilege of participating in the discussions, and are cordially invited to do

EVENING SESSION, 7:30 P. M. Address of welcome, Gov. W. R. Stubbs; address of welcome on behalf of the city, Mayor Wm. Green; response, Pres. Chas. E. Sutton; "How an Animal Grows, and What Affects its Form," Pres. H. J. Waters, Kansas State Agricultural College, Manhattan.

Thursday, Jan. 13.

MORNING SESSION, 9:30 A. M. "Banking and its Relation to Our Agricultural Interests," John R. Mulvane, Pres. The Bank of Topeka, Topeka; "How We Organized and Conduct Our Farmers' Club." J. P. Bolton, Burlingame.

AFTERNOON SESSION, 1:30 P. M. "A Jayhawker's Journey, J. C. Moh-ler, assistant secretary State Board of

"The Railroads and the Public,"
John S. Dawson, attorney for the
State Board of Railroad Commissioners, Topeka.

EVENING SESSION, 7:30 P. M. "Value of the Scientific Work of the University to the State," Prof. Robert Kennedy Duncan, University of Kansas, Lawrence; "Woman in the Industrial World," Mrs. Reba S. Free-

Industrial World," Mrs. Reba S. Free-man, Kansas City.

Friday, Jan. 14.

MORNING SESSION, 9:30 A. M.

"The Mule as a Profitable Farm Animal," L. M. Monsees, Smithton, Mo.; "Forestry for the Common Planter in the Southwest," J. W. Riggs, Waterloo.

AFTERNOON SESSION, 1:30 P. M. Election of officers and members. "Some work of the National Department of Agriculture in Crop Production as Affecting the Middle West, W. J. Spillman, U. S. Department of Agriculture, Washington, D. C. Query box; meeting and installation of new board in the secretary's office.

EVENING SESSION, 7:30 P. M.
"A Better Crop of Boys and Girls,"
Prof. W. A. McKeever; "The Business of Home-making, and its Compensations, Mrs. L. D. Whittemore, Topeka; adjournment.

RAILROADS.

Passengers can buy tickets from all stations in Kansas, and Kansas City and St. Joseph, Mo., to and from To-peka, at the rate of 2 cents per mile, and this makes it possible for those in even the most moderate circumstances to take advantage and have the benefit of these important meet-

HOTELS.

Rates at Topeka hotels and boarding-houses will, as usual, be reasonable, and abundant accommodations can be readily secured suited to the tastes and purses of all classes. The Board of Agriculture does not maintain a hotel headquarters, as is sometimes done by such organization. Visitors, including speakers and delegates, are at entire liberty, and are requested to comfortably dispose of themselves upon arrival in such way and at such places as they see fit.

Speakers will please notify the secretary as soon as they reach Topeka.

Breaking Sod.

Can you tell me if it will be all right to break sod now? Some tell me that it will ruin the ground at any time when the grass is not green. Nellie Burgan, Bucklin, Kan.

Perhaps the best time to break sod, specially raw prairie, is quite late in the spring or early in the summer. Breaking at that time kills the grass and the usual plan of allowing the sod to lie fallow during the summer allows the decay of the grass roots. when by pulverizing or back-setting the new land is put into good seed bed condition for the planting of winter wheat or other fall grain. Hence good results usually follow this method of breaking and cropping prairie land.

In the judgment of the writer the good results come as much or more from the fact that the land lies fallow for an interval before the crop is planted, which allows for the de ay of the sod and the improvement of the physical condition of the soil, and the preparation of available plant food for the use of the first sod crop. When sod is broken and the crop planted

almost immediately, whether the breaking takes place in the spring or fall the resulting crop is not apt to be a great success, and often the soil appears to be injured for the growing of succeeding crops.

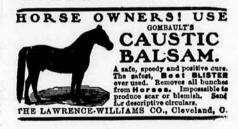
If your plan is to plant crops next spring on this new land I would pre fer fall or winter breaking to spring breaking just previous to planting the crop. We have carried on no experiments in winter breaking but have undertaken experiments in fall breaking and early spring breaking, and the results have been favorable to the fall breaking when spring crops were planted. There is a general report among farmers, as you have stated, that the winter breaking or winter plowing of land injures the soil, but I have not been able to prove this report, and 'n fact I have no authentic data to show that the injurious results claimed for winter breaking or winter plowing actually occur. The effect of growing a crop on raw land immediately after breaking often effects the soil injuriously, and the bad results are sometimes observed for several seasons after breaking, and tais is a fact which I have demonstrated by actual experiment. But the fact that the sod was given no interval to decay and get into good condition for cropping before the planting of the first crop. I have seen such new land, after the growing of a crop of flax planted immediately after breaking, back-set in the fall, when the sod turned over in dry undecayed chunks and in bad physical condition, and such land produced poor crops for two or three seasons as compared with adjacent land which lay fallow during the first summer after the spring breaking.

While I do not recommend fall or winter breaking as preferable to spring or early summer breaking, yet, if the soil is in good plowing condition, not too wet, and the farmer has more time to do the wor' in the fall or winter, the breaking may be done at that time without injuring the land or seriously interfering with future cropping con-ditions. If a spring crop is to be planted it will be advisable to break rather deeper than is the usual practice and not to re-plow, but to prepare the seed-bed by disking and harrowing in the spring.

If you try this winter breaking I shall be pleased to have you report results.

The Fuller and Johnson Implements.

The Fuller & Johnson Manufacturing Co., Madison, Wis., are the makers of one of the most complete lines of agricultural machinery in the United States. This line includes the Eclipse sulky and gang plows, breaker attachments, eveners for 3, 4 and 5 horses, steel lever harrows and harrow carts, disc harrows, corn planters, transplanters, potato planters, tobacco hoes, cultivators, garden hoes, metal wheels gasciline engines and power pumps. The products of their factory are all high class and specially adapted to their several uses Their gasciline engines are especially good. All of these farm machines are described and illustrated in their new catalog for 1910 which is now ready for distribution and which may may be had free by addressing Fuller & Johnson Manufacturing Co., 543 North Ave., Madison, Wis., where they have been doing business since 1840. The catalog is free for the asking and now is a good time of year to study catalogs. The Fuller and Johnson Implements.







Breeding of Cereals at Kansas Station.

I would greatly appreciate receiving a concise statement of the work which is being done at your institution in the breeding of cereals, especially along the following lines:

1. The main objects in view. The outline of what is being done

The method of operation. 3. The most important results which have already been obtained.

The name of the person directly

in charge of this work.

I know that I am askinig a good deal, but I assure you that I would be very grateful for an early reply. —C. A. Zavitz, Ontario Agricultural College, Guelph, Ontario, Can.

The main object of the breeding and crop improvement work which has been carried on by the agronomy department of this Experiment Station has been to produce strains of varieties which are greater producers, better in quality and feeding value and of purer type than the original stock, the principal object being to increase these improved stocks as rapidly as possible and discribute the seed among the farmers of the State for general planting. In carrying out this plan several thousand bushels of improved seed wheat and pure bred seed corn and other grains of standard varieties have been distributed among the farmers of Kansas.

This department is breeding several varieties of corn, Kafir corn and sorghum by the "ear row" method: also breeding wheat and other small grains by the "head row" method. No artificial crossing has been attempted, the purpose being simply to discover the great individual in the best producing varieties and make the product of this individual the foundation stock for improved strains or varieties. None of the seed of the wheat and small grains thus far distributed has come from single heads but much of the seed corn distributed in the last two years is the product of a few great producing individual ears and the same is true also of the Red Kafir and Black Hulled White Kafir corn; also of several varieties of cane, the seed of which is now being distributed.

The method of operation has been suggested in answering questions 1 The original selections of heads or ears are made in the lield. The selections for further breeding are made both from the best producing ear rows or head rows; also new selections are being continually made from the field each year and with corn our plan for the last two years has been to go to other breeders and other sources, obtaining the best ears of the different varieties which we are breeding which it is possible to secure from other breeders. Following this plan we have for the past two years bought some of the prize winning samples at the National Corn Expositions, state corn shows, etc., using the best of these ears in planting in what we call our primary ear test plot. After trying out the ears in this way the best ears from the best producing rows are planted in our ear test plots to produce the seed for distribution. practice planting the original thirds of the best producing ears, also the best ears from the best producing rows.

I cannot answer question 4 at this time without going into detail and without much preparation in comparing yields of crops etc. Have nothinig prepared along this line except what may be found in bulletin No. 147 on copy of which you doubtless Do not have the small grain have. breeding work in shape to present. In fact, have only produced the third crop from any of the original head row selections and these have not been compared with the original seed. The samples have been planted this fall in one-tenth acre plots.

At present I am in direct charge of all the crop breeding work of the agronomy department of this college and Experiment Station.

The wheat breeding work of this Station as regards the origin of new varieties, etc., is in the care of the Botanical Department of this Station. I have referred your letter to Prof. H. F. Roberts of that Department for further answer.

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for the purpose. Your market will
improve faster than your farmers
will produce the supplies. Wheat
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Y-

70,000 Americans 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.

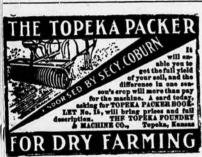
Cattle raising, dairying, mixed farming and grain growing in the provinces of Manitoba, Saskatchewan and Alberta.

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E FARM



Why Meat Prices are High.

Kansas has always been a cattle state and it is a matter of wonder to some people that the reports of the State Board of Agriculture show a lower cattle census now than 20 years ago. They do not stop to think that the ranges which were once covered with cattle and which produced almost nothing else are now all fenced up into farms where the numbers of cattle must be smaller and the puality higher. It is a matter of greater surprise and to more people that meat should be so high in a meatproducing state. This condition ap. plies to the country at large, however, and Secretary Wilson of the United States Department of Agriculture has undertaken to answer it.
From his reports and other sources

we learn that advancing prices and increasing crops have united to make this a banner year in the value of the farm yield. He states that the value of the corn crop for 1909 is \$1,720,-000,000, and corn is king. Cotton comes next with a value of \$850,000,-000 and then follow wheat at \$725, 000,000, hay at \$665,000,000, oats at \$400,000,000, and other crops of lesser value, but all aggregating the inconceivable total of \$8,760,000,000.

Now this vast sum of wealth has been created. It has been dug out of the earth. It is new wealth added to the resources of the country by the farmers in one year. If the farmers are adding so enormously to the wealth of the country, the question as to what becomes of this money and whether the farmer gets his share of it is an interesting one. Secretary Wilson undertakes to explain this in the following quotation from his re-

"For the 50 cities the total retail cost charged to customers above the wholesale cost paid by the retailers is 38 per cent. In 5 cities the rate of increase is 20 per cent and under; in 10 cities, 21 to 30 per cent; in 12 cities, 31 to 40 per cent; in 12 cities, 41 to 50 per cent, and in 11 cities, over 50 per cent.

"The average retal price exceeded the average wholesale price by 31.4 per cent in the North Atlantic States, by 38 per cent in the South Atlantic, by 38 per cent in the North Central, 39.4 per cent in the Western, and the highest increase was found in the South Central States, 54 per cent.
"A gros profit of 20 per cent was

found in New York City and in Philadelphia, 28 per cent in Buffalo, 36 per cent in Boston, 17 per cent in Baltimore, 42 per cent in Washington, 46 per cent in Chicago, 25 per cent in Cincinnati, 23 per cent in Minne-apolis and St. Paul, 40 per cent in

Milwaukee and Detroit, 39 per cent in St. Louis, 64 per cent in Mobile, 39 per cent in San Francisco, 24 per cent in Seattle, and 37 per cent in Denver.

"The lower the grade of beef the greater the percentage of gross pront. In Boston, for illustration, the rate of gross profits is nearly twice as great for beef costing 8 cents at wholesale as for beef costing 11 and 11½ cents. Low priced beef is marked up nearly twice as much relatively as high priced beef. In other words, perhaps it is a safe inference that the poor people pay nearly twice as much profit as the well-to-do peope pay."

The retailers are not blamed, however, as their delivery service is costly and "the retail business is overdone." The next question is whether the farmer has shared in the advancing prices. We read on this point:

"The farmer has failed to receive a share of higher beef prices with regard to the raw animal. The price-level of two-year-old steers at the farm being regarded as 100 for 1896-1900, the price of such steers rose to 135.9 in 1900, declined to 85.5 in 1905, and rose to 100.8 in 1909, all for the date of January 1 and for prices at the farm, substantially before corn feeding had begun.

"The price of corn in 1909 at the farm is represented by 218.6 compared with 100 for the price-level of 1896-1900, and the price of the best native steers at the Chicago stock yards in the same year is 139.9, which is much above the 'index number' for the price of the animal at the farm and much below the price of corn at the farm. The inference is that the farmer gets some return for the highpriced corn that he feeds to his steers, but not a return equal to 60 cents a bushel for his corn, which is the price for the last two years. As for the unfed steer it does not participate in the upward movement of prices in its farm value.

"The wholesale prices of fresh beef carcasses have increased in about the same degree that the prices of steers have at the stock yards, and the re-tail prices of fresh beef have kept pace with the wholesale prices.

"The increasing prices of fresh beef, therefore, are due to increasing prices of animals at the stock yards, and this is explained by the abnormal circumstances to which the raising of beef animals has been subject in recent years.

"There has been a breaking up of range herds consequent upon the enforcement of the 'no-fence' law by the National Government and by encroachments or the settlers upon the ranges, made possible by the pactice of 'dry farming.' Not all of the cattle have gone directly from the ranges to

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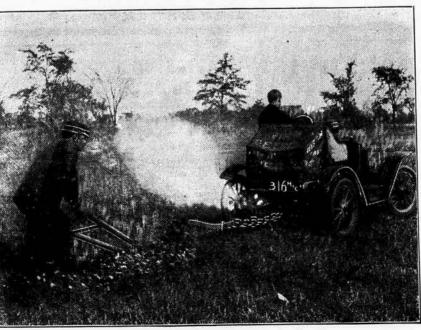


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The Brush Runabout that climbed Pikes Peak being used to pull a plow in break-the ground for the new Brush factory in Detroit, Mich. The new factory was necessary by the growing popularity of this little car.

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Notice of Final Settlement.
State of Kansas, Shawnee County, 88:
the Probate Court in and for said County.
In the matter of the estate of William F.

In the matter of the estate of the Ruggles.
Creditors and all other persons interested in the aforesaid estate are hereby notified that I shall apply to the Probate Court in and for said County, sitting at the Court House in the City of Topeka, Shawnee County, Kansas, on the 7th day of February, A. D. 1910, for a full and final settlement of said estate.
Dated Dec. 11th, A. D. 1909.
F. M. KIMBALL, Administrator,

Administrator.

the slaughter houses; a great portion of them has gone to farms for maturing and finishing, largely upon corn. This extra demand on the corn crop is reflected in corn prices, which are now higher than they have been since the records of the Department of Agriculture began, in 1866, except for 1881.

"Half a dozen years of this abnormal movement of beef cattle from ranges to the great markets began to teil upon the supply in 1908, when the deliveries fell off in a marked degree, and the decrease continued in 1909.

"The situation with regard to hogs is more fair to the farmer than the cattle situation is, but still it is apparent that during the last three years the price of corn has been too high for the price of hogs. The relative price of hogs on the farm January 1, 1909, was 147.3, as compared with 100 for the mean price of 1896-1900, and the average cost of all hogs slaughtered at principal markets in the year before was 148.1, or about the same as the farm price. The price of dressed hogs of 160 pounds, in New York in 1908, stands at 145.7, and the carcasses of market pigs at Chicago at 148.4 which is approximately the number representing the relative retail price of fresh pork.

"In the case of hogs, therefore, the farmer has fully participated in the rising prices, whereas in the case of the farmer's cattle the unfed animals are barely as valuable as they were nine to fourteen years ago, and had not the price of corn ascended to a high figure, perhaps he would not have shared in the higher beef prices."

Another explanation of the high price of meat is given in the following editorial in the New York world: "The statement submitted by Ar-

mour & Company in connection with the listing of a bond issue of \$30,000,000 on the Stock Exchange shows the packing industry to be even more profitable than had popularly been supposed. The company by its own showing made a gross profit of \$10,582,000 for the year on a capital stock of \$20,000,000 and earned a surplus of \$7,127,926, or the equivalent of a dividend of 35.6 per cent.

"Here is something more than the potentiality of wealth beyond the dreams of avarice. It is avarice itself in the manufacture and sale of a necessity of life. Armour & Company by their own admission have justified the charges of extortion brought against the beef trust.

"In the light of this enormous profit the explanation of the high price of meat recently made by the chairman of the packers' committee requires modification. That explanation was in effect that the packer, being obliged to pay a higher price for live stock, passed on the additional cost to the dealer, who in turn shifted it to the consumer. This, however, is not the whole story of the rise of mess beef from \$8.85 a barrel in 1906 to \$13.20 in 1908. For its full understanding there must be taken into account the millions in surplus profits reserved by the packers to convince Wall Street of the safe and lucrative nature of their business.

"It is the necessity the consumer is under of payment of 35 per cent profit and guaranteeing bond issues that makes meat dear."

表現又表

The Lighting of Country Homes. In this advanced age what is prob-

ably the most needed improvement in the farm home has had the least attention. The farmer has been buying gasoline engines, to lessen his labor in preparing his grain, pumping water, running cream separators, and for other useful purposes on the farm. He has bought all kinds or modern machinery and farm implements as fast as new ones come out, provided they promise to grow more grain, save more grain, or lessen the cost of cultivation or harvesting. He has bought automobiles to secure more rapid transportation to and from the market as well as for pleas-He has bought improved breeds of live stock, has invested in heavier draft horses, has secured improved strains of seeds, has connected with the telephone line to keep in close touch with the markets and the neighbors, but he has not bought good lights for his home.

The average farmer hardly realizes what vast improvements have been made in solving the lighting problem until he begins to investigate. He inquires whether such lights are safe and whether he should invest in one, but after learning the facts and testing the new style of lighting he will not be cont nt to get along without it. There is no other improvement in home life that is so important to the health and comfort of the farmer and his family as is a good light. As he is generally beyond the reach of the electric light, he must turn to something else.

There are many kinds of lighting plants on the market, but there is no puestion that acetylene has proved so far superior to any other that is available to him that acetylene plants are above comparison for his use. For an ordinary seven or eight room house one can have light in every room, on the porches, in the basement and in the barn if desirable with an average cost of only from 75 cents to \$1.50 per month and this will give him an abundance of light of the purest quality that is easy to work by, to read by or to sew by.

Few people know that acetylene is the only light in the world that is almost exactly like sunlight; that it contains the same chemical properties and is the purest light known. It is the only light under which colors do not appear to change, and one can match colors with its aid at night as well as he could in the day time.

This light question is a serious one and will bear full consideration at this time. The home with a good light is the one in which spectacles are not needed for long years.

Congressman Anthony has been urging upon Congress the desirability of constructing a good road from Fort Leavenworth to Fort Riley for two years past. We do not know that the military service of the Country demands such a road but the people do and, if such a road were built, it would be invaluable as an object lesson and of very great value to Northeastern Kansas. If this road were built it would undoubtedly become the nucleus about which a great system of state roads would be constructed. Mr. Anthony has worked on this proposition for about 2 years and results seem to be in sight.



Collossus, by Expansion, the famous Poland China boar now at the head of H. C. Dawson & Sons, herd at Endicott, Neb. Sale at Topeka, State Fair grounds, Jan. 13, 1910.

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The best of the breed will be sold at

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This offering is positively the best bred lot of high class prize winning blood to be sold this year. No. 1—American Beauty by Corrector 2d, dam Beauty Perfection. No. 2 is Colonial Girl, a litter sister to No. 1 and bred to Decatur for March 1 litter. No. 3 is Klever's Best by Darkness Perfection, the first prize sow at Missouri State Fair 1907, in 2-year-old class, bred to Decatur for March 1 litter. This is a tried brood sow. No. 4, by Corrector 2d and out of Cute Keep Cn, safe in pig to Parnell. No. 5, Classmate by Decatur, out of Cute Keep On, bred to Parnell. No. 6, Black Princess by Decatur, dam Princess Gaftey, bred to Masticator 2d. No. 7, Glayds by Corrector 2d, champion sow Kentucky State Fair 1909, bred to Decatur. In this offering there will be 18 sows and gilts sired by Corrector 2nd.

12 gilts by Decatur and other up-to-date breeding. Send your name in early for catalog and arrange to attend my sale. If you can not attend send bids to O. W. Devine, representing the Kansas Farmer, in my care and they will be honestly handled.

H. B. VANHOOSER
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CLASS POLAND CHINAS

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21 tried sows sired by such boars as Mischief Maker, Impudence, Chief On & On, Meddler Correct, Meddler 2d, Meddlesome, On & On Chief, Perfection Jr., Perfection E. L., Boom De Aye, Corrector 2d, Pruitt's Perfection, Mischief Maker 2d, Success and High Ball.

35 gilts sired by Modern Monarch, High Ball, Grand March 2d and Spangler's Hadley.

20 of these will be bred to "Bijinks," by Hadley. Bijinks is a big March pig with lots of quality and large bone.

9 spring boars sired by Modern Monarch and "On the Plumb."
This is a large offering but so much the better for the buyers for there will be more bargains. For information about this offering of big, smooth Poland Chinas, write us for catalog, mentioning Kansas Farmer, and arrange to attend this sale. If you can not come send bids to O. W. Devine, representing Kansas Farmer. Address

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Auctioneer, John D. Snyder, Winfield, Kan.

ented any it, myself, trees that by blight, treatment

eting pears rts of the raised. In more genowers ship in barrels. askets. In by pick and boxes wrapnade boxes. ots to New aps to Lonkets herealissouri cit-stocked unto Topeka they are they did our old lanted along tletts, Seckone, so we hem to supe until new not many of nd Duchess, st commernow coming te and Mishan twenty real worth. use it, beow to ripen table condi-

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when spring or ten days which case, accordance a little earthe time of

kings of the bs exposed Were ear orchard t more Kieher variety. top for exlefer is my every year ing planted ees are dyissouri and plant the heldon, and 1e Duchess varf on the mer should ar trees of ry commer-: least have should also f new orchs, etc., and ers encourproduction.

POULTRY

Are your hens laying? If not, why

· If they are laying these cold days, you are fortunate, for the probabilities are that you can keep them laying all winter.

If they are not laying, try and find what is the difficulty. The chances are that the house is too cold for the hen's comfort.

Sometimes hens will lay in a house that is cold enough to freeze the drinking water, but will not lay where it is so cold as to freeze their combs.

A poultry house need not be artificially heated to be warm enough for the hens to be comfortable and lay eggs, but it should be built very tight and snug, so as to exclude all drafts of cola air.

In such a house if the hens are fed a warm mash in the morning, just enough to warm them up, then given small grains in plenty of scratching material they will manage to keep themselves warm during the day and be in good condition for laying.

On very cold days it is a good plan to have the drinking water warm so as to keep it from freezing so soon as it would if cold. But ordinary cool water will do provided you give it to the fowls several times a day. They must have plenty of pure water or they cannot manufacture eggs.

Hens that are not laying these days can be coaxed sometimes by feeding them a small amount of cut bone or fresh meat in some torm. Plucks secured from the butchers make a good meat ration.

Of course, some kind of green food is necessary for laying hens, now that the ground is covered with snow with no green blade in sight. Cabbage, turnips, beets or small potatoes are all good; so is scalded alfalfa

During very cold weather it is absolutely necessary that the eggs be gathered several times a day; for if they are left in the nests they are apt to be grozen. The evil habit of egg-eating is very often formed by hens getting their fruit tates of eggs from eating a cracked one which has frozen in the nest.

Now that green food is so scarce would be, a good time to sprout some oats or barley. These sprouted oats are what you see advertised as poultry feed for 15 cents per bushel. While it will not take the place of corn and other grains still as green







food it is very acceptable to the hens and if not an extra nutritious food is a very healthy one. Those who advertise the secret sell it for a dollar and won't allow you to tell anyone else about it, but here it is for nothing and you can spread the good tidings among all your neighbors if you wish. Barley sprouts are considered better than oat sprouts but as the latter grain is raised more generally than barley, it will answer the same purpose. Put the oats in a pail or tub and cover with hot water and let them remain for 24 hours. Then draw off the water and empty the grain into a shallow box having holes in the bottom. Keep it moist by sprinkling with warm water two or three times a day. Set in a sunny or warm place and in a few days it will germinate and start growing. Then when healthy, green sprouts appear, use as feed. The hens will eat the roots as readily as the sprouts. With a temperature of 60 degrees, 10 days will bring these results. If you have a furnace cellar it would be the very place to do the sprouting. If not any place near the kitchen stove will do, provided the good housewife will permit it. By having several small boxes you can have green feed all the time.

Central Kansas Poultry Show. The Central Kansas Poultry Association held their third annual exhibition at Newton, Dec. 6 to 11. The weather was very severe but the show was a success, large crowds attend-ing to see the fine exhibit of birds.

THE AWARDS.

Barred P. Rocks—H. P. Moore,
Great Bend, 2nd cockered, 2nd hen;
R. Harmston, Newton, 1st cock, 5th
hen, 4th and 5th cockered, 2nd pen;
W. H. Philips, Newton, 1st cockered; W. H. Philips, Newton, 5th cock; Shelly Bros., Elmdale, 2nd, 3rd and 4th cockerel, 1st, 3rd and 4th hen, 3rd cock, 2nd, 3rd, 4th and 5th pullet, 1st and 3rd pen; C. C. Lindamood, Wal-ton, 2nd hen, 1st cockerel, 4th pen Buff Plymouth Rocks—E. D. Már-

tin, Newton, 2nd, and 3rd, cock, 3rd and 5th cockerel, 4th and 5th pullet, 2nd pen; W. F. Alden, Elsworth, 1st cock, 1st pen, 1st and 2nd cockerel, 1st, 2nd and 3rd pullet, 1st pen; Chas. Brummer, Newton, 4th cockerel. White Plymouth Rocks-J. T. Welsh Whitewater, 1st cockerel, 1st and 2nd

hen, 1st and 2nd pullet, 1st pen.
White Wyandottes—Ginnette and
Ginnette, Florence, 1st and 2nd hen,
1st and 2nd cockerel, 1st, 2nd, 3rd and

4th pullet 1st pen. Partridge Wyandottes-C. J. Page Salina, 1st cock, 2nd, 3rd, 4th and 5th hen, 1st pen; W. R. Fretz, Arkansas City, 1st hen, 2nd cock, 1st and 2nd pullet, 2nd pen.

Columbian Wyandottes—G. D. Willems 1st cockers 1st and 1st 4th and 5th

lems, 1st cockere, 1st, 4th and 5th hen, 1st cock, 1st, 2nd and 3rd pullet, 1st and 2nd pen.

Silver Wyandottes—J. H. Becker, Newton, 1st cock, 1st, 2nd, 3rd, 4th and 5th pullet.

R. C. R. I. Reds—G. D. Williams, 3rd cockerel; Chas, Wichita, 2nd cock, 4th cockerel, 4th and 5th hen, 4th pullet, 4th pen; J. K. Miller, Newton, 3rd pullet, 3rd pen; F. G. Barker, Salina, 4th and 5th cockerels, 5th pullet, 5th pen; W. R. Munroe, Florence, 1st cock, 1st and 2nd cockerel, 3rd hen, 1st, 2nd and 4th pullet, 1st and 2nd pen.

S. C. R. I. Reds-Chas. Cerf, 1st pen; F. G. Barker, 4th pen; W. R. Munroe, 1st cock, 1st, 2nd, 3rd and 5th cockerel, 2nd, 3rd, 4th and 5th

5th cockerel, 2nd, 3rd, 4th and 5th pullet, 1st, 2nd and 3rd pen.

Buff Orpingtons—G. F. Koch jr. Ellinwood, 4th cock, 4th cockerel, 5th pen; E. D. Root, Newton, 5th cockerel, 3rd and 5th pullet, 4th pen; W. B. Borders, Wichita, 1st cockerel, 1st 2nd, 3rd, 4th and 5th hen, 1st, 2nd and 3rd cockerel, 1st, 2nd and 4th pullet, 1st, 2nd and 3rd pen.

White Orpingtons—A. O. Haury.

White Orpingtons-A. O. Haury Newton, 4th and 5th cockerel, 3rd pullet, 3rd pen; A. B. Comad, Newton, 1st, 2nd and 3rd cockerel, 1st pen; A. F. Ferguson, Severy, 4th cock, 1st, 2nd, 3rd and 4th hen, 1st, 2nd, 4th and 5th pullet, 2nd and 4th pen.

Black Orpingtons-Roy S. Parks,

"Figure Out The Steps" Taken every day by not having a farm waterworks. Ridiculous waste of labor and time when a complete system costs so little compared with its great value. Learn about our Windmill Regulating Force Pump and how easily you can supply pure water to your house, stables and stock troughs—everywhere you may want it.

DOUBLE ACTING

esent the best and latest in pump manufacture—possess exclusive not features not found in other pumps. They are built on scien-principles—made to give service—are thoroughly reliable. Both as can be flushed without removing the working parts—plunger, k-valve and suction rod can be taken out without disturbing or platform—they are justly called "So-Easy-to-Fix" pumps.

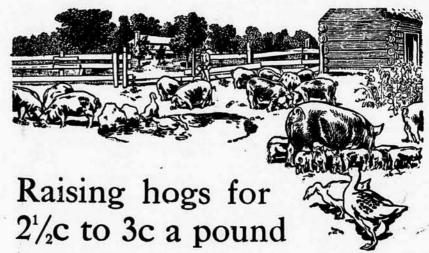
The Red Jacket Pumps are of attractive appearance—finished bright red, striped with gold and bearing the famous Indian head de mark—the mark of quality, efficiency and individuality.

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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Largest exclusive manufacturer of pumps in the world.





Hogs can be grown in the Ozarks to weigh 300 pounds without ever having had three bushels of corn—the cost will not exceed 21/2c to 3c a pound.

Such results as this can easily be will pay you well for your trouble. accomplished on a small dairy and stock farm in the Ozarks.

It is all a matter of proper feeding. A hog should have a complete ration. First provide an abundant pasture of grasses, clovers, rape, sorghum peas, peanuts and soja beans. These grow abundantly in the Ozarks. When the hog is well grown on these, prepare a balanced ration of ground rye, barley, soja beans, cow peas, adding, during the last few weeks, a little corn to harden the lard and flesh. Pour the warm skimmed milk from the cream separator over this balanced ration, and feed to the pigs in a clean trough, for a few weeks, and they will become great profitable hogs. Keep the hogs clean and do not let them sleep in old straw stacks or pile up together.

Do not depend too much on corn for hog feed-it is the highest priced feed on the farm, when relied on entirely. One acre of corn will sometimes produce as little as 150 pounds of pork, whereas the same land, if planted in peanuts, will produce 1200 pounds of pork. Besides, corn takes nitrogen from the soil, while peanuts will put in from \$2.00 to \$5.00 worth of nitrogen, per acre. Furthermore, corn must be harvested and shucked, while the hogs themselves harvest the peanuts. Plant peanuts, provide movable fences and let the hogs gather the crop and enrich the soil.

Hog raising is just one feature of intensive farming in the Ozarks. Cows, sheep, mules, poultry and fruit are all very profitable.

A small farm devoted to these pur-Give them pure water, which is suits will return a big profit on a plentiful in the Ozarks, and they small investment of cash and labor.



If you will get a small farm in the Ozarks, set out an orchard of well selected varieties, lay out a vegetable garden and berry patch, stock the farm with poultry, cows, pigs, sheep and mules, grow the feeds and grasses you need for them, you will realize a greater profit than you possibly could make on a big grain farm elsewhere.

Furthermore you would live in a beautiful country, in healthful surroundings, free from malaria and away from severe cold and snow. You would be within a few hours of three large markets-St. Louis, Kansas City and Memphis and would have advantage of good local markets, schools, churches, etc.

It will be worth your while to look farther into this. We have some attractive books full of plain facts about the Ozarks. They will interest you. Write for free copies today.

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TREES THAT GROW ofes &c, Peach &c, Plum 12c, prry 1&c. Best quality, good rers, grafted stock, not dlings. Concord pes \$2.50 per 100. tic. Best quality, good grafted stock, not s. Concord 25.50 per 100. Flare Seed00 per 100. Flare Seed00 per 100. Flare Seed Cart
We Coreless" Tomato, the best of all tomatoes.

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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.

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of all kinds AT WHOLESALE PRICES, Save Legans commission of 40 per cent by ordering direct free of from 1 to 4 trees; roses, shruls or other stock. Stock Guaranteed first class. Certificate of Inspection furnished. Don't delay, send for price list now. Address Box H. Wichita Nurserles, Wichita, Kan. (Gen'l Agts. for Wellington Nurserles.)

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Trees \$1.00. 40 Concord Grape Vines \$1.00.

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everywhere—famous for heavy fruiting. Apples and Peaches 5c. Catalpa Speciosa, \$2.00 per 1000.

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, FAIRBURT, MEB.

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Funeral Director and Licensed Embalmer.

Bit Quincy.

Topeka, Ken

Yates Center, 1st cockerel, 1st, 2nd, 3rd and 4th pullet.

White Langshans-H. M. Palmer, Florence, 1st cockerel, 1st, 2nd, 3rd and 4th pullet, 1st pen; J. N. Hotmas, Wichita, 1st and 2nd hen, 2nd hen, 2nd cockerel, 5 pullet, 2nd pen.

Black Langshans-H. M. Palmer, 1st 2nd, 3rd, 4th and 5th cockerel, 1st, 2nd, 3rd and 5th hen, 1st, 2nd, 3rd. 4th and 5th pullet, 1st, 2nd and 3rd pen; J. N. Holmes, 1st cock, 4th hen 4th pen; Wm. M. Tipton, Wellington, 5th pen.

S. C. White Leghorns-W. D. Nich cls, Newton, 1st cock, 1st hen, 2nd cockerel, 1st, 2nd and 3rd pullet, Clarence Brunner, Newton, 1st and 3rd cockerel, 4th and 5th pullet.
R. C. White Leghorns—Mrs. C. S.

R. C. white Legnorns—Mrs. C. S.
1. Wade, Miltonvale, 1st cockerel, 1st,
2rd and 3rd pullet, 1st pen.
S. C. Hamburgs—Mrs. Minnie Koch,
Ellinwood, 1st, 2nd and 3rd cocks,
1st, 2nd, 3rd, 4th and 5th hen, 1st pullet, 1st pan.

S. C. Brown Leghorns-J. Saurer, Newton, 1st cock, 2nd cockerel, 1st, 2nd and 3rd hen.

White Pekin Ducks-L. H. Pershing, Newton, 1st cock, 1st, 2nd, 3rd hen, 1st pullet, 1st pen.

M. Bronze Turkeys-All to G. W. Perkins, Newton. White Holland Turkeys-All to Mrs.

las. Pringle, Elmdale.

The officers and Board members of the Central Kansas Poultry Association for next year are as follows: C. M. Chapman, Newton, Pres; H. M. Palmer, Florence, V-Pres; E. D. Martin, Newton, Sec'y-Treas.; W. B. Borders, Wichita, Director; C. C. Lindomood, Walton, Director.

Rhode Island Reds.

Will you give description and average size of Rhode Island Reds. Also their standing for egg producing and hardiness. I want a medium between Brown Leghorns and Plymouth Rocks and rather thought the R. I. Reds would answer the purpose.—Mrs. P.

E. Howe, Peabody, Kan.
For a full, detailed description of
Rhode Island Reds or any pure bred
fowl, you should consult The Standard of Perfection, a copyrighted work issued by The American Poultry Association. As this is a copyrighted book we are not allowed to print anything from it without being subject to prosecution. As their name indicates, the Rhode Island Reds, are red feathered birds, though occasionally some have buff, white and black feathers mixed with red. A uniform red color is very desirable. The standard weight should be 8 pounds for cock, 7 pounds for cockerel, 6 pounds for hen and 5 pounds for pullet. Hens and pullets are a pound a half lighter than Plymouth Rocks and cock and cockerels one pound lighter. They are a medium weight between the Mediterranean and the Asiatics and have the reputation of being extra good layers. They are a very puplar variety at present and at our recent shows have outnumbered most other varieties. They come in two varieties, the Single Comb and Rose Comb, but alike in shape and color.

It Pays to Plant Right.

There is a right way and a wrong way to plant. Soil conditions vary, even in adjoining fields, and no iron-clad rule can be made to fit every condition. It is essential to have the land in proper condition for seeding, and no one will deny it. There is a time to sow and a time to reap, and the ruler of the universe has never yet failed to provide a time for both. However, some men get in such a hurry to seed that they think they cannot possibly wait another hour, so they get stampeded, mud in their crops and then wonder why their more successful neighbors get more bushels to the acre. Yes, it pays to plant right. It pays to have a good reliable grain drill to do the worka drill that will not clog, choke or skip-a drill that will handle any size seed in any quantity desired-a drill that will sow all brands of commercial fertilizers, no matter how difficult to handle. That old, reliable grain drill, the Farmers' Favorite, manufactured by The American Seeding Machine Co., Incorporated, Springfield, Ohio, is a drill that can be thoroughly relied upon to do the work of any farmer in any part of the world. Among the many styles and sizes of Farmers' Favorite Drills will be found

Meat and Food Chopper

The only true Meat Chop-per—the only chopper that has are zor-edge, four-bladed steel knife and perforated steel plate that actually cuts meat, fish, vegetables, fruits, bread, etc. without crushing or mangling.

The "ENTERPRISE" is the strongest chopper made —hasthelewest parts—is the simplest in construction. Easily cleaned. Cannot rust.

For Sale at Hardware and General Stores Everywhere.

No. 5, Small Family Size Chopper, \$1.75. No. 10 Large Family Size Chopper, Price,

"ENTERPRISE" Meat and Food Choppers are made in 45 sizes and styles for Haud, Steam and Elec-tric Power. We also make cheaper Food Choppers but recommend the above. Il-lustrated catalogue FREE.



Sausage Stuffer and **Lard Press**

The quickest way, the casiest way, the cheapest way to make the best sauway to make the best sau-sage and lard is to use the "ENTERPRISE" Sausage Stuffer and Lard Press-two machines in one. It is an absolute necessity at butchering time.

It is strongly made and every part does its work without a hitch. Plate fits perfectly and cylinder is bored absolutely true. Pressure will not cause meat to rise above plate. The patent corrugated spout prevents air entering the casing, thus assuring perfect filling and preservation of sausage.

Sold by Hardware Dealers and General Stores everywhere.

Write for catalogue.



Bone, Shell and Corn Mill

A necessity to farmers, poultrymen and all who keep poultry. A splendid general, all-round mill-Grinds poultry feed and makes bone meal fertilizer.

Grinds dry bones, oyster and other shells, corn, etc. Pays for itself in a short time. Size shown in illustration (No. 750, Price \$8.50, weight 60 lbs.) grinds 1½ bushels corn per hour

Look for the name "EN JERPRISE" on the machine you buy.

We also make other household specialties—all bearing the famous name "ENTERPRISE"—Coffee Mills, Raisin Seeders; Food Choppers; Fruit, Wine and Jelly Presses; Cherry Stoners; Cold Handle Sad Irons,

Ask for them at Hardware and General Stores.

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Topeka,

Anti-Friction 4-Burr Mills Double the Capacity of Geared Mills.

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 60 to 80 bu. per hour.——30,000 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.—F. 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 durable and fastest grinding line of mills sold, including our FAMOUS IOWA NO. 2 for \$12.50. Send for our free Catalog.

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Sta. B. Breeder of

WHITE PLYMOUTH ROCKS

Exclusively.

A few good cockerels for sale.

drills exactly suited to the seeding conditions anywhere. This drill is guaranteed in such a way that the purchaser runs no risk. Send for the Farmers' Favorite catalogue. Go to your implement dealer anad insist on looking over the Farmers' Favorite





WHITE WYANDOTTES.

If you want the large Pure White kind, with bay eyes and yellow legs, write me. Ihave 200 for sale.

E. L. BOWERS,

Bradshaw Nebrosks.

Bradshaw, Nebraska.

ROSE AND SINGLE COMB RHODE - ISLAND REDS,

Good breeding and exhibition cockerels now ready to send out. Don't wait until show time or spring and take just what you can get. We are crowded for room and are making low prices. Few S. C. pullets in pairs, trios and pens. No R. C. hens or pullets for sale.

H. A. SIBLEY, Lawrence.

Kansas.

Kansas.

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. WHITE BROS., Buffalo, Kan

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 first, 2 sweep-stakes, \$10 cash special. Sales guaranteed. Circular free.

SHELLEY BROS., Kansa.

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

Clay Center,

Nebraska.

Hens Produce Honest Eggs



Geo. H. Lee produces homest Incubators and Brooders. His 1910 Mandy Lee fluculators remain a greatwork from hatching. The poultry configuration of the product of the produ

GEO. H. LEE CO., \$137 Harney Street, Omaha, Neb.



The New Year's Ledger.
I said one year ago,
"I wonder, if I truly kept
A list of days when life burnt low,
Of days I smiled and days I wept,
If good or bad would hignest mount
When I made up the year's accout?"

I took a ledger fair and fine,
"And now," I said, "when days are glad,
I'll write with bright red ink the line,
And write with black when they are bad,
So that they'll stand before my sight
As clear apart as day and night.

"I will not heed the changing skies, Nor if it shine nof if it rain; But if there comes some sweet surprise, Or friendship, love or honest gain, Why, then it shall be understood That day is written down as good.

"Or if to anyone I love
A blessing meets them on the way,
That will to me a pleasure prove;
So it shall be a happy day:
And if some day I've caused to dread
Pass harmless by, I'll write it red.

"When hands and brain stand labor's test,
And I can do the thing I woud!,
Those days when I am at my best
Shall all be traced as very good,
And in 'red letter,' too, I'll write
Those rare, strong hours when right is
might.

"When first I meet in some grand book
A noble soul that touches mine,
And with this vision I can look
Through some gate beautiful of time,
That day such happiness will shed
That golden-lined will seem the red.

"And when pure, holy thoughts hove power
To touch my heart and dim mly eyes,
And I in some diviner hour
Can hold sweet converse with the skies,
Ah' then my soul may safely write:
"This day hath been mest good and bright."

What do I see on looking pack?
A red-lined book before me lies,
With here and there a thread of black,
That like a gloomy shadow flies,—
A shadow, it must be confessed,
That often rose in my own breast.

And I have found it good to note
The blessing that is mine each day;
For happiness is vainly sought
In some dim future far away.
Just try mly ledger for a year,
Then look with grateful wonder back
And you will find, there is no rear.
The red days far exceed the black.
—Amelia E. Barr.

A Date Pudding.

A new date and nut pudding that takes but a short time to make and is delicious is made in this way:

Seed and cut in pieces one cup of walnuts. Take one-half cup cracker dates and shell one-half cup English crumbs, one cup sugar and three ta-blespoons milk and mix with cut dates and broken nut meats. Add the yolks of two eggs and last the stiffly beaten whites. Put in a buttered pan patting it until it is about one inch thick. Set this pan in a pan of water and steam in the oven about 15 minutes. Serve either hot or cold with whipped cream.

How to Cook Rabbit.

Do you know that the common and sometimes despised rabbit makes a dish hard to beat when it is properly prepared? Now don't say that it has a strong, wild taste and that you do not like it. By proper preparation the wild taste can be wholly elimi-nated, and the dish is fit for a king.

After your rabbit is dressed, let it hang and freeze a day if possible. This is not essential, however; clean carefully and cut off the strip of thin skin that covers the intestines. Cut in pieces and soak for two hours in sat water. Rinse well and put in a kettle of cold water. Let boil and pour off the water. Cover again with hot water and simmer until tender. Then take the pieces and roll in flour, put in a baking pan, season with salt, pepper and plenty of butter and pour over it the water in which it was boiled. Put in a slow oven and let simmer and brown, turning the pieces once, about one hour, keeping enough water on it to about half cover. If you do not like rabbit cooked this way there is no way to cook it that you will like. This recipe has been in use in several families for years, and nothing pleases the family better than "panned rabbit."

Between the Lines.

JOHN CLAIR MINOT, YOUTH'S COMPANION. Roger and Donald were about the most excited boys alive when they learned that a regiment of the state troops was to spend a week in camp near their home. Their grandfather, who had been a solider himself, had told them many thrilling tales of sol-

When the time at last arrived, it was sport to watch the soldiers go marching by, company after company, with the band playing and the flags flying; and the older people also seemed to enjoy it.

At first the boys watched the doings in camp from a safe distance, but soon they got used to it and were bolder, and one day toward the end of the week they ventured well into the parade-ground itself.

Suddenly Roger clutched Donald by the arm. "Look!" he gasped. "The soldiers are coming this way!" From one side of the field the troops

were marching in double-quick time, line upon line, their guns gleaming in the sunshine, and the mounted officers riding upon the flank. For an instant minutes later. "I ought to have told you not to go near the camp."

> Candy Recipes. WHITE FOUDANT.

2% lbs. sugar (5 cups), 1½ cups hot water, ¼ teaspoon cream tartar. Put the ingredients in a smooth granite stew pan. Place on the stove and heat to the boiling point. Cook until it will form a soft ball in cold water, let cool, then stir with a wooden spoon until white and creamy. From this consistency it will change quickly and begin to lump. Knead with the hands until perfectly smooth. Flavor and form into bon bons.

COFFEE FONDANT.

2½ lbs. sugar (5 cups), 1½ cups cold water, ¼ cup ground coffee, ¼ teaspoon cream tartar. Put water and coffee in a stew pan, heat to boiling point and let simmer for 1 minute. Strain through double cheesecloth, then add to the sugar and cream tartar. Cook the same as for while fou-

COCOANUT CREAMS.

1½ cups sugar, ½ cup milk, 2 teaspoons butter, ½ teaspoon vanilla, ½ cup shredded cocoanut. Melt the butter, add sugar and milk, then boil until a soft ball can be formed in cold agreeable and acceptable to the stockholders of the Standard. The parties who originated the Standard, for the purpose of meeting certain requirements benefiting as they believed the conditions for recording Poland Chinas at that time are still in active life, though growing older each year; but they have the same fatherly care and interest in the Standard and believe firmly and hon-estly that it is the wide open door for welcoming the uniting of the three record companies. It was started for the purpose of offering a plan for consolidation; but they claim that the same conditions existed with each of the other companies and this, of course, prevents unison or combination of the three companies.

It is shown by the Ohio's transactions, which was the oldest company and located where the breed origi-nated, that there were gathered around it sentiments which would naturally be preserved and pride taken in, overlooked and waived this in joining their interests with that of the Central and forming the National, to the advantage and improvement of both by consolidating the business of

the two into one. One thing that has changed conditions since the companies were organized is the fact that the Ohio, although the fountain head of the ori-gin of the breed, it is also the ex-treme eastern boundary of where the majority of hogs of the breed are now owned. The moving westward of the farmers and of the Poland China breed has aided in building up the western companies to such an extent that the Standard and the American are either one doing more business

than the consolidated two. While we would gladly welcome a consolidation of the three companies now in force, we are afraid that there would be a failure to agree upon the location and which should be the company that the others are to be merged into. We admit that this is a day of combining, we see it in the banks and other corporations, and there is one proposition made by the Kansas breeders that would be helpful, that is that a provision be made for each of the secretaries in the organization, as there is plenty of work for them an. The three men now filling the positions have been engaged in this business until they are experts and have the confidence of breeders.

We admit that it would be to our liking to see the great combined rec-ord company of the Poland China breed, which we are convinced is the greatest of American breeds and the greatest converter of corn into pork and lard that the American farmer can find, still retained in our state. This would be my pride and my choice, but if it could be done harmoniously we would not object to it being located at any other more fa-

vorable point.

We hope the breeders will take this matter up and give their real sentiment about it, and see if anything unless it is agitated and the views of unless iti s agitated and the views of parties given in reference to it.

Bob White, the Farmer's Friend.

If the farmer ever had a real friend among the wild things of earth that friend is surely the little, jully, optimist, Bob White. A delicious morsel himself he makes it possible for the farmer to enjoy other delicous things by the unceasing war he wages upon their enemies.

It is estimated by experts that grasshoppers do damage to the farms of this country to the amount of \$90,-000,000 each year. The chinch bug costs the farmers \$100,000,000 per year, the potatoe bug \$8,000,000 according to the same authority. addition, there is the enormous damage done by numerous other insects every one of which is the food of Bob White. In fact, he has to his credit a list of fifty-soven different beetles, twenty-seven varieties of bugs, nine species of grasshoppers, locusts and their kindred, and thirteen sorts of caterpillars, besides ants, flies, wasps, spiders, etc. The creps and gizzards examined in the Government laboratories to ascertain the character and proportions of the quail's food, were collected from twenty-one states, besides Canada, District of Columbia and Mexico.

And then there are the weed seeds,

The New Year

ELLA WHEELER WILCOX

MORTAL:

"The night is cold, the hour is late, the world is bleak and

Who is knocking at my door?"

THE NEW YEAR:

"I am Good Cheer."

MORTAL:

Your voice is strange; I know you not; in shadows dark I grope.

"What seek you here?"

THE NEW YEAR:

"Friend let me in; my name is Hope."

MORTAL:

"And mine is Failure; you but mock the life you seek to bless." "Pass on,"

THE NEW YEAR:

"Nay, open wide the door, I am Success."

MORTAL:

"But I am ill and spent with pain, too late has come your wealth. "I cannot use it."

THE NEW YEAR:

"Listen friend; I am Good Health."

MORTAL:

Now, wide I fling my door. Come in, and your fair statements prove.

THE NEW YEAR:

"But you must open, too, your heart, for I am Love."

the two young intruders gazed, fascinated, at the oncoming ranks. "Do you suppose they are after us?"

whispered Donald. "Perhaps they think we are spies!"

Ventured Roger.

They turned to run, but stopped short, for behind them was another body of soldiers, also coming straight in their direction. There was no tree or wall at hand to afford them shelter -only the big, bare field, with the lines of soldiers hurrying down upon them from front and rear.

Hardly had the two boys started to run off to one side, in the hope of escaping that way, when the charging soldiers began firing their guns and shouting with all their might. The air was quickly filled with smoke, and then all at once the soldiers whom they had first seen were upon them.

But the ranks opened a bit, and with aughter and good-natured jokes at their discofiture, the soldiers rushed by, leaving two very frightened and bewildered young men to hurry home as fast as their little legs would carry them.

"This is the day of the mock battle," said their mother, when they had related their adventure to her a few

water, add cocoanut and vanilla. Cool until luke warm, then beat until thick and creamy. Turn into buttered pans and mark in squares. Broken nut meats may be used instead of the cocoanut.

Consolidate the Records.

Having read the article from the Kansas breeder in the last issue of the Swineherd in relation to the combination of the three Poland China Record Associations into one, it is perhaps a good thing to agitate this, for I believe that every breeder will admit that it would be an advantage to the breed if there was but one record company for the breed, says a Missouri breeder in the American Swineherd.

If this is the truth breeders will say, then what is there to prevent what everybody is willing to concede. We can inform them the reason in very few words; everybody is naturally to some extent selfish and believing that their methods of consolidation is the correct plan. If we could make it the Standard Record Company, and the American and National would come in and join us and be the Standard, this would be

85 different kinds of which have been found in the crops of the quails. As many as 100 rag weed seeds and 5000 fox tail seeds have been found in Up



The best medium-priced riding plow made, and stronger than any similar plow. It has the only genuine automatic steering rod made; protected by our patents. Has every necessary convenience and adjustment, and is in every respect what you want—a periect plow. Write for Beautifully Illustrated Parlin & Orendorff Co., Canton, Pamphlet and Catalog No. A 48 Parlin & Orendorff Co., Illinois.

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—Dust-proof—Danger-proof—All gears enclosed—simple standard built and absolutely dependable.

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—Easiest to clean and the few parts come out easy and
an't get back out of place.
—Easiest to run—high crank—low tank. With no high
fiting and no "back-breaking" cranking.
—Gets the finest quality cream and all of it—no lumps
r churning, as Nature's true principle is followed without
preing either the milk or cream the wrong way up or down.
—Skims closest in any climate or season, no matter
thether your milk is warm or cold.
—Is as handsome a machine, compact and substantial,
s you ever saw or could find. Beautiful finish.

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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, Kansas

quails crops at one time. Evidently the quail is as valuable for weed as for insect destruction. He is ornamental as well as useful and the farm on which numerous flocks of quail are to be found is an attractive place. He does all he can for the farmer and is surely entitled to some consideration in return. Every farmer should be on the alert and protect Bob White, not only from the horde of irresponsible hunters who pay no attention to law or property rights but against the inclemency of the weather as well. During the late cold snap the ground was covered with ice and crusted snow to such an extent that the food supply of the quails was rendered inaccessable and. Bob White must have had a hard time. During such seasons, the farmer is simply taking care of himself when he takes care of his quails. A little grain sprinkled in a sunny place will be highly appreciated by them and will pay big returns.

Kansas Made Hog Cholera Serum.

Present Production Sufficient to Immunize One Hundred Hogs per Week Much has been written within the

last few months, and particularly by the country press, finding fault with the Kansas State Agricultural College because it is not able to supply swine growers with hog cholera serum. KANSAS FARMER has been keeping its readers as fully informed regarding the matter as the facts would warrant and has stated from time to time that the Kansas State Agricultural College would be able soon to provide the serum. A few days ago this editor addressed Dean Webster asking what progress was being made and here is his reply

The veterinary department has been producing anti-hog cholera serum for some time. This serum, however, will not be ready for use in the state for several weeks, as it must first be thoroughly tested before it is applied in the field.

Each hyperimmune hog yields from four to six drawings of serum, about ten days apart. This must all be mixed together and tested before it can be used, as the first drawings are too strong and the later ones too weak. The process, in order to yield reliable and potent serum, is slow and exacting, but the plant is now producing serum as accurately and as rapidly as can be done by any plant of its age and size in the world.

Dr. Schoenleber personally super-

vises the work and the details are carried out mostly by Dr. E. F. Kubin, a graduate of the veterinary department of the Kansas State Agricultural College, who receved the most of his training in this work at the Federal plant at Ames, Iowa, under the instruction of Dr. W. B. Niles, government expert and originator of the process and Dr. Greeder.

The people of Kansas may rest assured that the serum produced at the Agricultural College will be as potent as can be made and it will be ready for use as soon as consistent with

The plant is now yielding enough serum per week to immunize about one hundred head of hogs. This will

be doubled in another week, after which the number will be increased every few days at the same rate for several months, which is as rapidly as can possibly be done anywhere or by

There are now in use 7 susceptible hogs, 27 immunes, 9 either producing serum or almost ready to yield virulent blood. There will be added probably in a week or ten days about 50 more susceptibles, and by the first of January, 1910, as many more.

The present plans are to keep constantly on nand, ether in use or ready for use, about 200 head of hogs dur-ing the winter months.

The serum can be preserved, stored and kept for several years if necessary, which will allow the producing and storing up of a large supply for future outbreaks of cholera.

To illustrate what this means to Kansas swine growers a statement regarding the work done by the Missouri Experiment Station will be valuable. With serum from that institution over 12,000 hogs from infected hog cholera herds have been innoculated within the past year with a saving of ninety to ninety-five per cent of all hogs which were well at the time of the innoculation. Without treatment at least eighty to eghty-five per cent of the hogs would have suc cumbed to the disease. When the Missouri farmer knows that the loss from the dreaded disease in this state alone is conservatively estimated at \$2,500,000 he is face to face with this self-evident proposition: that the husbanding of the state's resources by the prevention of hog cholera is certainly an important item. Up to date over forty counties in Missouri have been reached with this preventive serum produced in the laboratories of the Experiment Station. On an average over 2,000 hogs are innoculated monthly. If 1,800 of these are saved and they will average \$10 a head, we have a saving to the state of \$18,000 monthly, or over \$200,000 yearly. In addition to this the effective checking and control of cholera which prevents any subsequent infection saves equally as much if not more. When it is realized that the amount of this saving is more than the state has put into the college and station for its maintenance during its entire exist-ence the returns for the money nivested is doubly appreciated, and the work of hog cholera prevention is but one of the many means wherein the station is saving the state's resources.

A New Book on Fruit Growing. The Webb Publishing Co., St. Paul, Minn., has lately issued a very val-uable and comprehensive book on Popular Fruit Growing by Professor Samuel B. Green of the University of Minnesota. This is a book of 300 pages that is published especially for beginners in fruit growing yet which much that is of value to the experienced orchardist. Prof. Green is the author of "Vegetable Gardening," "Amateur Fruit Growing," "Principles of American Forestry," and other works of recognized value.

This book is well written and well illustrated and, being the second edition, is brought down to date.



Grand champion steer at the In-King Ellsworth 102185, Aberdeen Angus. Owned, fitted and exhibited by ternational Live Stock Expositon, 1909. the Kansas State Agricultural College,



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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. mous quantity.

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Get my Clincher Proposition for 1910 with proof-lowest price ever made on a first-class spreader. No. 5, complete with steel trucks, 70-bu. size; or Galloway Famous Wagon-Box, 4 sizes, from 50 to 60-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.

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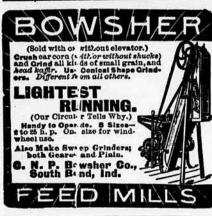
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Rural School Consolidation in Illinois. Great lumps of trees and lawns and vistas of blue grass cover the 24-acre

campus of the John Swaney consolidated school in Magnolia township, Putnam county, Ill. Nothing but pictures or a personal visit could give one a fair idea of its beauty and the enjoyment and education these grounds impart to the boys and girls who work and play there.

There is a parn for 24 horses, the janitor's house and a school garden which the children kept up throughout the summer vacation. Adjoining the campus is the University soil experiment field of six acres where the results furnish the pupils a valuable object lesson, and nearby an abandoned school house which has been remodeled for a teacher's home, where the five teachers live and study and employ a housekeeper. The campus was donated by John Swaney. A first-class accredited high school

is one of the greatest features secured by this consolidation, and it is made doubly valuable to the rural community by having agriculture, woodwork and domestic science well taught. This is not a trade school, nor have industrial subjects over-balanced the others, for all the usual studies, even including Latin, are taught as in the best city schools. Enough is paid to secure the best teachers—\$100 per month for the p in cipal and \$65 for each of the four assistants. Village schools in the county pay men \$75 to \$100, and county schools about \$60. Women get \$45 to \$60 throughout the county reports the Illinois Farmers' Institute.

While the total number of children of school age in the district is 92 by the treasurer's record, the enrollment last year was 106 and the average attendance 95. The enrollment so far this school year is 100 and the average attendance the first three months, 96. Isn't that a good record? There are 28 tuition pupils (and many others may come Jan.) paying \$2.50 per month.

The total cost of running the school the year of 1908-1909 was \$6,500 including \$2,000 or more building tax. When the wagons are run they cost 720 per year. But this first-class school requires a tax rate of only \$2.45 for educational purposes and \$1.20 for building, while other village schools of the county, not at all to be compared with the John Swaney school, are paying the following respective rates for education and building; Granville, \$2.50, \$1; Hennepin, \$2.50, 40 cents; Mark, \$1.95, \$1.82; McNabb, \$2.08, 96 cents. Of the \$12,000 indebt. edness for the building, \$4,500 were paid by the tax of the first two years, \$1,200 by subscription, and \$2,000 by tax last year; in all about \$7,700. The building debt will soon be wiped out.

Here in teaching the sciences they are applied to the problems of the soil, the crops, the cattle and the workshop; to the food and furnishing and health and work of the homes and are thus far more interesting and useful to the pupils. There is a well equipped chemical laboratory and another for the physical sciences. One of the school rooms has two sewing machines, a long sewing table, a large oak-paneled cooking table with twelve gas stoves upon it and locker and drawer room below for all the utensils. A manual training room with several work benches is in the basement; also, a girls play room. All equipment is of the best quality and will be increased to meet every practical need of the school.

In addition to four school rooms, there are two for offices and a library; he latter contains a thousand besides many govenment reports, and 48 pigeon holes classified for the agricultural bulletins. The hat and cloak hooks have inclosed shelves below them for the dinner pails, and there are closets and lavatories. In the third story is a large auditorium where a literary society meets every other Friday afternoon. It has a fine plano and fixtures for indoor basket

ball. The walls are hung with a moderate number of really artistic and educative pictures. The building is steam heated and a gasoline plant furnishes gas for lighting and for the kitchen stoves and other laboratory purposes. An air pressure system supplies running water.

The writer found eleven boys and two girls gathered close around Principal Irwin A. Madden's table, inspecting, handling and talking about

ten ears of Reid's Yellow Dent corn to discover the score card points. They were earnestly gaining new facts needed in corn growing. This class has made a collection of 60 kinds of seeds.

Classes are taken to different farms in the district to study cattle, horses, sneep and swine, and the pupils observe the feeding and care of certain live stock at their homes, some boys making tests for themselves. Alfred Wilson paid \$30 for a Duroc-Jersey sow and cared for her and her six Four of these sold at \$20 each and the mother for \$27, the two pigs remaining. His brother had a similar experience with Poland Chinas. Three families in the district test their cows every six weeks, and Babcock testers are borrowed for school work.

After a certain amount of chemistry is learned it is applied to the study of son fertility. The students analyze standard soils and soil samp-les fom their own farms to find the amount and per cent of different plant foods contained. By the same methods they discover how much nitrogen, phosphorus or potassium is removed from the soil by corn, and other crops, and how much of each can be restored by different manures and fertilizers.

Miss Beile McIntyre teaches domestic science. The lesson was a review upon bacteria as affecting the roods and health of the home. As a result of the sewing work last year the girls are now making their own clothes, and the school cooking has given them a new interest in the home kitchen, where they are using their knowledge. In another part of the course the house is studied as to its finishings, sanitation and pleasing effect.

A fine school spirit exists among the pupils. Discipline is an almost unknown problem there. The boys and girls ask and answer questions freely and frankly. This a Quaker and Grange community and many long lives of rare character and clear sound thinking have gone into the atmosphere that created this school.

Some Drainage Thoughts.
Drainage deepens the soil. Only that portion of the soil is accessible to the roots of most of our valuable plants which lies above the water-table. If the average depth of the water-table below the surface of ground during growing season is two feet, the total mass of soil through which the roots extend, and on which they can feed, is only one-half as great as it would be if the average level of the water-table were four feet below the surface. Reducing the level of the water-table, in one sense, there fore, enlarges the farm. The lower soil is not so rich as that nearer the surface, but its contribution to plant growth is important. The roots of most of our common crops penetrate far more deeply than is generally sup-posed, and there are few, if any, among the common cultivated crops that will not send roots to a depth of four feet, provided soil conditions are favorable.

Drainage promotes more perfect aeration. The action of the oxygen of the air upon the various soil constituents is favorable in several important directions. It promotes oxida. tion, and gradually renders soluble and available numerous soil com-pounds which, but for this action, must remain inaccessible to the growing crop. Only in well aerated soil do the organisms whose activity is essential to the formation of soil nitrates flourish. Well aerated soils are favorable to the multiplication and activity of numerous other benencial micro-organisms whose activity increases the productive capacity. The living root itself can maintain a condition of healthy activity only when

the soil contains air as well as water.

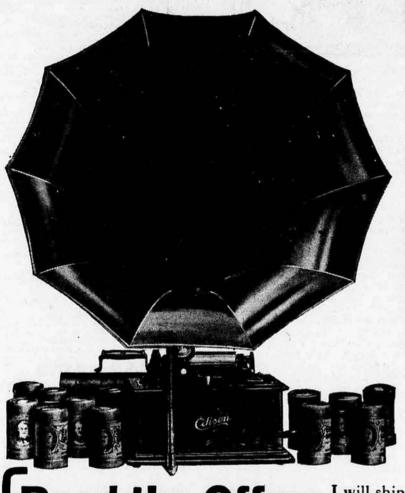
The average temperature of the soil through the growing season is raised by drainage, and the growing season itself is thus practically lengthened. Better tillage becomes possible. Wet

soil never works well.

The probability of injury to growing crops in periods of drouth is reduced. This appears to be due to the greater range of plant roots, and to the physical conditions of the soil being improved, so that its capillary powers are increased.

Seeds germinate more certainly and perfectly.

Surface washing is lessened. Water is free to enteer the soil, instead of running off over the surface-Massachusetts Experiment Station.



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The Latest Style EDISON Phonograph in Our New Outfit No. 10—this superb entertainer, Mr. Edison's latest, final improvement of phonograph—shipped

Yes, free. I don't ask a cent of your money —I don't want you to keep the phonograph— I just want to give it to you on a free loan then you may return it at my own expense.

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to pay me a cent C. O. D. or sign any leases or mort-gages. I want you to get this free outfit—the masterpiece of Mr. Edison's skill—in your home. I want you to see and hear Mr. Edison's final and greatest improvement in phonographs. I want to convince you of its wonderful superiority. Give a free concert; give a free minstrel show, music, dances, the old fashioned hymns, grand opera, comic opera—all this I want you to hear free of charge—all in your own home—on this free loan offer.

MY REASON-My reason for this free loan offer, this extra liberal offer on the finest talking machine ever

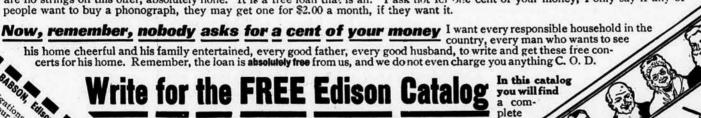
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The Phonograph is the result of years of experiment; it is Mr. Edison's pet and hobby. He realizes fully its value as an entertainer and educator; for the phonograph brings the pleasure of the city right to the village and the farm home. Now, the new Fireside Edison Phonograph of our outfit No. 10, 1910 Model, is the latest and greatest improved talking machine made by this great inventor. Everybody should hear it; everybody must hear it. If you have only heard other talking machines before, you cannot imagine what beautiful music you can get from the outfit No. 10. This new machine is just out and has never been heard around the country. We want to convince you; we want to prove to you that this outfit is far, far superior to anything ever heard before. Don't miss this wonderfully liberal offer.

Reason I don't want you to buy it—I don't ask you to buy anything. But I do feel that if I can send you this great phonograph and convince you of its merits, of its superiority, you will be glad to invite your neighbors and friends to your house to let fits No. 10. You can tell your friends that they can get an Edison Phonograph outfit complete with records for only \$2.00 a month—\$2.00 a month—the easiest possible payment and, at the same time, a rock-bottom price. Perhaps you, yourself, would want a Phonograph, and if you ever intend to get a phonograph, now is the chance to get the brand new and most wonderful phonograph ever made, and on a most wonderfully liberal offer. But if neither you nor your friends want the machine, that is O. K.; I simply want you to have it on a free loan, and perhaps somebody who heard the machine will buy one later. I am glad to send it on a free loan offer anyway. I will take it as a favor if you will send me your name and address so I can send you the catalog—then you can decide whether you want the free loan.

There are no strings on this offer, absolutely none. It is a free loan that is all. I ask not fer one cent of your money, I only say if any of your people want to buy a phonograph, they may get one for \$2.00 a month, if they want it.

list of music and vaudeville entertainments. You can pick out just the kind of records



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160 acres, 6 miles from Eldorado, Butler
Co., Kan., R. F. D. and telephone, 90 acres
first class corn and alfalfa land, 40 acres
alfalfa fenced hog tight, 10 acres timber,
balance pasture, good orchard, good well
and wind mill, house, harn and cuthuildings
are good and new. Frice 8.75 per acre. 320
acres joining above, similar land, 60 acres
alfalfa, improvements first class and new.
Price \$65 per acre.

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TWO FARMS MUST SELL.

40 a. near Garnett, Kan., good land, improvements and water, R. F. D. and telephone. % ml. to school.

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\$3,000 CASH.

Balance by owner, buys good 160 acrefarm 3 miles from Arkansas City, Kan.
320 fine bottom farm at \$55 per acre.
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240, most all Walnut river bottom, don'toverflow, fine farm, at \$60 per acre.
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OTTAWA COUNTY FARM BARGAINS. OTTAWA COUNTY FARM BARGAINS, 320 acres, ½ mile cut, 35 or 40 acres creek hottom, 170 acres in cult., 6 or 8 acres alfalfa, balance pasture, part of which could be farmed; good 6 room house, fair barn, good granary, well with good water, nice young orchard, living water in pasture fenced and cross fenced, over 100 acres in wheat. 1-3 goes. A hargain at \$40 per acre. Nice 80 acre farm, 4 miles out, unimproved, all in cult... iles nice, cheap at \$2,800. 160 acres, improved 6½ miles out, at \$4,800. We have others. Come or write.

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SEED CORN.

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

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To be pure seed gathered under our direction Examined by the U. S. Agricultural Department and found to be pure. Copy of their letter and catalpa facts in illustrated booklet mailed free. Write for same.

THE WINFIELD NURSERY CO., Winfield, Kansas.

100 acres, 90 acres cultivation, 10 acres pasture, 6 acres ellalia. Has 4 room cottage, barn, 8 horses, granary, all in good condition, 6 acres fine orchard, berries, grapes, well, good water, most all farm fenced hog tight, soil is sandy loam and rich, 2 miles from good railroad town, with high school, mill, 4 elevators, 2 banks, good stores and churches, etc., 22 miles from Wiehita in Sedgwick Co. Frice \$7,000; this a bargain. Send for list of farms. The Nelson Real Estate and Img. Co., 137 North Main St., Wichita, Kan. GOOD FARM, WELL LOCATED.

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 it. 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. handle.

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A BARGAIN.

228 a., 1% mi. to R. R. station, extra good farm, with good improvements, two houses, good barn and outbuildings, windmill and tank at barn, 60 a. bluegrass, bal. in cultivation, 18 a. alfalfa, 15 a. wheat, 10 mi. to Lawrence, 45 ml. to Kansas City. Good neighborhood. Price \$16,000, half cash; 'ime on bal., 6 per cent. Wite

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

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Also, over fifty other farms from 20 acres

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

HORTICULTURE



Mulching Strawberries.

The average farmer doesn't grow strawberries at all and many of those who do entirely neglect to mulch them. The benefits of mulching are threefold; to protect from the injury of freezing and thawing, to keep the berries clean and free from grit and to conserve moisture that the fruit often needs at time of ripening. In favorable seasons berries can be succesfully grown without mulching, but for a term of years there is no care that pays better. The work is best done the first time the ground is frozen hard and any kind of straw that is perfectly free from grass or weed seed is good material says a writer in the Ohio Farmer.

I have made two bad mistakes in selecting material. Once when I used wheat straw that had timothy seed in it and again when I used clover hay. I had such a good stand of timothy and clover that I couldn't fruit the bed the second season but had to plow it and start a new one. While the work is considerably more there is no material quite so good for mulching as leaves. This season a strong wind swept the leaves clean from the lawn and lodged them in a great bank against the garden fence, right close by the strawberry bed, so that, with large baskets, it was but a few minutes work to put them where they would do the greatest good. Of course to do this work one must select a still day and after the leaves are placed they must be weighted to keep them in place or the first strong wind will whisk them off out of sight. For this nothing is better than a good layer of brush, but old boards or a light sprinkling of earth will be effectual. As soon as all danger of freezing is over in the spring I remove a part of the mulch that is directly over the plants, taking off just enough so that I can see an occasional green leaf peeping up through, raking it between the rows where it is left to act as a mulch to conserve moisture and make a clean path on which to walk while picking the fruit. The plants will push up through a quite heavy mulch and it is well to leave enought directly over the plants to thoroughly protect the berries from grit; for aside from the extra work of freezing them from the dirt it is well known that it is possible to wash out much of the delicate flavor of the strawberry by repeated rinsings.

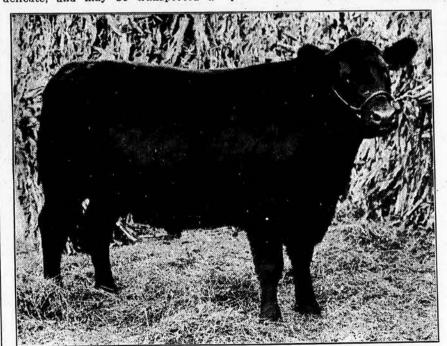
Propagation of Walnuts.
The propogation of the walnut in the natural way, or by seed is exceedingly simple, for the nuts grow readily and freely if planted soon after they are ripe, or any time before they become old and the kernels shriveled. It is, of course, best to plant them while fresh, but they are not at all delicate, and may be transported a

long distance in a dry condition with-

out seriously affecting their vitality.
The seedlings of walnuts, like those of other species, usually produce long taproots, and if grown in a compact soil, these will have few small lateral fibers the first season; but when taken up and the vertical main root shortened, and then replanted, they produce fibrous roots in abundance. The trees of almost any age from one to twenty years old, are not at all difficult to make live when transplanted, provided the branches or tops of the trees are reduced to correspond with loss of roots in digging up at the time of removal. It may be well to give a word of caution to the novice in nut culture about pruning nut trees in spring, after the sap begins to flow, for if done at this time they will bleed freely and leave unhealthy wounds and black, unsightly spots on the bark Prune walnuts in summer or early in winter, to give time for the wounds to season before the buds swell in spring. If young trees are to be dug up, prune after they are taken from the ground, then the sap will not flow from the wounds. This is true of all deciduous trees, vines and shrubs. If the trees have few small roots when taken up, prune severely; but if roots are abundant, little pruning will be required. It is seldom, however, in transplant-ing walnuts, that the pruning need be as severe as recommended for the chestnut; in fact, having transplanted walnuts of various species and of all ages from one to twenty years, without the loss of a plant, I have come to the conclusion that they are pretty safe trees to handle, in this climate, at least, if not elsewhere.

In seeking walnuts from a distance, for planting anywhere in the Middle or Northern States, it will be well to learn something in advance about the climate in which the nuts are raised; for it would be folly to send for either trees or nuts to a warm or semi-tropical region, like that of southern France or Spain, for a stock to cultivate in a climate as cold as that of New York, New Jersey, and states on the same line westward. We might, perchance, from such importation, secure one hardy plant in a hundred or thousand, but there would be no certainty of even this small number.

This idea of acclimation and adaption of trees to conditions and climate should not be overlooked by the nut culturist, no matter from what source he produces his stock, whether from abroad, or some distant region of his own country. If it can be obtained from a region where it has been growing under condition similar to those to which it is to be transferred for cultivation, then the chances of success will certainly be largely augmented. Acclimation is a slow process; in fact, too slow for us to expect to secure any appreciable advan-



Symboleer 1580, Aberdeen Angus, Reserve grand champion steer at the International Live Stock Exposition, 1909. Bred and fitted and exhibited by the Kansas State Agricultural College.

LA STORY TO SEE THE SECOND TO SEE THE SECOND TO SECOND T

KANSAS LAND

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

R. A. GILMER,

Arkansas City,

Kansas.

BUY A HOME CHEAP.

We are showing lands in the Lost Mountain section of Canada at prices ranging from \$10 to \$20. Low excursion rates twice a month. Write for full information, NEISON BROS., Clyde, Kan.

REPUBLIC COUNTY LAND.

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

Reliaville. Kansas.

Belleville,

EASTERN KANSAS FARM BARGAIN.
160 a., 3½ 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. Frice \$45 per acre. For particulars write J. C. RAPP, Osage City, Kan.

44,000 ACKES

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.

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 Hogdeman county, fine for a ranch. Price \$7.50 per acre.

CHAS. PETERSON, 18½ N. M. St., Hutchinson, Kan.

BARGAINS For CASH or TRADE

f all kinds direct from owners of farms, nches, mdse., hardware, hotels, livery arns. Send for our book of trades or cash

BERSIE REAL ESTATE AGENCY, Eldorado.

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 acctylene gas, bath and tollet, 60-barrel cistern, sewer system, R. F. D., telephone, 5 4 miles to two railroad towns. Price \$65 per acre. For further particulars write

NEAL A. PICKETT, Kansas. Arkansas City,

Arkansas City,

BARGAIN.

160 acres, 100 acres in cultivation, 10 acres hog tight, balance grass; timber for wood and posts; 7 room house; barn 20x60; wagon, implement and cattle sheds; corn crib: well and cistern; nice shade; 6½ miles from Climax; school ½ mile; R. F. D. MURPHY & SIMPSON,

Fort Scott.

Kansas.

AN EXTRA FINE FARM.

240 acres, 1½ 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 40x52,
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,

Kansas.

SEDGWICK CO. FARM BARGAIN.

For Sale: 480 acre farm, level dark soil, 300 a. in cultivation, 180 a. in pasture. Good 17 room house, large barn 32x56 ft., also good tenant house and barn, close to good market town and 18 miles of Wichita. Price only \$24,000, \$8,000 cash will handle this; balance at 6 per cent interest 5 years.

BEATTY REALTY CO.,

Opposite Post Office, Wichita, Kan.

ROOKS COUNTY LAND

One Hundred Farms for Sale. Write for lists.

C. H. DEWEY, -:- Stockton, Kap.

MR. TENANT READ THIS.

100 acre farm for sale at only \$30 per acre, close to school and in fine locality. Free gas to burn. Good 4 room house and new barn 36x35 feet. 25 acres in cultivation, 40 a. in meadow, balance in pasture. ROSS DEFENBAUGH, Independence, Kansas.

CLAY COUNTY FARMS. If you want a choice farm or stock ranch prices ranging from \$25 to \$75 per acre.

or address
ERNEST PINKERTON,
"The Pioneer Land Man." Kansas. Clay Center.

160 ACRES

less R. K., which runs straight through, fine second bottom, no overflow, good 6 room house, cellar, smoke house, living well, cistern, barn 30x36, 10 a. hog pasture, 50 a. tame meadow, on main road, R. F. D., tel. in house, 4 miles to good town, 2½ to R. P. town, 1 mile to school, a snap at \$40. Don't wait to write, but come at once. This is too good to keep. SEWELL LAND CO., renett, Kansas. too good to ke

LABETTE COUNTY BARGAIN.

175 acres 2½ miles from a good railroad town, in fine productive farming country, 100 acres in cultivation, 8 acres under hog fence, balance pasture; ¾ mile from school, on R. F. D., telephone, good 4 room house, good barn, large granary. Price 355.00 per acre. Call or write for other good ones.

THE BOWMAN REALTY CO., Coffeyville,

FOR SALE CHEAP.

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

McDonald,

KANSAS LAND

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
combast FRIZELL & ELY, Larned, Kan.

NESS COUNTY LAND.

NESS COUNTY LAND.

320 acres 10 miles from Ness City, 100 acres in cultivation, 4 room frame house, barn, well and windmill, some good alfalfal land, place is all fenced, land lays good and in good locality. Price \$16.00 per acre: \$2,000 cash, three to five years time on balance.

LOHNES & CASON, Kansas Ness City,

SCHUTTE & SHINEY, the Rush county, Kan., real estate hustlers, 30 years in the same old place. Good farmers raised from 26-to 47½ bushels of wheat per acre here last season. We can sell this land at from \$20 to \$35 per acre. Good improved ranch land, ½ 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.

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 getrich here; so will you. Prices \$30 and up. Write us, information free. List your stock of merchandise for exchange.

H. H. STEWART & SONS,

Wellington,

Buy Western Kansas Land.

Should you want to buy any Western Kansas land for speculations 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.

Minneola.

Good Bargains

Six room house. Eighty acres of valley land, balance good mow 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 \$40 acres, and several large ranches. WM. FORBES, Fall

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.

DAIRY FARM

80 acres, 30 under cultivation. Balance fine blue stem pasture; 14 of alfalfa; living water; timber; fruit of all kinds; good improvements, 1½ miles from Manhattan, a town of 8,000 people and location of the K. S. A. C. A bargain. Price \$6,500.00. Good terms. Address. BARDWELL, Manhattan. Kansas.

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 TEED & ORBISON, Jetmore, Kan., for their list of farm lands. They have something good.

EASTERN KANSAS FARM BARGAINS

160 acres Dickinson county, near Solomon and Abilene, guaranteed perfectly smooth rich land, 7-room house, barn 28 by 48, 82 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 faum, only \$9,000; 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 Ridg., 109 West 6th.
A. J. WHITE, Farm Salesman.

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. BELLEW & CO.,

110 Main St.,

Wichita, Kan.

THE BEST TOWN TO LIVE IN.

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

tages from it in a lifetime, but in nature we seek final results, leaving time out of the question.

In raising seedling trees we cannot expect much more than a reproduction of the species, and not that of the parent tree. Plants that have been subjected to unnatural conditions and surroundings, as usual under cultivation, are far more likely to show a wider range of variation in the seedlings than those growing wild in their native habitats; but even the latter cannot be depended upon to reproduce exact types from seed, in other words there is nothing certain about seedling nut trees; the large nut may produce trees bearing very small ones, the early-ripening give late ones, the dwarf trees and the precocious fruiting some of the most tardy varieties; and yet, with all this uncertainty. we stil think it best to select for planting the best nuts obtainable, i. e., the best and most promising for the conditions under which the seedlings are to be grown.

The plants will produce a greater number of fibrous roots if the nuts are planted in light, loose, but rich soil, than in a heavy, tenacious one; but with all kinds it is best to transplant when one or two years old, and cut off a portion of the tap-roots, as recommended for the hickories. When removed from the nursery rows for final planting, prune away nearly or quite all side branches, leaving only the terminal pud if the trees are not more than six to eight feet high. After final planting, where the trees are to remain permanently, very little pruning will ever be required further than to cut away oranches that may cross each other, or to shorten some to give proper form to the head. No tree in cultivation requires less pruning than walnuts.

As a genus of trees, the walnuts flourish best in deep, rich loam, rather light than heavy, and in this country require considerable moisture at the roots, and some, like the butternut, succeed best in bottom lands, near creeks and larger streams. If the soil is naturally too dry for such trees, the fault can readily be remedied by the use of some form of mulch applied to the surface of the soil around the stem after planting, renewing this annually or oftener if necessary, until the trees are large enough to shade the ground.

Walnut trees, as well as the closely allied hickories, are well adapted for roadside planting, and when set in such positions are far less likely to ne injured by insects than when planted in orchards or large groups, besides serving a double purpose, being ornamental as well as useful. They may also be planted around buildings, and where other and less valuable trees are genrally grown. There are also millions of acres of rocky hillsides and old fields which might be utilized for nut orchards, and if rather widely scattered over such land they would prove beneficial in shading the pasture grasses. First of all, however, let us have rows of these trees along all our country roads, after which it will be time enough to begin planting them elsewhere.-Andrew S. ruller, in Nut

Culture.

To Sprout Peach Pits.

In order to have peach pits sprout and come up next spring they must be frozen in the soil during the win-This may be accomplished by planting the seeds in nursery rows where they are to grow. Some peo-ple adopt the plan of freezing the pits in moist soil in boxes during the winter, planting them in early spring before they sprout. The bottom of the box should have holes bored to secure dainage. It should then be set flat on the ground in a well drained place, but where some moisture from the soil will come up through the box. A layer of moist soil can be put on the bottom of the box, then a layer or seeds, and another layer of soil, and so on until the box is full. It should not be filled to such depth that the seeds will not freeze through to the middle of the mass. If a very large quantity of seeds is to be handled so as to make the boxes inconvenient they may be piled out of doors in long windrows, with enough soil mixed with them so they will freeze well in it during the winter and an occasional sprinkling may also be necessary in a dry climate where no moisture falls. Another way of handling peach pits is to plant them as soon as they are taken out of the fruit before they dry, but many times this cannot be done. When it cannot let them dry and keep them dry and out of the sun. In the fall soak them three of four days in water or until the kernel shows it is getting wet, which may be determined by cracking some of the pits every day. When well soaked plant them in well prepared ground three of four inches deep -three inches will do if the ground is a little wet or heavy. When hand-led in this way nearly every good seed will sprout and grow.

What Style of Drill is Preferable? There is a wide difference of opinion even in same neighborhoods as to what style furrow opener is most preferred on a grain drill. One man will say that he prefers a shoe or runner, another a single disk, and still another a double disk. The Kentucky Drill, manufactured by the American Seeding-Machine Co., Incorporated, Richmond, Ind., is an interchangeable grain drill. All that is necessary is to change the furrow openers -either style, single disk, double disk or shoe, interchanging on the same machine. It matters not what style drill a farmer prefers, or in what section of the world he lives. he can get a Kentucky Drill—"good as wheat in the mill"—that will do his work as it should be done. The feed is really the "heart" of a grain drill, and the Kentucky hasn't got heart disease. The furrow openers play an important part, because they make the seed trenches; therefore whatever type is selected the Kentucky can always be relied upon to make the most perfect seed trench. It is fully and freely guaranteed—nothing misleading about it—just plain English—a warranty that means protection to the purchaser. Send to the manufacturers for a copy of their Kentucky catalog, then go to your implement dealer and tell him you want to see the Kentucky Drill.



Benefactor, Shorthorn. First and breed champion steer at the International Live Stock Exposition, 1909. Owned, fitted and exhibited by the Kansas State Agricultural College.

KANSAS LANP

200 ACRES IN Marshall County, Kan., three-fourths mile from town, 100 acres in second bottom land, 160 acres in cultivation, balance pasture, 7-room house, cellar, small barn, cattle shed, hog house orchard, well and windmill. A bargain at 390 per acre. Good terms, SUMMERFIELD REALTY CO., Summerfield, Kan.

CLAY COUNTY, KANSAS FARMS are my specialty. Own a farm where good things abound. Call or write for my list be-fore you buy. Tell me what you want. I an get it for you.

GRO, A. BIGLER, Clay Center, Kan.

800 ACRE BARGAIN IN NESS COUNTY, KANSAS.

Only 1½ miles from Ness City, all in cultivation and will all be sown to wheat and ½ crop goes to purchaser. Price for a short time \$25 per acre. Look this up, a senuinc bargain. Let us send you our land list. KIRBERG & MILLER, Ness City, Kan.

FARMERS, BUY LAND WHERE IT PAYS
RETURNS,
640 acres, 11 miles from town in famous
Cheyenne Valley, perfectly smooth, choice
land. This section will sell for \$20.00 per
acre within 12 months, Get busy if you
want it at \$13.00 per acre. Cash.
W. O. FALLIS,
St. Francis.
Kansas.

St. Francis,

St. Francis,

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, 85 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.

KINGMAN COUNTY LANDS

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

Hodgemen County Lardes

Choice wheat and ranch lands. Write for price list and country map.
F. M. PETERSON,

Jetmore. Kansas.

COWLEY COUNTY FARM

440 acres, 11 ml. from Winfield, 5 miles rom Townsend. 160 acres cultivated, baince blue stem pasture, living water, good ulidings, orchard, alfalfa, prarie hay, fine rain and stock farm. Price \$13,500, good

CHAS. N. PAYNE, Hutchinson.

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.

NESS COUNTY LAND.

34.000 will buy a quarter section of fine smooth land % 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,

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.

\$3,000

Will buy 80 acres in Anderson county, Kansas, three miles from Mont Ida, three and one-half miles from Welda and six miles from Colony. All second bottom land, no overflow. A good 4-room cottage. Will need a little repair. Part down and terms on balance. We have land ranging in price from \$30 to \$60 per acre. Write EBERT C. SIMON, Garnett, Kan.

BARGAIN IN WASHINGTON county land, 430 acres creek bottom under cultivation, 4 miles from Washington, 1 mile to school, 2 sets of improvements, good water. Frice \$55 per acre. W. J. GORDON, Washington Washington Washington ington, Kan.

MONTGOMERY COUNTY FARMS. Montgomery county is second in populafor list of choice farm bargains and prices.

W. J. BROWN & CO.,

Independence,

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 P. D. STOUGHTON, Madison, Kan.

RICE COUNTY FARM.

160 acres, 5 miles Sterring, new 7-room house, barn 32x40, 20 acres alfalfa, all good corn, wheat and alfalfa land, 80 acres in wheat goes Price \$15,000, good terms.

Other bargains.

W. W. BARRETT. Sterling,

A HOME.

For you at a bargain price, 320 acres fine level land. For particulars write to WINN REALTY CO.. Kansas.



Duroc Jersey Sale

at Danville, Kansas January 6th, 1910 **50 Head Richly Bred Duroc Jerseys**

Three tried brood sows, sired by Buddy K. IV, 2 fall yearlings by King Col. and out of a Model Chief Again dam, 2 fall yearlings by Tip Top Notcher and out of a daughter of Buddy K. IV, 40 spring gilts by Buddy K. IV and Tip Top Notcher and out of such sows as Buddy K. IV, Gold Cloud Model, Model Chief Again and others of like breeding. Most of the sows and gilts are bred and safe to a son of Ohio Chief and King Col's. Sale held under cover at farm near Argonia. Kan King Col's. Sale held under cover at farm near Argonia, Kan. All trains met, free transportation to farm. Send for catalog and come to my sale. Send bids to C. W. Devine, representin Kansas Farmer. Auctioneer, Col. Lafe Burger, Wellington, Kan.

H. E. FISHER. Danville, Kansas

DAWSON'S Brood Sow Sale

OF EXPANSION—BIGGEST OF THE BIG KIND-POLAND CHINAS

Fair Grounds Pavilion, Topeka, Kan., Jan. 13, 1910, (Afternoon)

35 big type sows by and from the home of the old "king of big type" Expansion, Collossus 29077, the grand champion Topeka, 1909, and sire of first prize herds Nebraska, Kansas and Missouri State Fairs, 1909; Grand Look 38305, the champion of three states; Massive 71653, an Expansion boar with great finish and other Expansion and Grand Look crosses, the cross that has size, bone, with show yard finish. "Old Expansion is dead and this is one of the last chances to get a daughter of pansion is dead and this is one of the last chances to get a database one of his line of breeding. Twenty of these sows by Collossus, Massive, and are yearlings, safe in pig to King Massive, a 1,000 pound prospect, Expansion Dee 53421, a brother to Expansion Dee 37198, the 1,120 pound boar, Defender 54201. These sows weigh near 500 pounds sale day. Fifteen gilts are early spring farrow, weigh from 250 to 350 pounds sale day and are by Expansion, Grand Look, and their crosses All bred and all safe. We invite the best hog men in the country to come and see the best offering of the biggest of the big kind. We will also offer five young summer herd header males. Our winnings 1909: Nebraska State Fair, first aged boar Collossus, first young herd by Col. lossus, also bred by exhibitor and get of boar, produce sow. 1909 at Topeka we won all firsts in class and all championships showed for on Collossus, the aged sows with him and his produce. Only first got away in that class we had no exhibit. At St. Joe stock show we won six firsts and eight championships. At Missouri State Fair 1909 two firsts and four championships on young herds by Collossus, himself not being shown. Send for catalog. Guarantees and pedigrees given

Col. Z. S. Branson, auctioneer.

H. C. DAWSON & SONS

Endicott, Nebraska

Good Crops Ghase the Cow. Harly in the season we began to see reports in the papers that crops were short, and that farm animals would be cheap this fall, because many farmers would not have nearly enough fodder to winter their usual number. But those who have looked for cheap horses or cheap cows have looked in vain. A good big young farm horse brings \$200 just as readily now as he did last Spring, before the crops were in the ground, and milch cows seem to be trying to emulate the one in the nursery rhyme, and "jump over the moon." so far as prices. so far as prices go. moon,

It does seem a little queer about horses: I think it was about 12 years ago that I sold a splendid eight-year old 1,200 pound farm horse for \$100. At that time we were told that horse would never be high again. Bicycles, automobiles, and electric cars, to say nothing of gas engines, were to drive horses off the face of the earth—ex-cepting the few that the farmers would use. Well, that same eightyear-old horse that I sold for \$100 12 years ago sold for \$100 in his 20-year, old form last year, and the man who bought him knew his age at that. I think that the reason for the seeming absurd price for horses is the fact that the country is growing at a tremendous pace, but like some colts, it is growing "one end at a time." That is, most of the immigrants and a good many of the farm-raised men have gone into the manufacturing centres, and have left the comparatively few farmers to "feed the multitude." it is true that the manufacturer has turned out all kinds of machinery to help the farmer, but these machines are mostly operated by horse power, so that on a tarm that used to keep two or three horses we now find five or six, and the funny thing about this keeping of a lot of animals on a farm is, that the more one keeps the more one can keep.

The Growth of the Silo.

If you had told the farmer 20 years ago that he could go into his cornfield when the stalks were green and the ears immature, cut the feed and store it without curing, you would have been laughed at. Today this is being done on many farms. In 1888 the Department of Agriculture was able to find only nine silos in the country. Now they are as common as barns in many sections. Almost every dairyman in New York who has 10 cows has a silo. They are numerous in other Eastern states. The growth of the silo has been slow. There have been several reasons for this. In the first place, exorbitant claims were made for it at the start. Its enthusiastic advocates thought that if the farmer would build a silo all his feeding questions would be settled. Silage was the whole thing, and it would furnish feed for every thing on the farm. Moreover, it would furnish such an abundance that the farmer with a silo could support much more stock than the one without. The growth of the silo has been retarded by the unsuccessful experiments of plungers. In every neighborhood you will find some men who are a little more rich in money than in good judgment. These fellows started out when they first heard of the silo, and many of them failed because they did not stay by their proposition. Anything new must be tried out before it can be successful. The man who gives up an experiment at the first appearance of failure is not going to be successful himself and will work a hard-ship for others. This is the kind of men who built the first silos. We have had cases reported to us of silos that were built and proved unsuccess-Some of them were not strong enough to stand the pressure, and some were not air tight. For various reasons there have been failures and the men who built them have been free to decry the silo proposition. They have injured their own prospects and have given the industry a set back in their neighborhood. Another reason for its slow growth was the kind of silos that were first built. The majority of these were square hins built inside the barn. Although they were better than nothing they were not the most desirable because it is not so easy to pack silage thoroughly in a square building as in one that has no corners. The quality of the silage depends upon your ability to keep all the air out. If the silo has corners there are chances that air spaces will be left there and the silage In the immediate visinity of these

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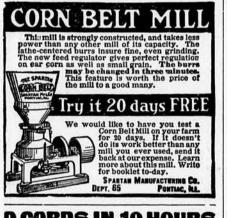
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spoils. The round sile can be packed well at the edge and it will settle of its own weight in the middle.

In spite of all these drawbacks and handicaps the silo has flourished and it is now in the first stages of its career. Its success and its popularity from this time on will unquestionably grow with leaps and bounds. The silo is a building that must be upon every farm where dairy cattle are kept.

Life in the Ozarks.

in the past two years the most renarkable development in the dairy industry in Missouri has been in certain sections or the Ozark region of southern Missouri. The sentiment in favor of this business has been strengthened to a marked extent by the unusual success of the Hosmer farm near Marshfield. It is a revelation to any one to see fields that a few years ago produced 10 bushels of corn per acre and that could be bought for \$10 or \$10 an acre, now worth more than \$75 and producing 75 to 100 bushels of corn per acre. The writer had the good fortune to visit this farm recently and found the Hosmers to be doing even more than was anticipated from their wide reputation. When Mr. Hosmer and his son moved on this land some 17 years ago the portion then in cultivation was said to be worn out by continual corn growing and would not grow over 10 bushels of corn per acre. During the past 5 years the yield of corn per acre on the same land has been from 70 to 100 bushels on an average, and smaller fields nave averaged over 100 bushels. Alfalfa is grown on these rich fields with good success. At the time the writer visited this farm 79 cows were in milk and the daily production of butter was 81 pounds. The butter made on this farm has been marketed in Springfield and southwest Missouri for many years, where it commands the highest price. A large drove of hogs is kept on hand all the time to utilize the skim-milk. This fall a new concrete block silo, which is the handsomest structure of this kind the writer has ever seen, was built. Among the dairy cattle are found pure-bred Jerseys from some of the best herds in Missouri; milk records are kept of each individual cow in the herd in order that the inferior ones may be detected and sold. The income from the herd is sufficient to show that the animals must be well selected and well cared for. According to the pro. prietors, this herd has in recent years averaged them about \$90 per cow every year. Six married men are employed regularly, a house being provided for each on the farm. All the feed is grown on the farm except some grain, especially bran, which is purchased. Last year after paying for lapor and feed, father and son divided \$5,500 for their work, wing in addition practically their entire living from the farm. This wonderful result has been brought about by intelligent farming. The fertility of the soil has been increased by the application of barnyard manure until the crops are fully five times as much as the farm produced in the beginning and are

still growing better.

Not only has this family found dairy farming in the Ozarks a financial success, but they have also found it possible to have a comfortable home. Two daughters of this family graduated from Vassar College and the son and present manager was a student at the University of Michigan. the younger gene family are graduates of the University of Missouri, and one is now a student in the agricultural college. This farm has already been a stimulation to many Ozark farmers. The only regret of the writer is that this farm and what has been done there cannot be seen by every farmer in south Missouri.

Prof. C. H. Eckles of the Missouri Agricultural College announces that proper feeding during calfhood will increase the percentage of butter-fat given by the cow. Heretofore this was thought to be impossibe by any means.

While a good grade cow is a profitable milk producing machine she only brings profit from one source as you cannot sell her calf for breeding purposes. By using the pure bred dairy cow you have three sources of income, her milk, her calf and her manure.

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Will you take a little friendly advice, Mr. Hog Raiser, from one who wants to see you increase your pork profits?

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Just keep a supply of "MERRY WAR"
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Save Those Fat Sides and Shanks

You know very well what it means when a hog loses interest in li.e and slinks around, with a vacant stare in his eyes, appetite growing less as he gets thinner and thinner every day.

Right here is where you want to get busy, Mr. Hog Raiser, if you want to save your carefully nursed profits in flesh and fat. For you'll never—NEVER —"cash in" on those fast vanishing sides and shanks, unless you quickly prevent Mr. Ailing Hog from passing in his checks and becoming food for the rendering vat instead of prime hams and bacon for the breakfast table.

"Merry War" to the Rescue

Now, don't blame the Sick Hog! Cure him! Help him and fatten your pocket-book—by using "Merry War" Lye, the only absolutely unfailing, sure specific for worms, cholera and all hog troubles. And remember this: "An ounce of prevention is worth a pound of cure," when it comes to the matter of hog

health. Don't wait until your hogs are down sick, but keep them well.

It's your fault, if they are not always in prime condition, because it's simply a matter of a little common sense and a little "Merry War" Lye. You supply the sense and the nearest dealer will supply "MERRY WAR" at a cost so small that you'll never even notice it!

Just Try This

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. In a few days see marked improvement in your hogs. It cleanses the system, tones the digestive organs, puts sick hogs in prime condition and renders them immune from contagious diseases. This trial will convince you and the expense is too trifting to think about.

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"Merry War" Lye comes in 10c cans, or 24 for \$2.00, at Grocers' or Druggists'. Ask for it today sure.

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Ten, 2, 3 and 4 year old sows, the best I have ever owned. Would not be for sale for any reasonable price if I did not need the money.

Thirty spring yearlings as good or better than their dams. Big, smooth and prolific. They have paid for themselves and go into new hands just in the prime of life.

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Ten fall yearlings of proven worth that have made me money.

I have ever known since I have been in the breeding business. Six spring gilts, selected ones, they demonstrate fully the great principle that like begets like. Size and quality can only be combined by proper mating.

Everything bred for February and March farrow. Fifty per cent to the eight hundred and ninety pound out cross sire, Collossus. The others to the noted Expansion boars, Bell Metal and What's Ex. This is my greatest sale and includes sows sired by Bell Metal, What's Ex, Expansion rince You Tell, Expansion See, Di Hutch, Gold Metal, Highland Prince and Nebraska Jumbo. This is a select offering and will challenge admiration of all good hog men no difference whether their hobby is size or quality. This offering has both. Free entertainment and transportation to farm. Write for catalog. Mention this paper.

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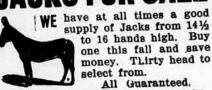
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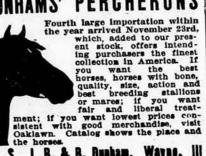


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20 head of the best aged jacks that you ever saw together; 20 head of the best breeding jennets that you ever saw together, and now in foal to the World's Grand Champion Jack, Orphan Boy 696.

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150 REG. STALLIONS of the very choicest of breeding and individuality.

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Jack and Jennet Sale Fairview Stock Farm Thursday, Mch. 3, '10

25 big Mammoth Jacks, all good bred and all good breeders, including Tennessee King, grand champion of the world, 12 head 15½ hands and up, 20 head 15 hands and up, 5 head 141/2 hands and up.

15 head of big Mammoth Jennets, a grand, useful lot of tried mothers. All safe in the foal to the best jacks in the state.

An extra well bred bunch of big black jacks and jennets. Jacks that weigh 1,200 pounds, jennets as good as the best. We breed 'em, we grow 'em, we show 'em, we buy 'em, we sell 'em.

Send for our great illustrated catalog. We can please you. You are invited to attend this sale.

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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; aithough 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 3rd and 5th. They are all for sale at very reasonable prices. Every one fully guaranteed. Terms to suit. Life insurance furnished.

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On main line C. & N. W. R. R., 25 miles N. W. of Omaha, 8 miles east of Fremont, 12 passenger trains daily.

Kansas State Agricultural College

Poultry Institute and Show. During the week following Christmas from December 27 to January 1 the poultry department of the Kansas State Agricultural College will hold its annual Institute and Show in connection with the big Farmers'

Last year the institute was well attended and proved quite a success, but this winter it is intended that it be still better. Professor H. C. Pierce, in charge of poultry at the Iowa State College, has consented to discuss the incubation question on December 31. Mr. R. C. Lawry, formerly an instructor in the poultry department at Cornell University and now manager of the Yesterlaid Egg Farms Company, of Pacific Missouri, will discuss the question, "Can a poultryman breed for fancy and utility at the same time" on December 30, and "Artificial Brooding" on December 31.

Several practical poultry breeders from over the state will assist in the discussions of Housing on December 28, Feeding, December 29, Breeding, December 30, Incubation and Brooding December 31, and Diseases, January

These discussions will all be informal and a question bov will be held each morning. Practical or fancy judging instruction will be given

daily.

The poultry show which will be held in the Armory in connection with the institute ought to be a good drawing card. Birds will be on exhibition which can be used for judging, 'he quality of which will be first class. The premiums for this show are as large as any show in Kansas, with a possible exception of the state show, and the entry fees are much lower. No better place to advertise stock and also help towards improving the poultry industry will there be than at Manhattan, December 27 to January

Resetting an Orchard.

It would do no harm to set young fruit trees in the holes where the old one are taken out, but, other things being equal, it would be just as well to dig new holes in the spaces between the old trees after they have been cut down or pulled up. Answering a similar question. The Rural New Yorker advises digging a wide hole two feet or more in diameter and 8 to 12 inches deep, as may be needed, placing the rich or top soil in one pile and the subsoil in another. Cut out all broken or injured roots from the trees to be set, and freshen the ends of the sound roots with a slanting cut from below upward, so that the fresh surface will rest on the soil. When the roots are in their natural position, set the trees in the center of the hole and carefully fill in around the roots with the best of the top soil taken out, sifting it from the edge of the shovel and working it between the rows with the fingers, shaking the tree meanwhile to get the earth in every crevice between the roots. When the roots are fairly covered, tramp firmly, then fill in with the poorer or subsoil, tramping it firmly as it is put in place. The tree when set should stand little, if any, deeper than it grew in the nursery row. The firmed earth should be banked up around the tree to shed water. About a third of the top should be cut, taking out weak and unnecessary limbs, shortening in the good ones so as to balance the top with the roots that have been cut away. It is a very good plan to scatter a pound or two of good commercial fertilizer around the tree after it is set, lightly working it in the soil, or

mulch the trees with a wheelbarrow load of coarse barnyard manure. This keeps the ground moist and furnishes the young tree with all the fertility it needs until the growth has made some

It's not enough to know that a cow is profitable. You must know how profitable she is.

There is a vast difference in cows and it's the dairyman's duty to find out the difference.

When you build or repair your cow stables remember the cow. It is her comfort that must be considered before your own convenience.

In order to secure good quality in the milk pail good quality must be placed in the feed rack. This is especially true in regard to hay. Stack bottoms and tops may do for feeding cattle but the dairy cow should have the best.

A cow needs a change of feed just as much as does her owner. How often you feel badly and not able to do your best work just because your food did not suit your requirements. Think of this proposition in connection with the milk cow. There is money in it.

PERCHERON HORSES, HOLSTEIN-FRIE-SIAN CATTLE. Up-to-date Poland China hogs. Write your wants.

H. N. HOLDEMAN,

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 chraska. Write for private sale catalog. CLARK BROS., Auburn, Neb.

STALLION AND JACKS FOR SALE

Young Percheron stallions, home bred, and Mammoth jacks for sale.
SOUTH ATHOL STOCK FARM, O. A. Scott,

STALLIONS AND JACKS Several Kentucky jacks from 15 to 16 hands high. One mile from town.

BRUCE SAUNDERS,

M. H. BOLLER,

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. W. of K. C., 65 miles W. Free for asking if Kansas Farmer is mentioned. M. H. & J. O. ROLLER, Circleville, Kan.

Imported Percheron Stallions and Mares 50



Ton stallions, blacks and grays, selected for the best trade. Handsome animals, nothing but imported horses handled, of the best breeding, terms, insurance and

LAKEWOOD FARM

The Greatest Breeding Establishment in the World.

Calypso, the world's champion, at head of stud. Sensational show record: 30 prizes avarded Lakewood Percherons at International 1909, 12 of which were firsts and championships, a record never before equaled by any one other exhibitor. In addition Lakewood Percherons won 155 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.

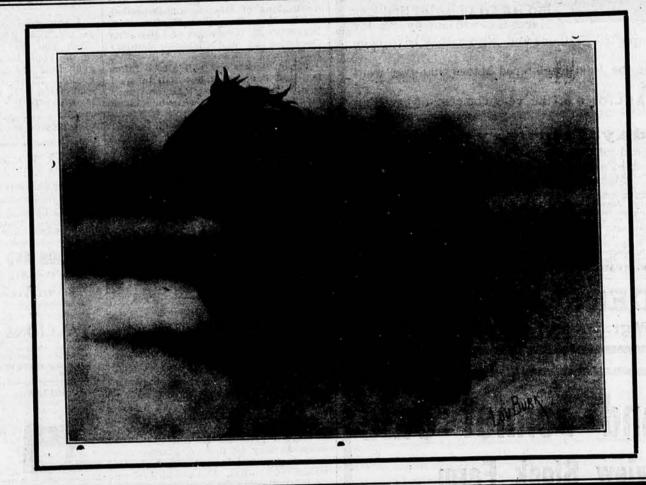
H. G. McMillan & Sons, Rock Rapids, Ia.

Branch Barns, Sloux City, Ia.

Great Falls, Mont.

Kansas Farmer ads Bring Results

PERCHERONS, SHIRES, BEL-GIANS, COACH IMPORTED & AMERICAN BRED STALLIONS



WE HAVE a fine herd to select from. Our horses are the best we could buy. You will always find from 35 to 100 head STALLIONS and MARES on our ranch at all times and we cordially invite your close inspection. We have been in the business for 25 years and we know what we are talking about when we say that we have the best lot of horses, barring none, that was ever assembled under one roof in this state. If you will come and inspect our stock and if it is not as represented we will pay your expenses to and from our barn.

We do not handle any imperfect horses. We do all of our own buying and selling. All of our horses are bought under personal supervision, and therefore we guarantee every horse as represented. To Prospective Buyers.—It will save you money to write us or come to our ranch before buying elsewhere. We are located near ELMDALE, KAN. Our ranch consists of 1600 acres, and we are here to All of our horses are sold on our ranch, with an absolute guarantee, and priced reasonably. We are here to please the most critical buyer. Write at once or come and see us.

L. R. WILEY & SONS KANSAS ELMDALE,

COLORADO LAND

COLORADO LAND

COLORADO LAND

Vhy 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 death of from 10 to 50 feet. 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

Colorado Land Snaps

Colorado is strictly in the limelight. Now is the time to buy for the certain rise in prices. We quote:

Colorado is strictly in the limelight. Now is the time to buy for the certain rise in prices. We quote:

4,600 acres, fair rancu improvements; running streams; shallow water for domestic use or irrigation may pumping; level land; excellent soil; at only \$\$ per acre; half cash. Better investigate this it you want a big buy.

3,400 acres sub-irrigated; water shallow and easily raised to the surface for ditch irrigation, and plenty of it; level land and good soil; only 25 miles from Denver, \$15 per acre.

1,250 acres, nice level land; 2½ miles from main line railroad station; \$\$.50 an acre; easy terms. This will sell for double in two years.

320 acres, six miles from Denver, and 160 acres four miles from Denver, at \$15 an acre; easy terms. This will sell for double in two years.

160 acres, four miles out; level, sandy loam; fenced one side; a great big bargain at \$15 per acre; won't last long.

170-acre improved valley farm, \$6,500.

470-acre improved mountain farm, \$2,000.

Three fruit farms in the justly celebrated Faonia section of Delto county, Colarado; sure crops of the finest fruit raised anywhere in the world; frost does not bother; water rights A-1; fair improvements. One man owns all these three paces, is getting old and wants to sell, and in order to do so makes prices just one-half less than neighboring places are selling for. Eighty acres, 1,000 four-year-old Jonathan apple trees; 700 Elberta peaches, apricots, cherries; besides some old orchard in full bearing; berries, grapes, currants, gooseberries; 18 acres alfalfa; 13 acres grain land, oak grove around house, running spring that supplies kitchen and milk house, price \$10,000; half cash, balance easy. Eighty acres, 356 Elberta peaches and 125 Jonathan apples 3 years old; 487 winter variety full-bearing apple orchard; 3 acres alfalfa; price, \$6,000. One hundred and sixty acre ranch, 1,500 apple trees—mostly Jonathans, over one thousand Elberta peaches, various other kinds of fruit and berries, alfalfa, etc.; 2 sets farm improvements; some live st

IRVIN L. RICHARDS

405 QUINCY BUILDING

DENVER, COLO.

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 filing.

THE WESTERN LAND CO.

Sterling,

Colorado.

Kiowa County, Colo., Land.

 $12,000~\rm acres$ 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 description.

ALBERT E. KING,

McPherson, Kansas

CANTALOUPES, SUGAR BEETS, ALFALFA.

LIVE STOCK.

ROCKY FORD irrigated, improved ranch
140 acres 1½ 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. F. Delivery, telephone
etc., \$ 75 per acre, terms. Call or write

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

IRRIGATED LANDS in the famous Soutar 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 160, all in alfaifa, \$100.00 per acre. Will rent for \$10.00. Fine one-half section at \$75.00 per acre. We nave 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.

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 preat 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 or 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 1886) Colo.
The Lone Wolf Real Estate & Investment
Co., Lone Wolf, Okla., composed of Messrs.
T. McInturf and O. C. Hartzog, prominent
and successful business men of Klowa county start an advertisement in this issue.
They have exceptional bargains in wheat,
oat, alfalfa and cotton lands. Any of our
readers, who are looking for a home or an
investment, should look up the advertisement in this issue and write for further
information

COLORADO LAND

BIG CROPS

Grown on Eastern Colorado Land

1500 iarmers settled in Cheyenne county recently. The county is fast settling up. The investor should buy now. The homeseeker should secure a home while LAND CAN BE BOUGHT AT

\$10 to \$15 an Acre on Easp Terms.

Modern School Facilities. High School and Manual Training.

Cheyenne Wells, the county seat of Cheyenne county, is keeping pace with the development of the county. Just completed a \$30 000 court house and a \$15,000 high school without bonding the county.

Telephone System. Rural Free Mail Delivery.

A County Agricultural Society was formed last spring and a very successful fair was held this fall.

Come and see the crops grown on this cheap land. A trip to Eastern Colorado is always pleasant, especially so in winter. Delightful weather, pure water.

Land is seming rapidly and prices will advance fast. For further in-

The Cheyenne County Land Co.,

CHEYENNE WELLS.

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

J. B. TRAXLER, LAMAR, COLO.

Colorado Lands and Snnshine

If you are looking for a nome, investment or health, where the climate is perfect, where there is best class of people, churches, schools and no saloons, warer there are thousands of acres of cnoice 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. Colorado.

A SNAP—EASTERN COLORADO.

220 acres, adjoining the town of Kit Carson, Cheyenne county, as fine as can be found, practically level, an unlimited supply of good water at 12 to 15 feet, soil A. No. 1, good improvements, place all fenced, immediate possession given if desired. Adjoining the town as this does makes it a very desirable location. Owing to the ill health of the owner it can be bought at a very low price if taken promptly. Don't delay if you want a bargain. Terms if desired.

F. E. EWING

F. E. EWING,

Colorado.

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 equality well on tnese low priced sub-irrigated lands. Map of Colorado and alfalfa literature, sent free. Ask COLORADO FARM LAND ASSOCIATION, 279 Dearborn St., Chicago, Ill.

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, spetz, potatoes and alfalfa grow abundantly on upland, without irrigation; in a county rapidly settling and being im proved 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 & MacDONALD, Otis, Colo.

320 a. Homesteads Choice farm and ranch land bargains in Washington Co. Write or see Sigel Johnson, Akron, Colo.

WHERE THE GOOD CROPS GROW.

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 scientic farming is an established success, without irrigation. Come, let us show you or write for information to

J. L. Miller & Co., Yuma, Colo.

"A FREE RIDE TO COLORADO."

MUNTZING PAYS THE FREIGHT...
FARMS, SHEEP, and also CATTLE AND HOKSE RANCHES.
I own 40,000 acres of choicest lands in Washington and Yuma Counties, and am offering both improved andraw 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.

LAND BARGAINS.

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

HENRY M. CHASE LAND CO. Denver. Colorado.

ALL OF ONE SECTION.

640 acres, 5 miles from town, most all fenced, 160 acres in cultivation, nice laying land but 100 acres, small house, barn and wind mill, \$12.50 per acre. Investigate this and many others of our bargains in farm and ranch lands, \$10 to \$40 per acre.

YUMA COUNTY REAL ESTATE CO., Colorado.

NEBRASKA LAND

DON'T MISS THESE LAND BARGAINS.
320 acrc, choice farm, Hayes Co., Neb.,
7½ miles from Fallisade, smooth, best of
soil; 200 acres to wheat; 1-3 rental, good
4-room house, well, windmil, 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, artaifa and corn
land; balance good pasture, timber and living water, \$20 per acre. For other good
land bargains see or write us. SMITH
BROS., Palisade, Neb.

PLATTE RIVER VALLEY BARGAINS.

PLATTE RIVER VALLEY BARGAINS.
718 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 fênced: choice land and offered far below actual value at \$30 per acre, for short time only.
320 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 truit. 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.

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
land, 8 mi. to sta., all good land. Price
\$25 per a. Will consider exchange for some
good income property or castern farm land.

320 a., all level, only 5 mi. to Alliance.
Price \$20 per acre. 160 a., all level and
good, 10 mi. to town, only \$12.50 per acre.

Other choice bargains in all sized tracts,
at \$12.50 to \$25.00 per acre.

DINEEN, RUBENDALL & YOUNG,
Alliance.

NEBRASKA LAND

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,

Nabraska.

Fairbury,

WE SELL 6 PER CENT FARM LOANS.
Loans on Nebraska farms, Flatte 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.

Neb.

FINE NEBRASKA FARM.

good improvements, good orchard and 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 DIRT.

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 also have for sale good farms from 160 acres up; write me.

S. STEINMANN,
Wannets.

Nebraska. Wauneta,

ALFALFA LANDS.

All lands in Webster county, Neb., will grow the finest alfalfa, three and four crops every year. We want to send you illustrated matter regarding this beautifus, prosperous county. We have a snap for a quick sale on a half section with 35 acres alfalfa now growing, 135 a. cultivated; finely improved. Write for particulars. RED CLOUD REAL ESTATE CO., Red Cloud, Neb.

Janu

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. Write 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, Nebaska.

CHASE COUNTY, NEBRASKA.
Farms and Ranches for Sale.
Ranches from \$5 to \$12.50, good level farm land from \$15 to \$30 per acre, where wheat makes from 15 to \$70 bushels per acre and corn from 20 to 50, hog cholers unknown, the undersigned has lived here 2 years and can prove the above statement to be facts. We have the lands for sale and automobiles with which to show it. All inquiries answered. Mention this paper and call on or address.

BONNER & JOHNSTON,
Imperial, Nebraska.

ALFALFA FARMS, DUNDY COUNTY.

160 acres creek bottom, running water, rich soil; 100 acres will grow atraifa, 6 mi. to fown, house, cave, ice nouse, parn, sheds, 25.00 per acre.

160 acre valley farm, black soil, 2 mi. Benkelman, new house, barn, sneds, well, under fence, 30 acres will grow alfalfa, irrigation ditch on land, \$30.00 per acre.

320 acres improved, divide rarm, \$20.00 per acre.

R. D. DRULINER,

Benkelman, Nebraska.

262% acre farm, in Franklin Co., Neb., 9% ml. from Bloomington Co. seat. About 200 acres choice bottom, alfalfa and cornland, 60 acres good pasture, fair improvements, fine spring, never falling water, from hill, 30 feet above level of house and harn 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, weit improved. Several quarter sections and larger and smaller farms that are bargains. For information see or write

WM. ANDERSON, Franklin, Neb.

WM. ANDERSON, Franklin, Neb.

TWO SPLENDID FARM BARGAINS.
400 acre farm in Red Willow county,
Neb., 2½ miles from McCook, good 8 room
house, good barn and other good improvements; 160 acres choice valley alfalfa land,
65 acres now growing. 100 acres bottom
and 40 acres upland, cultivated, balance
pasture; well watered, some timber and
abundance of choice fruit vrees, bearing.
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, hair cuitivated, slight improvements. A splendid
bargain at \$16 per acre
For other snaps in farm and ranch lands
write or see

ACKERMAN & STEPHENS.
McCook, Nebraska.

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?

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,

. 42 Chamber of Commerce,

SAN ANTONIO, TEXAS

Jacks and Jennets Close to Home.

This week we start advertising for M. H. & J. O. Roller well known and successful jack and jennet breeders located at Circleville, Kan. The Rollers are offering for sale 34 head in all 14, of which are big heavy boned black well broken jacks. 20 are jennets of different ages. One of the strong arguments in favor of buying from the Rollers is the fact that the jacks were bred at their present location and broke there. The buyer gets them first hands and is much more certain to buy something useful. And they can be bought worth the money, and if bought by a Kansas man much can be saved in the way of express charges. Circleville is located 39 miles Northwest of Kansas City, 65 n lies west of Leavenworth. 6 passengor trains every day except Sunday and 2 on Sunday. M. H. Roller senior member of the firm has lived at his present location for nearly fifty years and has made a host of friends by his honorable and business like way of doing things. A trip to the little town of Circleville in Jackson county will be a pleasant and profitable trip for any man interested in this kind of stock. The Rollers have issued a handsome catalog which gives description and prices of animals that are for sale. Free for asking if Kansas Farmer is mentioned.

FIELD NOTES

FIELD MEN.

..Topeka, Kan. O. W. Devine .. se B. Johnson.....Clay Center, Kan. J. W. Johnson..... Beloit, Kan.

PURE BRED STOCK SALES.

Jan. 25, 1910—W. H. Rhodes, manager, fair grounds, Abilene, Kan. Feb. 8-9, Lakewood Percherons, H. C. McWillioms & Son, Sloux City, Iowa. Feb. 15, Whitewater Falls Percherons at Wichita, Kan., J. C. Robison, Towanda, Kan.

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

Jacks and Jennets.

March 1st and 2d—Monsees & Son, Smithton, Mo.

Smithton, Me.

Feb. 15—O. P. Dovel, Auburn, Neb.

Shortnorns. Feb. 24—Glover & McGlynn, Grandview, Mo.

Holstein-Freisans. Feb. 8-19—Henry C. Glissman, Station B, Omaha, at South Omaha, Neb.

Poland Chinas. 7-B. M. Bell, Beattle, Kan. 7-J. F. Menchan, Burchard, Nebras-

ka.
Feb. 3—D. A. Welfersberger, Lindsey, Kan.
Feb. 16—B. M. Bell, Belolt, Kan.
Jan. 19, 1910—H. O. Sheldon, Wichita, Kan.
Jan. 20, 1910—Roy Johnston, South Mound,

Jan. 19, 1910—H. O. Sheldon, Wichita, Ran. Jan. 20, 1910—Roy Johnston, South Mound, Kan. Jan. 21, 1910—H. B. Vanhooser, Eldon, Mo. Jan. 22—Dietrich & Spaulding, Ottawa, Kan. Jan. 22—W. W. Martin, Anthony, Kan. Jan. 27—F. G. Nies & Son, Goddard, Kan., sale at Clearwater, Kan. Feb. 5—J. H. Hamilton & Son, Guide Rock, Neb. H. Hamilton & Son, Guide Rock, Neb. 11, 1910—C. S. Nevius, Chiles, Kan. Feb. 12—D. A. Wolfersperger, Lindsay, Kan. Feb. 12—D. A. Wolfersperger, Lindsay, Kan. Feb. 12—D. A. Wolfersperger, Lindsay, Kan. Feb. 15—C. H. Pilcher, Glasco, Kan., at Concordia, Kan. Feb. 16—J. H. Harter, Westmoreland, Kan. Feb. 16, 1910—J. D. Spansler, Sharon, Kan. Feb. 18, 1910—Miller and Manderscheld, St. John, Kan. Feb. 23—G. S. Hamaker, Pawnee City, Neb. Feb. 24—C. W. Dingman, Clay Center, Kan. Feb. 25—Chas. O. Parsons, Clearwater, Kan. Feb. 25—Chas. O. Parsons, Clearwater, Kan. Feb. 25—Chas. Nelson, Neb., and John Barnard, Angus, Neb., at Nelson, Neb.

Jan. 6, H. E. Fisher, Danville, Kan.
Jan. 11—W. M. Puttman, Tecumseh, Neb.
Jan. 18, 1910—J. M. Worley, Potwin, Kan.
Jan. 24—W. L. Addy & Son, Parnell, Mo.
Jan. 27—Thompson Bros., Garrison, Kan.
Jan. 31—J. E. Joines, Clyde, Kan.
Feb. 1—Fearl H. Pagett, Beloit, Kan., and
R. G. Scilenburger, Woodston, Kan., at
Felolt, Kan.
Feb. 2—E. M. Myers, Burr Oak, Kan.
Feb. 3—Rinehart & Slagle, Smith Center,
Kan. Duroes

Homer H. Wilson, Enid, Okla., an old advertiser in Kansas papers, starts his advertising with us this issue. Mr. Wilson has been located in Garfield county, recognized as one of the best in the state, for sixteen years. Write him, if you want a home or investment.

The Whitewater Land & Loan Company, Whitewater, Kan, have an advertisement in this issue of the Kansas Farmer. Butler county, in which they are located, is one of the best in the state, corn, wheat, oats, and alfalfa produce big crops, and are making the farmers rich. This land is now selling at \$30 to \$100 per acre, but will undoubtedly bring double these prices in a few years. They have a list of bargains, and some descriptive literature, that it will be well worth your while to get.

Editor Kansas Farmer—
Enclosed find check for my advertising. I am getting lots of inquiries for the Highland Durocs both for boars and sows and it looks like there would be lots of business this winter and spring. Wishing you lots of success, I am Urank Elder, Highland Duroc Jerseys, Green, Kan.

The advertising of Hughes & Sorter of Custer City, Okla., one of the successful real estate firms of Central Western Oklahoma, starts this issue of the Kansas Farmer. This firm is composed of J. L. Hughes, who is an old advertiser in Kansas papers, and J. E. Sorter. They are located in one of the best sections of Oklahoma, where corn, alfalfa, wheat, oats, and all other staple crops produce bountiful crops. This firm is thoroughly reliable. Look up their advertisement, and write for their free list. free list.

On Jan. 21. Logan & Gregory, well known Poland China breeders of Beloit, Kan., will disperse their herd of Polands. This sale is made to close up a partnership and Mr. Gregory is retiring from the business while E. C. Logan will continue in the business at his new location which is a fine Solomon Valley farm near Beloit. There will be in this sale 10 tried sows that are just in their prime and two herd boars the balance being spring gilts bred to several different boars among which is old Glasco Chief who is a popular breeding boar owned jointly by Mr. Logan and C. H. Pilcher. of Glasco, Kan. The sale will be held at the fair grounds which is only about two blocks from either depot. Free accomodations for breeders from a distance is arranged for and the sale will be held in comfortable quarters. There are only a few Poland China sales to be held in Central Kansas this winter and it is a cinch there is nothing much in the bred sow line being offered at private treaty. So it is up to the breeders and farmers who are looking for bred sows to be on hand at this sale.

When writing advertisers please mention Kansas Farmer.

COM SE TO THE WAY I A TOWN

OKLAHOMA LAND

OKLAHOMA LAND

"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."

DULANY & RANDOL ..

Oklahoma.

FARMS IN THE FAMOUS WASHITA VALLEY.

110 acres fine river bottom. All in cultivation. A few nice pocan trees, no gumbo, sandy loam. Produce 65 nushels of corn to the acre. Finest alfalfa land, barn, but no house. Incumbrance \$2,000; long time if sold quick. Price \$50.00 per acre. Write

GUARANTEE LAND & LOAN CO.

Wynewood, Okla.

160 acres, 5 miles of Ponca City; 110 acres in cultivation \$6,000 if sold in 30 days.

TRUMBLY & BARRETT,

Ponca City,

TWO EXCEPTIONAL BARGAINS.
560 acres fine second bottom, above overflow, 3 ml. 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, 3½ S. W. Wagoner, good new 5 room
house, fair barn, nice young orchard. 80
acres cultivation, balance good nay meadow,
at \$35.00 per acre. Write for information.
W. H. LAWRENCE,
The Land Man, Wagoner, Okla.

The Land Man, Wagoner, Okia.

CHOICE ALFALFA AND STOCK FARM.
360 a., 8 ml. Elk City, 100 a. choice alfalfa bottom and no over-flow, lots of walnut timber fine soft water, 5 room house, good barn, fine pasture, 300 acres tillable, own option and must sell by Jan. 15th, \$15 per acre. ½ cash balance 5 years. Adjoining on south 160 a., all valley, all tillable-box house and barn, all subirrigated under 20 ft., 100 a. cultivated. Until Jan.
bth. ONLY \$22 an acre, all cash, except \$1700. These are bargains, we guarantee descriptions.

A. P. HARRIS, Oklahoma.

Elk City,

TEXAS LAND

TEXAS STRAWBERRIES

are ripe now. TEXAS CATTLE are grazing on green pastures. TEXAS FARMERS are planting crops, not burning and eating up last summer's profits. Come down and buy a Texas farm. We have the bargains. Write for lists TODAY.

A. C. SWANSON & CO., Houston, Texas. Mason Building,

SOUTHWEST TEXAS OPPORTUNITIES. COUTHWEST TEXAS OPPORTUNITIES.

Cood farms, dairy and stock ranches, also colonization lands, near San Antonia. Best market in the United States for farm products. Write for list. Our prices are the lowest to be had. We are agents, not speculators. Members Chamber of Commerce.

CULLAHAN-KIKBY CO., 310 Gibbs Bidg., San Antonia, Texas.

Dalhart Texas

1s where we are located and we have some we be an end we have some with 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,

NOTHING SUCCEEDS LIKE SUCCESS!
If you want to be successful come to the HEALTHIEST AND BEST country in the south west and get a farm like this.

160 acres 4 miles from Texola, Okla., on R. F. D. School close. Soll, dark sandy loam, all tillable. 50 acres under cultivation. 2 room house, sheds, well and wind-mill. 40 acres pasture fenced. Shade trees, grape and berries. Will raise anything. Two crops will pay for farm. Grows 75 pound watermelons. \$2,000. \$500 cash, bal. yearly payments. Send for descriptive book. NOTHING SUCCEEDS LIKE SUCCESS!

book.
TEXAS OKLAHOMA REALTY CO.,
Oklahoma.

MISSOURI LAND

FARMS FOR SALE in South Missouri. I have several good farms for sale on easy payments from \$5 to \$10 per acre. Please write me for full particulars.

WILLIAM BOWEN,

Houston,

CHELL WAS CHARLES TO VERNING TO BE AND THE WAS COMED T

THE OZARK COUNTRY. THE OZARK COUNTRY.

The place for home or investment. "Sunny South Missouri" Fruit belt N. W. Arkansas the best land buy in the United States. 40 acres timber \$250. 80 acres improved, \$800. 160, house, barn, orchard, \$1000. 680 acre stock ranch, best ever, \$6,800. A 2200 acre ranch, \$3 per acre. Write for what you want, we have it. Big list free Up-to-date map of either state nicely bound 15 cents postage paid. Let's do business LOTT "The Land Man,"

317 Finance Bldg., Kansas City, Mo.

Virginia Farms and Homes FREE CATALOG OF SPLENDID BARGAINS. R. B. CHAFFIN & CO., Ind., Richmond, Va.

The Kansas State University has inaugurated a new movement in the establishment of an extention course of study. In this commendable effort to extend the usefulness of this great institution its is announced that "the state is its campus." A bulletin of the correspondence study department has been issued which may be had by addressing University Extension Division, State University, Lawrence, Kan.

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

FREE INFORMATION about Oklahoma. HOMER H. WILSON, here since 1898, Enid, Okla.

OKLAHOMA FARMS.

Best county for corn, wheat, cats, alfalfa and tame grass. 80 acres \$3,500. 160 acres fair improvements, \$4,000. Write for list

of bargains. Newkirk, 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. POCHEL,

Newkirk. Okla.

Newkirk,

COME TO NORMAN, OKLAHOMA.

The educational center or Oklahoma State
University and best system of schools in
the new state. Fine farming lands at reasonable prices. Good water. Write for list
and prices.

MONNET & ZINK, Norman, Okla.

IMPROVED FARM. IMPROVED FARM.

180 acres, 160 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

J. T. RAGAN.

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.

800 BUSHELS CORN GOES with \$10 acres of the very best land for stock and grain farm in Craig county, near Vinita, Oklahoma. 160 acres in cultivation; balance hay and pasture. Price \$25 per acre. For further particulars write

LEFORCE & BADGETT,

Vinita, Oklahoms.

A CUSTER COUNTY BARGAIN.

160 acres, 2 miles R. R. station, 80 in cultivation, 85 fenced in pasture, fine water, four room house. Price \$2,800; easy terms. Many other bargains. New list free.

Many other bargains. New list free.
HUGHES & SORTER,
Custer City, Oklahoma.

VINITA,

WHEAT, OATS, ALFALFA, COTTON.
Good lands \$30 to \$60; produce big interest on capital invested. Well located near thriving and growing city. Prices and descriptions free. Correspondence abswered in either German or English.
LONE WOLF REAL ESTATE & INVESTMENT CO.,

Lone Wolf. Okla.

Lone Wolf,

KIOWA COUNTY, OKLAHOMA. wehre 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., Lone Wolf. Okla.

Lone Wolf,

FOR SALE—160 acre valley land, 10 miles southwest of Vinita, Okla. This land is level, smooth, bottom land, and will grow anything. It is located just a few miles from the Chelso oll fields, and it is only a matter of time, when the land will be developed. Price \$40 per acre. Mullen & Brecker, Room 15, Turner Bidg., Wichita, Kan.

SALE.

We own and control over 50,000 acres of choice farm lands in Eastern Oklahoma, the garden spot of the new state, that will produce successfully ccrn, wheat, oats, timothy, clover and alfalfa. Low prices, easy payments. Perfect tritles. Few farms for trade. Agents wanted. Write

COMMONWEALTH LAND CO.,
Vinita, Oklahoma.

CUSTER, KIOWA, WASHITA and other western Oklahoma counties. Lands, from 40 to 840 acre tracts, at low prices, on liberal terms. Write for new list, sent-free.

CUSTER INVESTMENT CO.,

A MONEY MAKER.

A MONEY MARKET.

160 acres, Muskogee county, gently sloping valley farm, 2 miles from town, one-half mile of school, on R. F. D., rich, dark loam soil, suitable to corn, alfalfa, oats, potatoes, etc. Rainfall abundant, climate mild. plenty coal, natural gas and oil near; a snap at \$30.00 per acre: \$1,000 down, balance 7 years. Call or write.

R. B. BEARD,

First State Bank Bldg. Muskogee, Okla.

CORN, ALFALFA, HOGS.

CORN, ALFALFA, HOGS.

160 acres, alfalfa land, all fenced hog tight, 4 miles Arapaho 1-4 mile school, on R. F. D. & telephone line, 150 acres under plow, 28 acres alfalfa, nearly all valley land, 7 room house, large barn. outbuildings cistern, well and mill; price \$8,000.00. Terms. Other farms. List and map free.

J. FRED BURLINGAME, Okla.

Arapaho,

"SNAPS" IN GRANT CO. LAND. "SNAPS" IN GRANT CO. LAND.

160 a., 7½ miles of county seat, 6½ miles of raliroad town, 110 a in cultivation, balance pasture and meadow. 30 a. wheat with farm, 5 room house and sned barn, granary, good water, 1½ miles of school, good soil, P. D.

Price, \$5,000 for 80 days.

BATTEN REALTY CO..

Nedford.

Oklahoms.

Our Club Offers Are Popular

THEY SAVE YOU 50 PER CENT OR MORE ON EVERY DOLLAR

Since running our page of clubbing offers, hundreds of subscriptions have been pouring into our office from those who have recognized the MONEY SAVING VALUE of these combinations. We have decided to run this page of club offers again this week and if you have not already taken advantage of this great opportunity to secure your reading matter for the coming year, at less than one-half price, you should do so at once. We have tried to give you here a few of the best bargains we could frame up, but we can give you any other magazine, daily paper, in fact any publication you want at greatly reduced rates in a club with the Kansas Farmer. Papers may be sent to different addresses if desired. Foreign postage is extra.

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Here's a Great Opportunity
The Kansas Farmer
Magazine, McClure's Maga- zine, Hampton's Magazine, The World Today, Technical World Magazine, Cosmopoli- tan Magazine, Pearson's Mag- azine, Sunset Magazine.
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These combinations are certainly MONEY SAVERS for you. We can give you any daily paper in the United States in any combination you wish at reduced rates. Get our confidential price on all your papers. Prices must be for clubs of two or more, one of which must be the Kansas Farmer.

Circulation Dept., Kansas Farmer, Topeka, Kan.



FRANK IAMS



Says "Huskey Ikey Horseman"—Cheer "p

Every day is "bargain day"—a "horse show day"—and a day of "profit and pleasure" at Frank Iams' "Stallion and Mare Emporium," and largest in U. S. at St.

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Frank Iams' "Stallion and Mare Emporium," and largest in U. S. at

200 KINGS AND QUEENS OF "PERCHERONS AND BELGIANS"

are all "topnotchers"—no International "tail ends"—no "euction stuff"—no pick-ups"—or "peddlers' horses"—but the best bunch of big-boned, big drafters—of quality and finish in U. S., and in the "pink of condition." Iams is the "big fly in the olutment" in the "Horse business"—He "sets the pace" for all competitors—Iams leads the procession—"you Candy Kid"—Buy an imported stallion and 2 mares of lams—the horseman that "does things"—

GET INTO IAMS' BAND WAGON

don't be "sidetracked" by any "Hammer Knickers." Mr. Ikey Boy—"Waltz me around once again" and land me at Iams' "4 Importing Barns" and Box Office—Filled to the roof with big "black boys and girls"— at bargain prices. Iams is the only horseman that really "has the goods" as advertised.

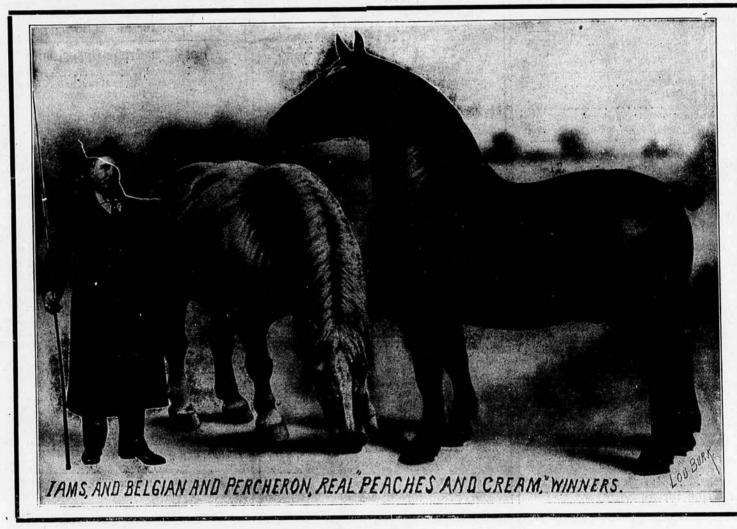
1910 promises to be the most prosperous year in history. "'Uncle John''—"Never mind who is president." "Come on down town." All the world knows Mr. Frank Iams, the big horseman. He sold sixty imported stallions and mares to "Iowa Boys" in 1909 and 185 "topnotchers" to the boys with brains in other states. Iams sells \$4,000

IMPORTED STALLIONS AT \$1,000 AND \$1,400

(some higher), imported mares in foal, 1,700 to 2,200 pound girls at \$700 to \$1,000; many state prize winners. Iams sells the "wide-as-a-wagon-kind" that don't need to be "peddled" or put on the "auction block" to "catch suckers." Iams has stood the test for twenty-seven years and is building more barns yearly. Mine son, Ikey, get Johnny wise. You try Iams, the "peaches and cream" stallion man. He is the largest individual importer and breeder of Percheron-Belgians in the U. S. Iams has a "warm spot in his heart" for all stallion buyers. He is saving farmers thousands of dollars yearly by selling stallions direct to the people, (saving them all middlemens' profits). Iams is an expert horseman, he knows the "topnotchers" and delights in selling first-class stallions at less money than any competitors. He is "pushin'-and-a-

SHOVIN'" HIGH PRICES OFF THE CHRISTMAS TREE

He is "Johnny on the spot." He is selling the stallions.



He knows the "tricks" of the slick stallion salesman that are "pulling the wool" over the eyes of the honest farmers and selling them a \$1,000 stallion for \$3,000 to \$4,000. Son Ikey| form your own "stallion company." Visit Iams' town of stallion barns filled to the roof with big, black boys, the "best ever"—"lams' kind." His 200 stallions, 2 to 9 years old, weighing 1,700 to 2,500 pounds, 90 per cent blacks, 50 per cent ton horses, are a

Horse Show Better than the International

You and your friends will not be angry with the judge, as Ianis' stallions are prize winners and sons of winners, and Iams is too big a business man and gentleman to bar you from Iams' Horse Show. It's free every day in the year and his "peaches and cream" stallions and "let live" prices have them all "skinned a mile and repeat." Iams' twenty-seven years of successful business, importing and selling stallions, make him a safe man to do business with. He sells stallions on honor.

A Boy Can Buy as Cheap as a Man

and get a better horse of Iams—the square-dealing horseman. If you visit him and don't find every statement in his advertisement or catalog as represented, you can get that \$500 that he hangs up. Iams guarantees to sell you a better stallion at \$1,000 and \$1,400 (few higher), than are being sold to farmers' stock companies at \$2,500 to \$4,000, with 60 per cent breeding guarantee, frieght and fare paid by Iams.

He Can Furnish Buyers \$1,500 Insurance

You say, "Why can lams sell better stallions at half the price of others?" lams buys and sells every stallions himself, at his horse barns, he buys stallions by special train-load, 200 at a time. He speaks the languages, saving 20 per cent. He is not in the "stallion trust," saving you \$300. He pays no "slick" salesman \$100 to \$1,000 to sell you a fourth-rate stallion. He has no two to ten partners to share profits with. He pays spot cash for his stallions, owns his farms, houses, barns, stock and stallions, He solls stallions by "hot" advertising and having the goods to make every statement good. Iams sells stallions so good that they do not need a "slick" peddler or the "auction block" to sell them.

lams Will Save You \$1,000 or More in Commissions

and middlemen's profits. Dear old dad. Buy me a pair of imported (branded mares). They will raise me colts at six months old that I can sell at \$500 and be good for twenty years. Iams has the kind that lay those "golden eggs." Don't let one of these 'auction men' "hand you a lemon" with one of those so-called American full bloods with questionable breeding. Write for Iams' Million Dollar horse catalog. Iams'

Guarantee is Backed by Half Million Dollars.

ST. PAUL, NEBRASKA.

P. TOWN

KANSAS LAND

WHY NOT BUY LAND of the owner and save from \$5 to \$10 on the acre? Land of all descriptions from \$3.50 per acre up. Send for circular and come and see us. G. N. DAVIS & CO., Cimarron, Gray Co., Kan.

N. DAVIS & CO., Cimarron, Gray Co.

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 \$6 to \$8 per acre.

Come before the new railroad gets here or

J. G. COLLINS, Ness City, Kan.

LAND BARGAIN.

560 acre improved grain and stock ranch at a bargain. Located 6 miles from Colby, Kan. A snap for some one. For particulars address.

STEVENS & RUBY, Kansas.

SIGNON VALLEY ALFALFA LANDS.
Choice corn and alfalfa farms for sale in
Barber county, Kansas. Crop failures unknown. Write for particulars and list. Ad-

WILLIAM PALMER, Medicine Lodge, Kansas

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,

A BEAUTIFUL MARION KANSAS HOME. Surrounded by 18 acres, 6 blocks high-school, same distance business section; liv-ing water and timber; improvements alon-cost over \$5000. Ideal stock or chicken ranch. Price \$5,000. Address Marion, Kansas.

IN THE COURSE OR OUR BUSINESS when the course or our business we have come into possession of \$5 acres, Morris Co., 1½ miles town, light improvements, \$5 smooth plow land, no rock, sand, or gravel; 30 rough pasture spring. Do not wish to carry it. \$2200.00; \$1000.00 cash.

BACON & BRITTAIN,

White City,

Kansas.

EASTERN KANSAS BARGAINS.

1. 320 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.

White City,

BARGAINS.

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

H. L. DWELLE & CO, Kansas.

86 ACRES LAND

adjoining town; all tillable; no improvements, \$9,000.

160 acres, well improved, 4 miles out, % mile to school, fine land, good terms, only \$75.00 per acre. JOHN E. SULLIVAN, Kansas.

Effingham,

CHAPIN & NORDSTROM,

We have for sale 6 of the best boars we ever raised. Sired by noted Col boars and out of great sows. Prices from \$25 to \$100. Among them are show prospects for next season.

CHAPIN & NORDSTROM,

Green,

FOR A QUICK SALE.

\$6 acres nice smooth valley land 6 miles south and 1 1-4 miles west of Fredonia, Kansas, with good fair 3 room house; good barn, hen house; about 50 acres in cultivation; balance pasture and meadow. Can all be cultivated. This land is well located and sheap at the price. \$30 per acre.

C. R. CANTRALL,

FOR SALE.

I effer a special bargain this week in a half section of smooth land, 1½ miles from Colby, Kansas, the county seat, all broke out and seeded to winter wheat, in good cason, all the wheat to go with the land. This wheat crop will go a long ways toward paying for the land. Price \$25.00 per acrept will pay you to investigate this by writing the owner.

INTERW CRIMIN FOR SALE.

IKE W. CRUMLY.

BARGAINS IN ANDERSON COUNTY.

157 acre farm in Anderson Co., Kan. 100
acres of choice creek bottom land in cultivation, 45 timothy and clover, 25 timber,
balance pasture, 7-room house, stable 16x24,
corn crib, granary, 1 mile to school, ruramail, price \$57.50 per acre.

360 acres, Anderson county, Kan., 4 miles
from Welda and Colony. 200 acres in cultivation,balance meadow and pasture, nice
7-room house, good barn, rine orchard,
rural mail, telephone, price \$35 per acre.
This is a splendid stock farm, zet us show
them to you.

them to you. SPOHN BROS., Garnett, Kan.

The "Atlas" Calendar.

A unique and useful calendar for 1910 published by the Atlas Portland Cement Co. will be of especial interest to farmers. In the center of each monthly page timely suggestions and illustrations call attention to various improvements which can easilly be made in concrete about the house and barns, the garden and farm. The pictures are all taken from photographs of actual farm structures, and range from a four story concrete block barn to a long perspective of neat looking concrete fence posts' Beneath the latter is printed the following pertinent suggestion: "Bulld concrete fence posts in your cellar all winter set them out when the frost goes. They're all the better for a few months seasoning and they will last as long as the farm. The calendar itself is one of the sensible made-foruse kind that can be read across a room. The figures are plain and heavy with Sundays and holidays shaded and the phases of the moon clearly indicated. A calendar may be had free of charge from any dealer in Atlas Portland Cement, or will be mailed free on application direct to the office of the company. Dept. 107, 30 Broad St., New York. We advise our readers to drop a postal to the Atlas Company right away.

Don't fail to read the ad of A. F. Oviatt, Eldon, Mo., advertising choice cockerels from prize winning stock, both Single Comb and Rose Comb. They are priced very reasonable for first class birds. Look up ad on another page and send in your order. Kindly mention Kansas Farmer.

Hampshire Boars and Bred Sows.

This issue contains the advertisement of Mr. W. H. Davis, one of the very oldest and best known breeders of Hampshire hogs in the country. Mr. Davis has a fine lot on hand and is offering for quick sale about 30 boars and a fine lot bred sows and glits write him now and mention Kansas Farmer. His address is South St. Joseph

Jersey Bull for Sale.

Elsewhere in this issue Mr. H. F. Erdley is advertising his fine herd buil Flying Fox's Pride sired by Flying Fox Imported he by the \$7,500 Champion Flying Fox. His dam was Bridgetts Pride, richly bred. He is perfectly kind and gentle. Mr. Erdley has a lot of his heifers in the hord is the reason for selling. He is being priced to sell and will prove valuable in the hands of any dairyman.

Wolf and Fox Hounds.

John F. Boeticher of Holton has choice wolf and fox hounds for saie. He has on hands constantly a pack of about twenty which he keeps for his own amusement, only caring to sell enough to keep the pack from getting too large. His are the famous Walker and Goodman strains. Anyone wanting hounds trained or untrained any age should write Mr. Boeticher at Holton, kan., and mention Kansas Farmer.

A Brood Sow Sale.

On Jan 19, H. O. Sheldon, near Wichita, Kan., will sell about 40 head of valuable, large type Poland China brood sows. These sows are bred for early spring litters to Mr. Sheldon's herd boars. This will, we believe, be a chance to buy some extra good bargains. They will be the kind that will go on and grow into money. Look up advertisement and send for catalog. Kindly mention Kansas Farmer when you write.

Last Call for Fisher Durocs.

We wish to call our readers attention to the Duroc Jersey sale of II. E. Fisher, Danville, Kan., Jan. 6, 1910. This will be one of the best offerings of Durocs to be sold ihis spring, both from a breeding standpoint and the entire lot are extra good individuals. Don't fail to attend this sale, Remember the date is Jan. 6, 1910. All parties will be met at Argonia and Danville.

Seeds.

Every farmer will be incrested in the new seed catalog just issued by R. H. Shumway, of Rockford, Illinois. It contains hundreds of beautiful illustrations and is perfect mine of information on all kinds of garden and folwer seeds. Mr. Shumway has built up an immense business by giving every customer a fair deal and selling good seeds cheap. Send for his catalog today.

Stannard Got Them All.

At the big stock show at Enid, Okla, Senator C. A. Stannard, owner of the farmous Sunny Slope Herefords, Emporia, Kansas made a clean sweep of the first, champion and herd prizes for his breed. This show was an immense one and had more pure bred animals on exhibition than were shown at several of the big corn belt State Fairs combined. The competion was kee and all the more credit belongs to Sunny Slope for its winnings.

The Kansas State Poultry Show.

The twenty-first annual show of the Kansas State Poultry Association will be held at Wichita during the week beginning Jan.

10. Competition is open to the world and a very full premium list is provided with a great array of special premiums that nave been secured by Secretary, Thomas Owen who is Poultry Editor of the Kansas Parmer. Write immediately to Secretary oven for one of these premiums lists and note the special premiums offered by the Kansas Farmer.

Of Interest to Music Lovers.

We are glad to call your attention to the annuncement of the U. S. School of Music of New York City on another page, established in 1898. This concern has secured many thousands of pupils through the reliable and careful attention which they give to their music courses. We have made special arrangements with this firm, after our New York representatives carefully investigated their standing, so that we know you will receive satisfactory treatment if you write them.

Farmers Attention.

If you would prosper diversify your crops. Every Farmer and Planter should grow better and more corn and other farm crops. Diversity is the road to prosperity and wealth. By special arrangements with this paper, the Ratekin Seed House of Shenandoah, Iowa, agrees to mail free to any subscriber, a copy of their big illustrated Seed Catalog and a sample of Diamond Joes' Big White corn. This great book is worth collars to every farmer and planter in the south. Its free to our readers. Write for it idoday. Address, Ratekin's Seed House, Shenandoah, Iowa. Box no 389. Mentien this paper when you write.

L. R. Wiley & Son.

Look up the page advertisement of L. R. Wiley & Son, at Elmdale, Kan. They have one of the largest horse ranches in Kansas. Over 1600 acres in this farm, they raise a large number each year. They sell stallions at a small profit. They can suit the most critical buyer. If you are thinking of buying a stallion or a pair of marces this spring better write to L. R. Wiley & Sons. They believe in quick sales and small profits. They now have some choice pairs of marcs in matched teams. Priced reasonable. Also some extra good young stallions both Belgium Coachers and Percheron. Write today for prices. Kindly mention the Kansas Farmer.

Jack and Jennet Sale.

With this issue Petty Bros., of Sedaila, Mo., are advertising their jack and jennet sale to be held at Sedaila, Mo., March 3, 1910. The offering includes 25 big Mammoth jacks, all well bred and all good breeders, including Tennessee King, grand champion of the world, 12 head 15½ hands and up, 20 head 15 hands and up, 5 head 14½ hands and up; 15 head of big Mammoth jennets, a grand, useful lot of tried mothers. All safe in the foal to the best jacks in the state. An extra well bred mothers. All safe in the foal to the best jacks in the state. An extra well bred bunch of big black jacks and jennets Jacks that weight 1,200 pounds, jennets as good as the best. If you are interested send your name in early to Petty Bros., for a catalog. Kindly mention the Kansas Farmer.

KANSAS LAND

KANSAS LAND

A RABE SNAP.

160 acres adjoining town, all in cultivation, good house, barn, granary, good erchard 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, Okle.

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 half a cent a line per thousand circulation, write BOY O. HOUSEL,

Topeka, Kan.

DICKINSON COUNTY BARGAINS

240 a well improved farm, 4 miles from town, 100 a. fine creek bottom land, balance slope, 20 a. hardwood timber on one end of farm, living water, 50 a. fine pasture, 12 a. alfalfa, balance plow land. This farm lays fine, is well arranged for grain and stock and is the cheapest farm in the country at \$60.00 an acre.

Write today for our booklet, "Idyls or Kansas," and a new land list, and mention this paper.

FORD & SMELTZ, Enterprize, 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 profit every year. In fruits 300 per cent. Join us on the next Homeseekers excursion the first and third Tuesdays each month. For further information address THE HEATH COMPANY.

109 West Seventh Street.

Topeka, Kan.



DOWN IN SUMNER COUNTY.

320 acres, 260 of which is Chickisha river bottom, no overflow, that mellow soil 20 feet deep and works easy, 45 acres pasture, balance in cultivation, 155 acres of which is fine winter wheat and all goes with place, 25 acres alfalfa, fenced hog tight, improvements worth \$3,000, school and M. E. church a mile, mail route and tel., over \$5000 worth products sold from place this year, corn, wheat and alfalfa. Price \$65 per acre; \$6000 can remain on place at 5 por cent. No trades. Other good ones. Wite for list. WM. HEMBROW, Caldwell, Kan.

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 fences, two sets of improvements, No. 1 seven room house, three good barns, all good condition, will care for 54 head stock, tied; never falling 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, last a life time; never falling supply natural gas to run all machinery and for light and fuel. No. 2 improvements, good seven room house, good water, good barn, 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 soid from the 800 a. is \$1,000 cash in advance each year and free fuel for house. 175 a. line 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 purchasor, 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.

R. M. DOBSON, Owner

Independence.

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.,

FOR SALE.

300 of the best farms in northeast Kansas. We also make a specialty of selling oodston Co. land; have many bargains.

Write for price list to

MANVILLE & BAILEY, Jackson Co., Holton, Kansas.

A RANCH BARGAIN.

2240 acres, 3 miles of Goodland, Sherman Co., Kan., well improved, 500 acres in cultivation. This is an estate and must be d soon. Price only \$12.50. Easy terms. For full information, write

W. H. LINVILLE.

Kansas.

GOOD FARM BARGAINS.

½ section highly improved farm, near town, in Saline County, good corn and alfalfa creek bottom land, 2 story house, large barn, first class improvements, living water in stream never dry, timber, otc. Price \$10,000. Good terms can be had, possession March lst. *0 acres good farming land 4 mi. from Lindsborg, in McPhorson County, all good sell, no waste. Price \$4,000 on good terms. Write for full particulars and latest list.

JOSEFH A. BRANDT,
Lindsborg, Kansas

Lindsborg,

Do You Know Jim Brown?
There is a man in Cleveland, Ohio, whom
he good citizens of that town refer to as
James Brown, President of the Brown
lence & Wire Company," but several hund-"James Brown, Freside Fence & Wire Company," "James Brown, President of the Brown Fence & Wire Company," but several hundred farmers in all parts of the United States call him Jim Brown, the fence man if you don't know him you ought to get acquainted, because Jim Brown is the man who started the fight against the quick-rust wire fence that so many get-rich-quick hanufacturers have been shoving off on farmers in recent years. He's the man who exposed the modern methods of "galvanizing"—which in truth is galvanizing in name only. He makes a fence which has won for liself the name "The Fence That Lasts" because it is made of heavier wires, has heavy uprights as well as heavy horizontal wires, and because 't is not only really galvanized, but is doubly galzanized. It you own land you are interested in this fencing proposition. Get out your stub end of a pencil right now and write a postal to the Brown Fence & Wire Co. Cleveland, Ohio. Dept. 39 for Jim Brown's Commen sense talk on Wire Fences. You'll be glad you did it. Commen sense talk be glad you did it.

80 acres Washington county Kansas, N. W. 1-4 of N. E. 1-4 and N. E. 1-4 of N. W. 1-4 of Sec. 36 3-2. Four roomed house, barn, orchard, and well, 65 acres cultivation, 15 acres meadow, all tillable. Rented this year for ½ hay and z-5 corn delivered to market. Close to school, a bargain for \$55 per acre. Can leave \$2,000 on this land. Will trade for residence property or hotel clear, up to \$2400 and take 6 per cent mortgage for difference on farm.

C. E. TINKLIN,

Kan.

A BUTLER COUNTY BARGAIN.

Kan.

320 a, 3½ miles town, well improved, good soil, smooth; worth \$50 an acre. Price for quick sale \$37.50. Particulars on request. Act quick. Free list.

WHITEWATER LAND & LOAN CO., Whitewater. Kansas.

15.000 ACRES FOR COLONIZATION. 15,000 acres, all prairie land, dark sandy leam soil, fine location, near Houston, suitable for farming or anything, corn, cotton, cane, alfalfa, eranges and rigs. Price \$16 per acre, terms given. Farms in Reno, Kingman, Sumner, Harper, Gray, Scott, Lane or any county, improved or unimproved. ROSE & SON,

5 Sherman, East, Hutchinson, Kan.

A QUARTER FOR \$4,000. A BIG SNAP. A GUARTER FOR \$3,000. A BIG SNAP.

160 acres, half mile to school and church, good five room house, fair stable ang granary, some timber and 80 fine botter land that does not overflow, place is leded by Kansas Natural and has been paying \$500 a year gas royalties, still good and new payment \$250 due in Feb. Belongs to heirs, must sell. Investigate this. Somebody will get a snap. No. 1 adv. last week sold. Come get yours.

DONAHUE & WALLINGFORD, Mound Valley,

WICHITA'S GOOD THINGS TO BUY.
This is 80 acres, eight miles out from this 50,000 city, and has 16 acres of bottom land now set to alfalfa and balance is good upland and in a community where the land is regularly about \$100 per acre Good six room house, barn 16x24 and shed 16x32. All in cultivation but 18 acres.

Also 146 acres, 5 miles out of town, and has 50 acres in fruit, six acres in grapes and small piece of alfalfa; land is a good all round farm for the situation here close to town as it has some good truck land on it and that is so profitable nere crose to the city.

I. B. CASE & CO., WICHITA'S GOOD THINGS TO BUY.

Wichita, Kan.

Over 103 W. Douglas,

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 Fly-ing Fox and out of Bridgetts Fride a 6 gallon cow. He is fine color and gentle. Keeping big lot of his helfers reason for selling. Reasonable price.

H. F. ERDLEY,

Hiawatha.

GUERNSEY CATTLE

REGISTERED GUERNSEY CATTLE. REGISTERED GUERNSET Of Herd headed by Eminence of Berchwood, whose ancestors have butter fat records of 668 pounds to 714 pounds per year. Herd tuberculine tested. Write for prices.

FREDERICK HOUGHTON, 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. Gilssman, Prop. Omaha, Neb.

has just one bull of serviceable age left for the present; Butter Boy Shamrock, No. 59800, born Dec. 14, '05, sire Butter Boy Pieterje 3rd, whose ARO records of dam's exceeds 20 pounds in 7 days. Dam Primus Shamrock 3rd, 62972, a fine producer and a daughter of Inka De Kol's Count De Kol, good in dividual handsomely marked.

Oskaloosa, Kan.

Oskaloosa.

SHORTHORN CATTLE

FOR SALE.

10 choice young bulls from 8 to 12 months old, part straight Scotch.

Choice yearling and short two-year-old

helfers.
Good colors, bright red, priced right.
C. W. TAYLOR, Pearl, Kan.
Address Mail R. F. D. 2, Enterprise, Kan.

ALFALFA LEAF SHORTHORNS. ALFALFA LEAF SHORTHOLDS.
Special offering of four bulls. One by
Archer 205740 out of a Victoria cow. Three
by Nonparlel Star, one a Victoria, one impe
Bedelweiss and one Christmas Gift. Also a
few choice heifers of equal equality and

JOHN REGIER, Whitewater, Kan.

RENO HERD SHURT. HORN CATTLE

Fulls in service, Forest Knight 226084 and Victor Archer 264156. Breeding stock for

Stewart & Downs, Hutchinson, Ka

Evergreen Home Farm.

Milking Shorthorn Cattle, Bred Hornless, Berkshire Hogs, Oxford Down Sheep, Bourbon Red Turkeys.

JEWEL 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.

Jewell. Kansas.

GREENDALE STOCK FARM

25 YOUNG BULLS by Imp. Ardiatham Mystery and Best of All for sale at bed rock prices. Can also offer some good Berkshire swine and Shropshire rams. Correspondence collected

pondence solicited. COL. ED. GREEN, Prop. Kansas. Florence,

25 SHORTHORN COWS AN All are bred or have calf at side. A few Good Young Bulls that I am sure will suit. Everything nicely bred and in good condition, Moderate prices, Come and see us

D. H. FORBES & SONS, Topeka, Kan. R. F. D. No. 8, Bell 'Phone 31.

Prospect Farm Shorthorns

The oldest Shorthorn breeders in Kansas. The largest herd of Cruicksnanks in Kansas. Herd headed by Vlolet Prince 145647 and Orange Commander 220590. Young stock of both sexes and some cows for sale.

Quality and prices right.

H. W. McAFEE,

Rell Phone 59-2. Topeka, Kansas.

Spring Hill Shorthorns 300 Head Sootoh and Bates Pedigrees C. G. COCHRAN & SONS.

PLAINVILLE, KARSAS,

THE RESIDENCE OF THE STATE OF THE PARTY OF T

Some Expansion Bred Pigs.

W. E. Wiley of Steele City, Neb., announces that he has a very choice lot of fall pigs of both sexes and of Expansion breeding for sale. Everybody knows old Expansion and what he did for the size, bone and quality of the Poland Chinas of the corn belt states. Old Expansion is dead and his pigs are in great demand. One Shawnee county farmer bought an Expansion boar at the Topeka State Wide Fair in 1908. The other day he said he would not have believed it possible for any boar to have made such an impression on a herd in so short a time as this one did. Size finish and breeding qualities have always characterized old Expansion and his sows. Get your order in early and remember that Mr. Willey has two mature boars of Expansion breeding that he can spare.

Self Propelled Vehicles.

A large number of Kansas Farmer readers have inquired as to where accurate and reliable information, in permanent form, could be had about gasoline engines and their uses in Automobiles tractor engines etc. We are glad to announce that we think we have found exactly what is needed in "Homans Self Propelled Vehicles," This is a book of 670 pages in which the author has thoroughly covered the ground and given minute details, in both the text and the illustration, of the automobile and the motor cycle. In addition to the photographs and drawings with which this book is illustrated there are several detail plates which show the entire mechanism of the Automobile. This large book only costs \$2 and it can be furnished by the Kansas Farmer Company.

Cured Many Curbs.
North Bend, Neb., Feb. 15, '09.
Dr. B. J. Kendall Co.,
Gentlemen:—Please send me your book.
Treatise on the horse. I have cured many curbs on horses with Kendall's spavin cure. I know it will do all you claim for it.
Yours respectfully.
James Bryan, P. O. Box 186.
Used 15 Years, Great Liniment.
Box 23, Creston, Ind. Apr. 12, '09.
Dr. B. J. Kendall Co.,
Gentlemen:—I have used your spavin cure for over 15 years and find it a great liniment for both man and beast. Please send me your treatise.
Yours respectfully.
A. H. Soutchfield.

Second Hand Automobiles.

The Wichita Automobile Co. of Wichita, Kan., have on hand a few second-hand cars which have been thoroughly overhauled. New parts put where needed and every one guaranteed to be in good condition. The Wichita Automobile Co., are the largest dealers in the south-west. To give you an idea of the magnitude of this concern we quote a few shipments on January 25 1909 they received 17 car loads containing 81 machines. On October 18th they received 18 car loads containing 85 machines. The manager states that more than 500 cors were disposed of to farmers of the southwest. Look up prices quoted on another page of this issue. Kindly mention Kansas Farmer.

State Fair Dates.

State Fair Dates.

The annual meeting of the American Association of Fairs and Expositions, held a Chicago during the International show, rranged the following schedule of dates or the exhibitions during 1910:

August 29 to September 3—Iowa State air.

Fair.
September 5 to September 10—Minnesota
Nebraska, Ohio and Michigan.
September 12 to September 18—South
Dakota, Oregon, Indiana, Hutchinson, Kan.
September 16 to September 24—So. St.
Joseph, Tennessee and Sioux City.
September 26 to October 1—Memphis,
Montane.

Montana.
October 3 to October 8—Missouri, Illi-nois, Washington and Oklahoma.
October 10 to 15—American Royal and

October 3 to October 8—Missouri, Illinois, Washington and Oklahoma,
October 10 to 15—American Royal and
Arkansas.
October 31 to November 5—Louisiana.
For the purpose of securing uniformity
in the live stock classification of the premium lists of the several State Fairs and
stock shows, the following rulings were
agreed upon:
Bulls over 36 months of age must have
had living calves born to their service within the past six months, or they should
be considered barren. Cows over 40 months
of age must have produced a living calf
within the same length of time in order
that they may be eligible to competition.
A classification is made for fat steers at
all State Fairs is represented in this association. In the departments for dairy
cattle, yearling helfers in milk will be excluded for competition. A calf herd of
beef, cattle will in the future be composed
of a bull calf under one year and two
helfer calves of the same age, instead of
the usual number of four calves which
have come under this classification in the
past. The change was requested by exhibitors who find it too expensive to carry
two extra calves pust for this show. They
also adopted the one judge system at all
shows represented in this association.
There was also adopted a classification
for American bred carriage horses. This
classification to conform as neariy as passible to the one which is held by the
United States government.
To enable exhibitors whose animals are
entered for show the following week to
reach their destination time on an agreement was reached to releas such at 4
o'clock on Friday afternoon.

It will be noted that Illinois again claims
the same date as Missouri the first week
in October. Effort was made to obviate
this conflict of dates by having Illinois
take the last week in September but the IIillinois Fair officials would not agree to it.
Senator T. J. Wornall or Missouri, was
elected president for the coming year, J.
D. Cameron of Iowa, vice-fresident. Chas.
Jowning, of Indianapolis secretary, and M.
B. Maddon, of

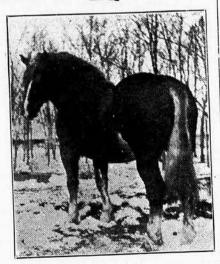
H. Maddon, of Illinois, treasurer.

Two Days Sale of Holsteins.
On Tuesday and Wednesday, Feb. 8 and 9, 1910 at So. Omaha, Neb., Henry C. Glissman, of Sta. B. Omaha, Neb., will make his fourth annual sale of registered Holstein Friesian cattle. Rock Brook Herd, now numbers close to 200 head, and this year's sale will be made of a draft of 100 head of all ages including some of the best cattle ever offered at public auction. In speaking of the cattle Mr. Glissman, says, in making this, my fourth anuual sale, I have selected a lot of cattle that should prove a good investment for those who are looking for good dairy cattle. Beside a lot of young things sired by my herd bulls Sunny Jim No. 33883, and Milk and Butter King. I have selected a nice lot of cows and helfers, out of my recent shipment of i car loads, which came direct form New York state. These includeed sons and

daughters of the King of Sires, Paul Beets De Kol. Several bulls are included whose breeding is equaled by but few, bulls in the entire breed. There are sons of King Segis Pontiac, King of the Pontiac, De Kol Segis Pontiac, King of the Pontiac, De Kol Sind's, Butter Boy 3rd, Sunny Jim, Milk and Butter King 2nd, and others. The cows, some 50 in number are the big rugged square uddered type and are the kind that produce for us from 10,000 to 16,000 pounds of milk per year. Special mention may be made of Dora Ricka Priscilia Mo. 73423 a 6 year old cow, that won the Neb. Dairymens association, test for 1909, giving 16833 pounds of milk, and 604.7 pounds of butter in the year just closed. Her yearling daughter sived by Sunny Jim No. 38833, who is a son of Sarcastic Lad, the Worlds Fair Champion, is also included and will be a prize for some one. None better were ever offered and where, when breeding and individual excellence considered. There will be about 20 cows, just fresh or due in a few weeks after the sale. Some of these bring daughters of cows with record of 20 to 25 pounds A. K. O. in 7 days. A yearling daughter of De Kol, De Jong, No. 47052, A. R. O. 20.32 pounds in 7 days, and sired by Hello Boy De Jong No. 48755 whose dam, Hello 4th Pet has a 24.76 pound A. R. O. record, is among the plums of the sale. In all, I have made a special effort to put in this sale only such cattle as I my self would like bred from, and do not hesitate in saying that I consider them the best lot of cattle ever offered by one man in the west. Beside the 100 head taken from my herd, there are consigned 25 head by various breeders in this section, making the total number catalogued, not less than 125 head. If the corn belt farmers want Jairy cattle, this will be a rare opportunity to get them at their own price. The sale will be held rain or shine in a steam heated pavillon, and every animal will be sold without reserve or by bid. Catalogs will be ready about Jan. 15.

An Old and Noted Herd Changes Proprietors

It has come to the attention of the Kansas Farmer that the grand look herd of Durocs. se well and favorably known all over this Country and through the west as the famous fancy herd, which was foundand bred and build upp by Jno. Was foundand transfered from their spacious fields and pens at Woodlawn to their spacious fields and pens at Woodlawn to their mewer and handesomer quarters prepared for them by their present owners just outside the city limits of Concordia, Kansas. Jones and Son, spent years in breeding and building this great herd up to its present high state of perfection. They never allowed price to interfere in the purchasing of any blood or animals if they thought that it was necessary to the advancement and upbuilding of their famous herd, the result is; they founded a herd that has been the admiration of all the lovers of this noted breed and have enjoyed a large and growing demand for their yearle output at prices to some it may have seemed high; but taking the quality and the preding of the animals and the care, attention and the expense to produce animals or such high grade they were erry moderate selling to the best and foremost breeders of the hest in eight diffeers states. The lucky purchaser and present owners of this fancy herd, now; is A Ott and Son, of Concordia, Kansas, There are no better and more favored County than they. The Senior member (A, Ott) is now the present incumbent of the office of Register of Deeds of Cloud Co., and is serving his second term with oredit to himself and satisfaction to the general public. Everybody known and likes it, out the propers that the herd has fallen into good hands; that in the future its standard will never be allowed to droop or trail, but will be holsted higher and higher, until its welcoming folds will heraid and wave over one of thee best herd of swine in the entire country. They have now one of the best appointed he grantenes in the west, conveniently located, excellent alfalfa pascines. We will h An Old and Noted Herd Changes Proprietors



Home bred Belgian stallion Major that weighed 2010 pounds at 27 months of age. Owned by David Cooper, Freeport, Kan.

When writing advertisers please mention Kansas Farmer.

CHELL BY THE THE TOWN LEW AND SET THE PLANT

SHORTHORN CATTLE

12 bulls, 12 to 18 months; 20 cows and heifers for sale.
SHAW BROS.,

HUMBOLDT NATIONAL STOCK FARM

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

H. F. PELPHREY & SON, Kansas. Humboldt,

TENNEHOLM SHORTHORNS SHROPSHIRES and LANGSHANS.

Four good red bulls 8 to 12 months old.
Sired by Good Scotch bulls and out of Wild
Eyes and Kirlkevington cows. Dams are
good milkers. Females for sale also.
E. S. MEYERS,

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

SCOTCH TOPPED BULLS.

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

O. A. TILLER,

Pawnee, Nebraska.

POLLED DURHAM CATTLE

Young bulls. Cows and heifers bred to Roan Hero, the Double Standard Champion Prices reasonable. Write for terms.

C. J. WOODS,

Kansas.

BELVEBERE X2712--195058

son of the \$1,500 Grand Victor X1685 150264 heads my herd of Double Standard Polled Durhams. A few extra good blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town.
D. C. VAN NICE,

Richland,

Kansas.

HEREFORD CATTLE

Jacks and Hereford Cattle.

Stocks for sale at all times. Write us what you want.
YATES BROS., Faucett, Mo.

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.

GALLOWAY CATTLE

SMOKY HILL RANCH.

Galloway herd, headed by Pat Ryan of Red Cloud 20038. Starlight 2nd of Tarbre-och 24473 and Valarius 22058. Bulls and heifers for sale from my herd of 180 reheifers for sale fregistered Galloways.

E. J. GUILBERT,

Kansas.

Twelve Galloway Bull Calves

9 to 12 months old, all extra good ones, good bone and coat of hair, most of them sired by "Imported Randolph" will sell very cheap if taken within 30 days owing to lack of feed. S. M. CROFT & SONS,

Bluff City,

Kansas.

ANGUS CATTLE

ANGUS BULLS.

Sons of Champion Ito (our show bull) a son of Imp. Prince Ito—cost \$9,100—and out of the \$3,500 champion cow, Queen Mother, the of Drumfergue, and RUTGER MIKADO \$2305, whose get took first prize at the Kansas State Fair last year, and from the best families of the breed. Also a number of females open or bred and some with calves at foot.

calves at foot.

SHROPSHIRE SHEEP.

A few high class Canadian bred ewes with lambs at foot, sired by our Imported English show ram. The best you can buy anywhere. Write us your wants or come

and see us.
SUTTON FARM, 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 aronly being sold to reduce the size of herd Low prices. Mention this paper when writing.

PAUL M. CULVER.

PAUL M. CULVER, Edgerton,

W. The second

Missouri.

Dawson's Sale of Expansion Poland Chinas at Topeks.

H. C. Dawson & Sons, Endicott, Neb., who won fame as the owner and exhibtors of the famous Poland Chinas sire Expansion, will hold a sale of this famous strain at the Topeka State Fair grounds on Jan. 13. Expansion weighed over a half ton when in the show circuit and was probably the heaviest hog that had the quality and tinish that was ever exhibited in the west. He was not only a remarkable sire and his get have been in strong demand for years. The best Collessus, shown elsewhere, is one of his sons as he appeared on the Topeka Fairground last fall. The Dawsons have sows in farrow that weigh over 300 pounds and a number of fall yearlings that will beat 500 pounds each. Old Expansion is dead and this makes the demand for his get all the stronger. Several of his daughters will be consigned to this sale and this will be one of the last opportunities to get them. Kansas and Topeka are especially favored in this matter. In this sale also will be the champion sow of the 1909 Nebraska State Fair. Evey cnimal in this sale will be a good one and all of the famous big boned big sized, big finished Expansion type. Get a catalog by addressing H. C. Dawson & Sons, Endicott, Neb., and remember that the sale will be held during "Farmers week in Topeka," when you want to be here anyhow.

RED POLLED CATTLE

COBURN HERD OF RED POLLS.
Choice young stock of both sexes for sale; also a few cows.
GEO. GROENMILLER & SON,
Kansas.

Pomona,

AULD RED POLLS.

Herd established 7 years. Choice breeding and individuality. 3 young bulls for sale.

AULD BROS., Frankfort,

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, Kan.

HAMPSHIRE SWINE



Oldest herd in the West. 30 boars of serviceable age. Also bred sows and gilts.

W. F. DAVIS,

So. St. Joseph, Mo.

OHIO IMPROVED CHESTERS

75 O. I. C. PIGS.

Herd headed by Jackson Chief 2d. No. 12285, and Kerr Garnett 2d. No. 25438. Boars and gilts not akin for sale. Write or come and see them.

W. H. LYNCH,

Reading,

Kansas.

BERKSHIRES

BRAERURN BERKSHIRES.
Pigs, high-class in quality and breeding.
H. B. Cowles, Topeka, Kan.

RIDGEVIEW BERKSHIRES.

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

BERKSHIRE BOARS AND GILTS
for sale. Long bodies, smooth spring pigs.
The best breeding and excessent individuals.
No culls shipped. Visitors welcome.

Marysville. Kansas.

Marysville,

SAVE YOUR HOGS

by using the Ridgway Treatment against Cholera. Guaranteed to make your hogs cholera proof for life. Write today for circulars Address

ROBERT RIDGWAY,

Amboy, Ind.



BERKSHIRES-OVER 250 HEAD To select from. Choice boars and females of various ages. Baron Duke 7500 and Masterplece 77000. Spring pigs for sale. We guarantee satisfaction.

Write LEON A. WAITE, Winfield, Kan.

You need a Berkshire boar—buy a good one; it pays.

We are offering to one; it pays.

We are offering 50 big boned, growthy fellows, ready for business, weighing 125 to 250.

Svery one a good one. No culls.
Order today and get first choice at special prices, \$20, \$25 and \$30. Satisfaction guaranteed.

SUTTON FARM, Lawrence,

NEW YORK VALLEY HERDS BERK-SHIRES AND SHORTHORNS.

25 years' experience with these breeds. Sows bred to and sired by Field Marshal 103200 and Lee's Masterplece 99715. 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 \$25 to \$100 each, Write your wants. Visitors always welcome.

J. T. BAYER & SONS, Yates Center, Kansas.

THE STRAY LIST

Chautauqua County—Edgar Randall, Clerk. STEER—Taken up, November 23, 1909, by W. H. Walker, in Center tp., one red yearling steer, valued at \$20.

Earton County—C. F. Younkin, Clerk. STEER—Taken up. November 23, 1909, by Henry Dunekack, in Clarence tp., one red steer, weight about 800 lbs., both hind feet white, tip of right ear cut off.

Angus Cow Bargains.

Elsewhere in this issue will be found the advertisement of Paul M. Culver well known breeders and exhibitor of Aberdeen Angus catite. Mr. Culver is located at Edgerton, Mo., about 35 miles South of St. Joseph, and as we have already intimated has one of the great Angus herds of the country. Mr. Culver although quite a young man is recognized as a foremost breeder and was selected as juage of Angus cattle at the big Enid Oklahoma show just closed. Mr. Culver finds it necessary to reduce his herd and is offering for quick sale and at prices that should move them 15 good young cows, in age from three to seven years. They are good sized useful sows representing good families. Everyine raised a fine calf the past season. And by the way anyone that sees the calves will want the cows. The cows are in good condition considering the fact of having suckled calves. All of them are due to calve in March to the great bull Louis of Meadow Brook, one of the most perfect specimens of the breed the writer ever looked at. He was sired by Lucy's Prince three times Champion at Chicago International in succession. His dam was Lilac of Meadow Brook full sister to Lady of Meadow Brook full sister to Lady of Meadow Brook is one of the low down smooth block kind weighing 220 in moderate flesh. He was shown as a yearling and two year cld winning 17 firsts and championships on 22 entries He sired the Steer Winticld that the Kansas Agricultural College showed and won first on at Chicago in 1907. Also Royal Lad the steer that Missouri Agricultural College won 3rd on at the same show. Black Diamond the noted prize winning owned by Nebraska College, the first prize steer calf at American Royal this year Prince of View Point was also sired by this great bull. Isn't this evidence enough. Cows in calf to a bull like this are the greatest bargain at prices like Mr. Culver is making. Remember they are all recorded cows. Mention Kansas Farmer when writing.

Dr. Shirley's Jersey Cattle Sale.

when writing

Dr. Shirley's Jersey Cattle Sale.

Extremely cold weather and snow interfered with Lr. Shirleys closing out Jersey sale at Hiawatha, Kan. De. 21. The offering was the best individually and as to breeding, the best that has been seen at any sale held in Kansas for years. Every animal *was of the good useful kind and bred along lines that would assure her offspring to be valuable. The sale was managed in a very satisfactory manner by Mr. B. C. Settles of Palmyra, Mo. Twenty-five head out of the thirty head sold went to Kansas buyers, D. A. Kramer of Washington, Kansas topped the sale paying \$190 for the splendid young cow Pinkle Gold one of the three heifers sold that had recently been tested by the American Jersey cattle club. Pinkle Gold has in six months milked 4000 pounds of milk and produced 223.93 of butter, a general average of something over \$50 was made on the offering many of the animals included being caives. Following is a list of representative sales:

Guenon's Haynic—H. F. Erdley, Hiawatha, \$77.50.

Guenon's Bessic—Rolla Oliver, St. Joseph, Mo., \$115.

Jennie Sales—A. C. Davenport, Hiawatha, \$55.

Lizzie Sales—C. D.Fisher, Hamlin, \$130.

Full Calf—Jesse Johnson, Clay Center, \$52.50

\$65. Lizzle Sales-C. D.Fisher, Hamlin, \$130. Full Calf—Jesse Johnson, Clay Center, \$52.50 Staurena Sales—O P. Dovel, Auburn, Ne-braska, \$60. Daisy Oonan Sales—Erdley \$82.50.

braska, \$60.
Dalsy Conan Sales—Erdley \$82.50.
Wiggleine Sales—A. J. Greenwald, Hamiln, \$60. Nota Coomassie—Everett Hays, Hiawatha, \$45.

\$45. Jean- Coomassie—O. P. Dovel, \$110. Nattlene—Evertt Hays, \$87.50. Beauty Coomassie—Fisher, \$85. Lady May Ingelow—Rollo Oliver, \$85. Coomassie Robin—Jesse Johnson, \$95. Bonnie Panzp—A. H. Lambert, \$80. No. 29—Rolla Oliver, \$152.



Nies' Brood Sow Sale.

Nies' Brood Sow Sale.

Read the big advertisement on another page which will describe the brood sow sale to be pulled off by F. G. Nies & Son, at Clearwater, Kan., Jan. 27, 1910. The sows to be sold in this sale will be the very best that Mr. Nies & Son's ability as breeders and the excellent herd they have maintained for a number of years have been able to produce. Some of the best sows that ever graced a Kansas sale ring will be sold in this sale. It will be a rare opportunity to pick up some new blood or lay the foundation for a herd. The offering will be a better lot and a more select lot of brood sows than was sold in the last fall sale and we know that breeders who bought in this sale made plenty of money on their purchase. A large number of this offering will be bred to Modern Monarch, one of the greatest boars living today. He is by Indiana, the three times state fair winner. His dam was Princess Vivician by Prince Alert. Arrange to be present at this sale. Turn to another page and read sale advertisement. Send in your name early for a cattalog, mentioning this paper. If you cannot attend send your order to O. W. Devine to buy you a good sow.

When writing advertisers please mention Kansas Farmer.

Mitchell County Breeders' Association

J. F. HOWARD, Secretary.

Nothing but first class animals offered for sale for breeding purposes.

SHORTHORN CATTLE.

SHORTHORN CATTLE—50 head registered 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 buil calves of fancy breeding for sale: JOHN STROH, Cawker

Some choice bull calves of fancy breeding for sale: JOHN STROH, Cawker City, Kan.

ELMDALE STOCK FARM. Shorthorn cattle. Herd headed by Scotch bull, Highland Laddy 243179 by Brave Knight by Gallant Knight; dam Daisy Bell by Imp. Lord Haddo. Young stock for sale. For information address Frank P. Cooke, Beloft, Kan. Beloft, Kan,

DUKE OF DUNDEE 285852, by Archer 205740, dam by Gallant Knight, is at the head of my herd, 6 cows by Rosa Duke and some by Scotchman. Inspection invited. CHAS. S. McCLEARY, Beloit,

UPLAND HERD OF SHORTHORNS.
Headed by the Scotch Duchess of Gloster buil Dreadnaught, 1 red buil 20 months old out of a Lord Mayor dam for sale. GEO. W. BEEMIS, Cawker City,

Kan.

IOCUST GROVE SHORTHORNS.
Herd headed by the pure Scatch bull
Goster's Model 287840. Three Scotch
topped yearling bulls for sale. Also a
few cows with calves at side. ELMER
C. CREITZ, Beloit, Kan.

A YOUNG HERD of up-to-date breeding. Everything recorded. Our herd bull
Alfonso by Magnet has produced us some
great calves this season. BRINEY &
BRINEY, Beloit, Kan.

BOOKDELL STOCK FARM.

BRINEY, Beloit, Ran.

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

Beloit,

JENNINGS' SHORTHORNS — Some young bulls for sale by Senator by Hedgewood. Also a few got by Spartan Viscount. Prices right. 2 miles north of Simpson, Kan. S. G. JENNINGS, Simpson, 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. PLYMAT, Barnard, Kan.

HEREFORD CATTLE.

HEREFORD BULL CALVES for sale. Berkshire boars for sale. Spring farrow. Will trade 2 or 3 for gilts. Boars by Commander out of dam by Speculation; grand dam, Alice Majestic, champion sow at Kansas City Royal W. B. & J. M. Rodgers, Beloit, Kan.

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 Caster 259475, the winner in every big show he was ever in. A few choice young helfers and cows for sale. F. L. BROWN & CO., Sylvan Grove,

ANGUS CATTLE.

ABERDEEN-ANGUS CATTLE — A young but fashionably bred herd. Some fine spring calves to price later. C. BIRT, Beloit, Kan.

ANGUS CATTLE, the feed yard and show yard type. Young bulls for sale this winter. Inspection invited. HARRY BARNES,

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,
Cawlee City. Ken. Cawker City,

RECISTERED PERCHERON HORSES
—in stud: Imported Rabelais 42529 by
Cosaque by Theldus who sired Calipso
and Casino. Visitors welcome. C. J.
JOHNSON, Solomon Rapids, Kan.

THE HOME OF JACQUE W. 42659 by Tiatrey, dam Imported Risette. Inspec-tion of my Percherons invited.

Glen Elder, G. McKINNIB,

COLEDA'LE 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 horse
Make known your wants to

M. A. SMITH, Supt., Cawker City,

COACH HORSES.

LAWNDALE STOCK FARM—Oldenburg German Coach horses. International prize winning stock. A tried stallon for sale. Inspection invited. JOSEPH WEAR & SONS, Barnard, Kan.

POLAND CHINAS.

EUREKA HERD POLANDS—Durocs. 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.
On Friday Jan. 21, we will sell 42 high class bred sows at the fair grounds Beloit, Kan. Write for a catalog. Address, LOGAN & GREGORY, Beloit, Kan.

DUROC JERSEYS.

GOLDEN RULE STOCK FARM—Gilt edged Durce 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.

HAMPSHIRES.

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 gits for
sale. T. C. WRENCH, Beloit, Kan.

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COL. H. H. VanAMBURG,

General and Live Stock Auctioneer.

Phone 434, BELOIT, KAN.

General and Live Stock Auctioneer.

COL. F. L. SMITH, Phone 943. BELOIT. 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, Winfield, Kan..

Sales made everywhere. Write or wire me for dates. Prices reasonable.

W. C. Curphey. LIVE STOCK AUCTIONEER,

Write, phone or wire ror dates. Abilene,



LAFE BURGER,

Live Stock Auctioneer. Write or wire me for date. Wellington, Kansas.

Residence Phones Mutual 114; City 528. Mutual 134; City 626. W. WEIDMIER.

Experienced Live Stock Auctioneer.
Terms reasonable. Big tent free. Write or wire me for date. Cameron, Mo.

Jas. W. Sparks

Live Stock Auctioneer - - Marshall, Mo. Twenty years selling all breeds.

COL. ESSIE CRAVEN, NORTH BRANCH KAN Live Stock and General Auctioneer. Ask

LIVE AND LET LIVE

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

JAS. T. McCULLOCH CLAY CENTER,

R. L. HARRIMAN AUCTI NEER

Write me for dates. BUNCETON, MO.

J. H. MOORMAN,

Live Stock and General Farms sale auction-Satisfaction guaranteed. Long distance phone connection.

SOLOMON.

KANSAS

I.E.ARN AUCTIONEERING.

Trained, competent men make big money with no capital invested. You can be independent. Others are. Jones National School of Auctioneering teaches you how. (Over 500 graduates in the U. S. and Canada.) Mid-winter term opens January 3, closes February 11. Write today ror ree catalog. Address

CAREY M. JONES, President, 2856-2858 Washington Boulevard, Illinois.

The Rayo incubators and brooders have at least a dozen points superiority according to the claims set forth by the manufacturers. These are both made by the Rayo Incubator Co., Blair, Neb., whose beautiful printed catalogue is now ready for distribution. One of their claims for the superiority of these chicken making machines is that the incubator lamps only requires one filling for the entire hatch. The new model for 1910 has many improvements which are told about in the catalogue and this catalogue is free to readers of the Kansas Farmer who mention this paper when they write for it.

In this issue T. C. Wrench, breeder of O. I. C. Swine at that place changes his ad to the effect that he has no more males for sale but will price a few choice bred and open glits. Mr. Wrench's ad may be found in the Mitchell county breeders advertising section in Kansas Farmer. Mr. Wrench is a member of the Mitchell county Breeders association and takes an active interest in the work of the association and Mitchell county's big fair as well. He lives about four miles south of Beloit where he owns a good farm. He has been a resident of Mitchell county for over a quarter of a century and has taken an active interest in good stock all the time.

O. A Tiller Duroc Jersey breeder, located at Pawnee City, Neb., writes that he has decided to sell some of his tried sows at private sale that he had expected to retain in the herd. Choice Girl 196142 sired by W. L. A.'s Choice Goods and out of Iowa Ranner Girl by Tom Watson 21103. Maud Critic 185672 sired by Critic Echo 43005 and out of a sow Gold Dust Jim 15169. Pawnee Girl sired by Chief Kant Be Beat 54191. Grand View Advance by Ohlo Chief and Minnie Advance by Proud Advance. Mr. Tiller has just sold a car load of cows and heifers together with a built to Mr. A. J. Barnes of Hamburg, Iowa, but they still have three good buil calves for sale. Get prices at once on this good stuff.



LET US TAN Crosby Frisian Fur Comp Bochester, M. Y.

Hide and Fur Market.

Furnishel by James C. Smith Hide company, 108 E. Third street, Topeka, Kan. Below prices are for week ending January 1, 1910. While they may not prevail for week following, they will give you a very close idea or prices which will prevail.

Furs.

Raccoon, large prime. \$1.75@\$2.00 Raccoon, medium prime. 1.35@1.65

Raccoon, medium prime
Raccoon, medium printe
Raccoon, small and 140. 3.00 4.00
Skunk, bluck prime 2.00@ 3.00
Skunk, short prime 1.00@ 2.25
Skunk, narrow prime35@ 1.00
Skunk, broad and unprime 35@ 1.00 Skunk, broad and unprime 5.00@ 6.00
Mink, large dark No. 4.00@ 5.25
Mink, unprime
Mink, unprime
Opossum, medium cased No. 1
Thossum, small cooks
Muskrat, winter
av Clat
Wolf, prairie
Wild cat
Wild cat
Beaver, small
All other badgers practically worth less.
Hides. No. 1 No. 2
No. 1 No. 2
Green Salt Cured, natives
Green Salt Cured bulls 10% C 9%C
Green Salt Cured, Side Brands,
40 lbs. up. flat
Green Salt Cured Deacons25 c 50 c
Slunk
Tellow
Page Wax
Slunk. 5½c 4½c Tallow. 25 c 15 c Rees Wax. 25 c 15 c Horse Hides. \$2.50@3.25 \$1.50 2.25
Powles and No. 3
Dry horse, half price of green. 25c@\$1.00
Dry horse, half price of green25c@\$1.00 Green Salt Sheep Pelts25c@\$1.00 Green uncured hides 1½c less than same Green uncured Green half cured %c less
Green uncured hides 11/2c less than same
Green uncured hides 1 1/20 less that grade cured. Green half cured %c less
than cured. Dry Hides.
Day Flint Butchers' Heavy
Dry Flint, Butchers' Heavy
Dry Flint, Light, under 16 pounds. 17@18c
Dry Flint, Light, under 18 bounds
Dry Fill, Heavy 18 lbs. and up14c
Dry Salt, Light, under 18 lbs
Dry Sait, Inglit, and 13c
Dry Salt, Heavy, 18 lbs. and up. 10c Dry Salt, Light, under 18 lbs. 10c Dry Sheep Pelts. 10c Above prices are delivered in Topoka.
Above prove me
Kan.

E. N. Woodbury, Cawker City, Kan., who is well known as a Percheron breeder at that place, is offering a very high class two year old black stallion for sale. Mr. Woodbury believes this youngster to be a great prospect and says he will sell him at a figure that will make him doubly attractive to a buyer. He will also price a few yearling fillies that are attractive. Mr. Woodbury's breeding establishment is at the edge of Cawker City, 20 miles west of Beloit in Mitchell county. If interested come out and see Mr. Woodbury's Percherons and this young stallions in particular. If he doesn't happen to have what you want he will be glad to diract you to some of the other Mitchell county Percheron breeders of which there are a number. Remember that Mitchell county has more high class Percheron horses than any other county in the state. Mr. Woodbury's herd is one of the very first and has kept abreast of the times. It is one of the well known Percherons herds in Central Kansas. Come out and see.

We wish to call the attention to the sale ad in this issue in which is advertised 100 head of jacks and saddle horses at Smithton, Mo., March 1 and 2, 1910. Mr. Monsess has some of the finest individuals it has been cur lot to see, both jacks and saddle horses, and those wishing to buy should



get in touch with him and secure a catalog. It cortainly will be a rare opportunity to buy the best that careful breeding and care can produce. Please look up ad on another page and write today for catalog, kindly mentioning the Kansas Farmer.

care can produce. Please look up ad on another page and write today for catalog, kindly mentioning the Kansas Farmer.

Durco Jersey breeders all over the country should be interested in the Northern Kansas Durco Jersey bred sow circuit Feb. 1. 2 and 3. 150 head of bred sow will be sold in this circuit. It is the only opportunity in the state this winter to attend three public sales of bred sows in a circuit and arranged as conveniently as a ret these sales. Pearl H. Pagett of Beloit, Kan., and R. G. Sollenburger, of Woodston, Kan., will make a combination sale at Beloit on Feb. 1, thus starting the ball rolling. They will sell a draft of 42, equally drawn from the two herds This will be a strictly breeders offering although there is no reason why farmers should not buy them as readily as breeders. However, it is a fact that breeders should be interested in this sale because of the fact that there will absolutely not be a common bred sow offered. It is an effort by Mr. Pagett and Mr. Sollenburger that will surely be apppreciated. The day following this sale, E. M. Myeres, of Burr Oak, Kan., will sell a draft of 40 head of bred sows. It is doubtful if there is anywhere in Kansas a breeder of any kind of hogs that has come to the front in the business like Mr. Myers has done. His sale will be good all the way through. It will be an offering of the best sows in his herd because this is a case of where neither breeder is going to sell common stuff. There is plenty of good natured rivairy in this circuit among the boys to insure first class offerings of bred sows. All have been fortunate in getting their sows bred early. On the 3rd, at Smith Center which is only a short distance from Burr Oak and casily reached from there, Rinehart & Slagle will soll a draft of Durocs are represented. Herd boars have been bought at long prices to which these sows are bred. Their breeding establishment at the edge of Smith Center is probably one of the most up-to-date establishments of the kind in northern Kansas Farmer will be all th

ful and honorable manner. Ask for catalogs any time.

East Side Holsteins.

F. J. Searle, owner of the East Side Dairy Farm Holsteins at oskalossa, kan, writes as follows:

Among recent sales from East Side Dairy of special mention are two cows and a bull to Ben Schneider, Nortonville, Kan, on Dec. 16. These cows were two of my choice ones and were some of my foundation stock from the beginning of my breeding operation, one Hester Carlotta Hengerveld 61852 of grand-daughter of Shadybrook Gerben (over 26 pounds) and half sister to San Toy (over 25 pounds) and half sister to San Sundrie over 15 pounds ARO, sire Paul Clyde, the sire of Johanna Colantha 2d (over 32 pounds ARO.) She is also the dam of Helle Sunbeam who calving at 1 year 11 months of age produced over 10 pounds butter ARO 7 months after calving. Arcula Fobes De Kol No, 62109 was the bull selected, a fine individual with an average of 20 pounds ARO five nearest lams. Mr. Schneider is a prosperous farmer in one of the prosperous localities in the state of Kansas and a good judge of dairy cattle. He expects to gradually increase with pure bred Holsteins until he has a pure bred herd. On Dec. 21, 1 sold to Dr. Hubert Work. Supt. Woodcraft Hospital. Pueblo. Colo., and proprietor of Woodcraft Hospital. Pueblo. Colo., and proprietor of Woodcraft Hospital. Pueblo. Colo., and proprietor of Hoodcraft Hospital. Pueblo. Colo., and proprie

Care of the State of the State of

WILL YOU SEND US A HIDE FOR CHRISTMAS it will please us over so much-besides when you receive your returns you will ge wild with loy we absolutely guarantee you highest prices—full weight—correct selections—quickest service in remitting each wen't you ship so a hide for Christmas! Hope you will. Write for shipping tags. Post card is sufficient.

Topeka HIDE COMPANY Kansas



BEE SUPPLIES

Write today for our 1910 catalog of Bee Keepers' We keep everything that the bee man reasonable prices. Liberal discounts for Supplies. needs at reasonable prices. early orders.

TOPEKA SUPPLY HOUSE, Topeka, Kansas.

Large Type Brood Sow Sale

Wichita, Kan., January 19, 1910

45 BRED SOWS AS FOLLOWS: Chapmans Choice by Blains Tec. 2, an extra brood sow, dam of Columbias Specias special that weighed 545 at one year old, a winner at Hutchinson State Fair in 1908.

winner at Hutchinson State Fair in 1908.

Sire of Top Boar of Harshaws and Charters, 1908 Harrisonville sale and the highest selling boar in the sale with at least 30 days the advantage of others in age.

Summit Girl by Perfect Ideal U. S., a winner of first at Harrisonville, Mo., Lee Summitt, Mo., and Belton, Mo., in 1905, in under year class.

Dam of sow that topped the Harshaw and Charters sale of Harrisonville, Mo., at \$85.00. I sold to Mr. Charters on a mail order 4 two year old sows by Designer, at \$85.00. I sold to Mr. Charters on a mail order 4 two year old sows by Designer, S. Nevius, Columbia Expansion and a litter sister. One yearling by Mogul, one by L. S. Nevius, Columbia Expansion and a litter sister. One yearling by Mogul, one by L. Ong John one two year old by Blue Va'ley Quality. Six by the great Columbias Chief, 25 spring gilts, sired by Col. Expansion, by Granger by Wheelers Mastodon, Silver Metal by Gold Metal and D's You Tell by Designer, C. S. Nevius will contribute 5 head by Designer.

This will give a good chance to get Designer stuff at home. The broad source of the solution of the production of the prod

bute 5 head by Designer.

This will give a good chance to get Designer stuff at home. The brood sow offering will be bred to D's You Tell No. 52758. by Designer 39199, he by Expansion, dam Coos Beauty No. 115891. Sire Prince You Tell No. 32204 D's pansion, dam Coos Beauty No. 115891. Sire Prince You Tell No. 32204 D's spring of rib, extra strong back, fine coat of hair, splendid head and ear, big spring of rib, extra strong back, fine coat of hair, splendid head and ear, big straight legs and is proving himself an excellent breeder, as you will see on sale day as we will have 55 head of July, August and September pigs sired mostly by him. Most all of the sows will be bred to him. The rest to Sheldon Hadley No. 23507. Sheldon Hadley is a fall yearling bred by Geo. Hull of Garnett. Kan.

He is a good one, strong back, good ribbed, extra depth of body, good feet and legs, splendid head and good ear and crossed on Designer sows. You may expect something extra good. These brood sows are being cared for in a brood sow way. having the run of a field of barley and alfalfa and fed a mixed ration of corn, oats and ship.

In the offering of July, August and September pigs those.

In the offering of July, August and September pigs there are a number of herd header prospects and the gilts are a fine stretchy lot with plenty of quality, watch this sale date, Jan. 19, 1910. Send for catalog they are ready to mail out you can not attend send bids to O. W. Devine representing the Kansas Farmer. Address.

H. O. SHELDON,

Wichita,

Kansas

POLAND CHINA BRED SOWS

at South Mound, Kan., Thursday, Jan. 20, 1910

15 Tried Brood Sows, Possessing Great Size.

Including Logan Beauty, the largest sow n the state, Miss Topsy a line bred Hadley Long Cord, Bright Eyes and others of immense size and possessing great hone, substance and quality.

2 fall yearlings sows out of Long Cord 2nd by a son of the immense sow Logan Beauty. 21 large, thrifty spring gilts from my largest and pest breeders. Positively one of the best offerings of

BIG TYPE POLAND

To be sold at public auction during the season. These sows are pig to

ORPHAN CHIEF, JOHN LONG, LOGAN EX OF LUGAN YUU

Catalog will be mailed on application. Auctioneers: James Sparks, Frank Zaun.

JOHNSTON SOUTH MOUND. KANSAS

9 W. Devine, representing Kansas Farmer.

proper handling she could make a 25 pound cow with next calf. Woodside Wachusetts Tidy, No. 103365, dam a 17 pound 3 year old daughter of Tidy Abbekerk Do Kol, ARO over 25 pound, her dam Tidy Abbekerk over 27 pound ARO. Sire Konrdyke Queen De Kol Butter Boy, No. 34800 (5 ARO daughters) his dam Korndyke Queen De Kol, 41934, ARO 24.67 pounds. The best bred helfer in the middle west and in calf to a son of Pontrac Korndyke, the sire of Pontrac Ragapple over 31 pound

CHELL WALL CHANGE POR VERNER TO

ARO and 44 other ARO daughters. Aaggle Cornucopia De Koi, 195381, another heifer sired by Aaggle Cornucopia Johanna Lad, his sire Sarcastic Lad and dam Aaggle Cornucopia Pauline, over 34 pound ARO. Her dam Jetta De Kol Albina, ARO almost 11 pound as 2 year old. Aaggle Cornucopia Johanna Lad has 41 ARO daughters. Dr. Work buys nothing but good individuals of the best ARO breeding and he is not backward about paying what this kind are worth."

AL THE BOTH IN THE

This week start the advertisement of Mrs. D. a.. Ginespie, the weil known preeder of Barred Piymouth Rocks. Alls. Ginespie is located at Ciny Conter, Kan., and has for several years past bred and snown very successivity. These piros are larm raised and handsed under the most natural and neathful conditions, when breeding stock is to be bought the matter of price makes but little diliterance, it is always good stock first and price last that determines Mrs. Ginespies operations when making selections. At the shows Ginespie bred birds always win move than their share of the best premiums. If in need of a good cockerel or eggs write at once and mention kansas Farmer.

A Perfected Light for Farm Homes.
At last there is has been periected a light that is being rapidity instaired in almost every farm home throughout the entire United States, we refer to the Coleman System made in Wichita Kan., by the Hydro Carbon Company, this Company is now occupying their new concrete building 75x145, a more complete building against fire is not to be found anywhere. Sixty people are regularly employed. Every modern machine to complete the Cole System has been installed. One hundred and thit hamps are completed each day. Besides cesting less to operate than oil lamps it is inexpensive to install and gives better light than either gas or electricity. The Hydro-Carbon Co. would be pleased to mail you a catalog which gives a complete description and all details pertaining to this wonderful lamp. When writing kindly meatien the Kansas Farmer.

Geo. Hitchen jr. Taited.

The writer fecently speat a few holirs very pleasant at the home of Mr. George Mitchen well known Angus breeders located at Gower, Mo. Mr. Kitchen has a fine herd consisting of about 60 head. Mr. Kitchen has been very successful as a show man winning a nice line of premiums at St. Joesph, the only place where his cattle were shown this season. Sickness preventing him from completing the circuit. He bred the Barbara twoodston, the heiter calf that won first at Chicago this year and sold for \$400, at the sale at that place. During the five years that Mr. Kitchen has been showing he has won more prizes than any other herd in his state. His present herd buil is Keylex is a representative of the famous K Pride family. He is a perfect speciment and will make his mark in the show ring another year. The cows in herd are Prince, Trogan Ericas, Queen Mothers, etc.

Standard Poland China Meeting.
Prezident R. E. Maupin of the Standard Poland china breeders association announces the following program for institute day of the annual meeting which will be held in the Live Stock Exchange South St. Joseph, Mo., Jan 4-5:

Program.

Sale and Delivery—Shall constitute trans-

Page and Discussion.

Robert E. Maupin, Pattonsburg, Mo.

Discussion.

The Pig From Farrowing to Verning
Time—How to Successfully Raise Them in

The Pig From Farrowing to Time—How to Successfully Raise Them in Western Neb.
Frank Davis & Sons, Holbrook, 7.3b.
Discussion.
Feeds and Feeding.
C. F. Hutchinson, Belaire, Kan.
Discussion.
The Profitable Poland-China.
J. O. James, Braddyville, Iowa.
Discussion.
A Continuation of Last Years Subject, "Control of Hog Choicra," and the Advancement That Has and is Being Made Along This Line.
Prof. J. W. Connaway, Dvs. Md.
Veterinarian Experiment Station, Columbia, Missourl.

Discussion.

wine, representing the Kansas Farmer.

Bell's Jan. 7th Sale Last Call.

Let one of your New Year's resolutions be to attend Ben Bell's big Poland China bred sow sale to be held at Mr. Bell's farm two miles from Beattle, Kan., Friday Jan. 7. The sale will be held in heated pavilion and everyone will be made confortable so difference what the weather is like. This is one of the first and most important sales of the season, and with conditions as they are it is reasonable to look for better prices for bred stuff as the season advances. There will be 56 head in this sale composed of iried sows, fall and spring yearlings and just a few last spring gilts, 10 of the greatest sows of the bred will go into this sale. They are in age from two to rour years old. There are older sows in the herd but none of them are, offered for sale. The fall and yearling gilts are sows that have raised litters and are in reality tried sows. There are letted one and are first class. The entire offering are bred and safe in pig for February and March farrow. To the great boars Bell Metal, What's Ex and Collossus. Three boars with a combined weight of nearly 300 pounds. They are not only large but have the quality and smoothness of small

DUROC JERSEYS

DURCC JERSEYS

B. & S. FARM.

In their Bred Sow Sale, Feb. 3, 1910, at Smith Center, Kan., will offer about 46 select Golden Ruler Gilts bred to King of Kant Be Beat 85233, and R. & S. Prince of Col.'s 88797. Also a few tried cows 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 sit up and take notice of such an offering.

RINEHART & SLAGLE,

GILTS RESERVED FOR MY FEBRUARY 2 BRED SOW SALE.
Big growthy spring boars for sale at bargain prices. Bred right and fed right.

E. M. MYERS, Burr Oak, Kansas.

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, Kaneas

25 KING OF COL. 2nd, BOARS 25

Big strong fellows carrying the blood that has made the breed famous. I need room and am making astonishing low prices. Write to once, Green, FRANK ELDER, (Successor to Grant Chaple)

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.

Kansas.

SELECT BOARS

at a bargain, by champions at two state fairs, B. F.'s Ohio Chief and Top Com-modore, and by dams of equal breeding. S. W. ALFRED,

Sharon,

Hanley Strain of Durocs

Write for prices.

PAUL B. JOHNSON, Leavenworth, Kan.

GREENWOOD HERD DUBOC JERSEYS. Herd boar Dandy Duke 64863, 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,

Kansas.

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.

PLEASANT VIEW HERD.

Spring glits and herd boar prospects for sale Sired by Tattarrax, the Kansas and Oklahoma champion. College Lad and Pleasant View King. Out of such sows as Pleasant View Queen, College Girl, John's Choice and Bob Orion. Prices reasonable. R. B. MARSHALL, Willard, Kan. Ray Johnston Sells Jan. 29, 1916.

Don't forget Johnston's sale of large type Poland Chinas at South Mound, Kan., Jan. 39. In this offering will be sold 15 of the largest sows to be offered this year. It is positively the best offering of the big type Polands that will be sold in a sale this year. Among the attractions are lighted with the sale of the first prise and champion boarde all breeds of the Yates Center fair and show last October and now at the head of Mr. H. F. Pelphreys herd at Humboldt, Kan. She was also the dam of the big litter sold in Mr. Johnston's fall sale. Four of her pigs sold for \$253 and one of them weighed at seven months old 254 pounds. This sow is a money maker and will be a valuable buy for some good breeder. Logan Beauty by Logan B. and out of Menshans Beauty is one of the largest sows in Kansss of fat. She always farrowed a large litter and raises them. Miss Topsy, by Hull's Hadley out of Square Top, a line bred Hadley sow and a bargain for some breeder. Loga Cora, by Prince You Tell, out of Core's Likeness, is the dam of Logan You Tell. a young boar now used in Mr. Johnston's herd. Orange Look, by Prince Wonder and eat of Look Again, is a good business sow and should bring a good price. Bright Bye by Prince Wonder and out of Mollie Mouw 2nd is among the 600 pound class and should sell near the top. Flossie W. C. a line bred Perfection sow bred now 7 to Logan Ex, will weigh 500 pounds and should produce a good litter. There will be 22 spring gilts sold in this sale all sired by large type boars and out of good sows. Bred to either John Long, Orphan Boy, Logan You Tell, or Logan Ex. Look up the ad on another page and send your same in early for a catalog and arrange to attend this sale or send bids to C. W. Devine, representing the Kansas Farmer.

Bell's Jan. 7th Sale Last Call.

"DUROCS GROWN IN THE OZARKS." Ohio Chief and Col. Blood. Liters by Muncle 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. I. CABTER, Cabool, Mo.

HOWE'S DUROCS. 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.

Wichita.

Kansas.

CEDAR LAWN HERD.

Nice lot of spring boars, stred by Long Wonder, Bells Chief, Rose Bell and Top Model, a choice lot of fall glits open or bred, priced right to sell quick. Write me at once.

F. M. BUCHHEIM, Lecompton, Kan.

COPPINS CREST HERD DUROC JERSEYS. For sale, a few choice spring boars and one yearling. These are sired by Royal Improver, Perfect Improver, Chief Tattarrax and King Ingomar. Priced right and all first class herd headers.

H. A. J. COPPINS, Potwin, Kan.

For sale, few fancy spring boars and gilts, 10 fall yearling sows, bred or open, priced right. Gilts are out of Old Variety Maid, she by old Tip Top Notcher. Write your wants. A few bronze turkeys for sale. J. M. YOUNG, Fall River, 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,

hogs. A grander or more useful lot have never been sold and few opportunities will present themselves like this to buy the ideal type of big Polands China. Write at once for catalog and mention Kansas Farmer. In interested and unable to attend send bids to Jesse Jonhson in care of Mr. Bell at Beattle, Kansas.

Shorthorns at Bargain Prices.

D. H. Forbes & Son, of Topeka, Kan., are advertising 25 extra good Shorthorn cows and heifers for sale at attractive prices. These are all good individuals and nicely bred Look up ad on another page and write them for prices. Kindly mention Kansas Farmer when writing.

SPRING BANK HERD DURO 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 above named boars for sale. W.

H. WILLIAMSON, Raymond, Kan.

Sows and gilts by Tip Top Notcher, Hanley Buddy K 4. Ambitton 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

FOR SALE-WORTH THE CANDY.

J. E. WELLER, Face (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 Cols., 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.

IOWA BANNER HERD

Noted Durocs, home of W. L. A.'s Choice Goods. Young stock for sale. Dispersion sale Jan. 24th, Sows carry the blood of Proud Advance, Ohio Chief, etc.

W. L. ADDY & SON.

Parnell,

Mo.

BRED SOWS AND GILTS FOR SALE. By Bonney K 47076 or others bred to him. Also both sows and gilts bred to Kant Be Best 2nd. I will sall choice bred sows with Pearl H. Pagett at Beloit, Kan., Feb. 1.

R. G. SOLLENBURGER,

Weodston,

POLAND CHINAS

POLAND CHINA BOARS AND GILTS. Early boars all sold, few younger once 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,

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 rep-resentatives of the very best blood strains of the Poland China breed. We give custom-ers satisfaction. Write today for particulars. John Bollin, Leavenworth, Kan., R. D. S.

POLAND CHINA SALE, JAN. 24, 1916. 23 bred sows, 10 gilts, 10 boars, 17 summer and fall pigs. Send for catalog and come to my sale. CHAS. H. MCALLISTER,

Oklahoma Carmen,

10 SPRING POLAND BOARS 10 Big, husky fellows, sired by Orphan Chier Jr. and Hutch Jr., out of strictly big type sows; low prices. J. F. MENEHAN,

Burchard,

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. M. WILLEY,

Steele City,

Neb.

POLAND CHINAS

SNIDER BROS.' HIGH CLASS POLAND CHINAS.

er sex, bred sows and bred gilts, right for quick sale. Write your priced wants.

SNYDER BROS.

Winfield.

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 prices

J. D. SPANGLER, Sharon, Kan.

POLAND CHINAS.

80 early spring Poland China glits, tracing to the large type Expansion—will sell them bred or open, a few choice spring board prices reasonable; satisfaction guaranteed. OLIVER & SONS, Danville, Kan.

BRED SOWS AND GILTS FOR SALE. A few choice sows and gilts for sale, break for fall litters. Write me your wants. I can please you.

A. W. SHRIVER. Cleveland.

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. BREEZE, Bayneville, Kas.

BIG POLAND CHINAS.

Headed by my big smooth boar Prises 15839. Our sows are strictly on the big order. 75 big strong early pigs ready to ship. Both sexes. Description guaranteed.

MBLBOURNE HERD POLAND CHINAS I have a few choice spring boars and gilts sired by Gold Metal, Hadley Boy and Klever Roy for sale at moderate prices. Let me know your wants.

JOHN C. HALDERMAN,
Burchard,

BARGAINS.

Ten choice big type boars for sale, sired by Price Hadley and Captain Hutch, W. C. SINGER, Hiswaths, Kanses

HIGHVIEW BREEDING FARM,

The only registered herd of big boned spotted Polands on earth. Write for catalog of my big bred sow sale Feb. 10.

H. L. FAULKNER,

RICHLY BRED POLAND CHINAS. Spring boars and gilts sired by Jewe.

Perfection 2nd, grandson of Chief Perfection
2nd. Sows equally well bred. Reasonable prices.

GEO. W. CROOKS, Clay Center,

LARGE TYPE POLAND CHINAS. For sale, two nice gilts of May farrow by Cowles Tecunisch. Bred sows and siles

F. S. COWLES, Lawrence, Kan. B. F. D. S.

GRAND PERFECTION NO. 77890. Spring pigs by this boar and out of richts of dams for sale, either sex, at \$29 each move them quick. Write at once JEWELL BROS., Humboldt, Kan.

200 STRICTLY BIG TYPE POLANDS 200 March and April farrow. Bell Metal, What's Ex. Nebraska Jumbo and Colomba head our herd. Sows carry the blood of the biggest sires of the breed.

B. M. BELL, Marshall Co.,

BIG TYPE POLAND CHINAS. For quick sale few Aug. and Sept. boars. eat of grandson of Expansion and Victor X. L., winner of World's Fair, 8 of the boars out of Lady Youtell 4th, the dam of Frince Youtell. Cheap if sold soon.

STRYKER BROS, HERD POLAND CHINAS

S. H. HARTER, Westmoreland, Kan.

The greatest show and breeding herd in the West. Write your wants and they will please you. Hogs any age at reason-able prices. Buy the best and make the most. They breed the kind that wis. the kind you want. Address STRYKER BROSE Fredonia, Kan. GOOD POLAND CHINA BOARS

fine lot of young Poland China board that were sired by the great Lails Perfection and out of my choicest sows, for sale. All of March farrow and will be sold cheap if taken at once. Must close out as I no the room.

S. W. TILLEY,

DIETRICH AND SPAULDING

Have for sale some extra good spring far-row POLAND CHINA BOARS ready for service; 2 good last fall boars. You cas always get a herd leader here. If you wast a boar to improve your herd and combining size, finish and easy feeding qualities, write them. Prices right. Pedigrees ready with sale. Home phone 1053. Residence 531 Cherry St., Ottawa, Kan.

South mound Stock Farm LARGE TYPE POLAND CHINAS

Herd headed by Orphan Chief (50986), John Ling (49897), and Logan Ex. (51718) and contains 30 great strictly large type sows the equal to which is hard to find in one herd; the produce of which I will guarantee to be much larger and with as much quality as any medium type herd. Choice spring pigs and they are very choice, weighing as high as 271 pounds, 90 head of summer and fall pigs ready to ship. Let me know your wants and mention Kansas Farmer.

ROY JOHNSTON,

South Meund, Kan.

MOVING PICTURES

OF THE WONDERFUL WORLD CHAMPION

IAN PATCH 1:5

MAILED YOU ABSOLUTELY

AND WITH ALL POSTAGE PAID



It is a New Invention that you can carry in your pocket and show your friends instantly day or night, either once or a hundred times and without a machine, curtain or light. It is the most Attractive Novelty and most pleasing Dan Patch Souvenir ever Invented and shows Every Motion of Dan Patch 1:55 in pacing one of his Marvelous and Thrilling World Record Miles and it is Absolutely True To Life.

I want to assure you that it is the most successful Moving Picture ever taken of a world champion horse in his Wonderful Burst of Speed. If you love a great horse and want to be able to see him in Thrilling Motion Pictures at any time as long as you live Be Sure And Accept My Remarkable Offer Before They Are Gone.

I reserve the right to stop mailing these very expensive moving pictures without further notice, as this is a special free and limited offer.

A MILE OF THRILLING RACE PICTURES,

and every one of the 2400 pictures shows the King of all Horse Creation as plainly as if you stood on the track and actually saw the mighty Dan Patch 1:55 in one of his Thrilling Speed Exhibitions for a full mile. Just think of it! 2400 Moving Pictures Taken Of Dan in 1 min. and 55 sec. means 21 pictures taken for every second all of the way around the entire mile track from the back seat of a high power automobile.

You Can See Dan Shake His Head To Let His Driver Know That He Is Ready And Then You Can Watch Every Motion Of His Legs As He Flies Through The Air With His Tremendous Stride Of 29 Feet. As A Study Of Horse Motion Alone This Is Better Than If You Saw The Actual Speed Mile Because You Can See Dan Patch Right Before You For Every Foot Of The Entire Mile And Not A Single Motion Of His Legs, Body Or Head Can Escape You.

You can see his Thrilling Finish as he strains every nerve and muscle to reach the wire in record breaking time, you can see his driver dismount and look at his watch while thousands of people crowd around, you can see his caretaker force his way through the crowds, uncheck Dan and then throw a beautiful woolen blanket over him to prevent catching cold and

then you can see him walk up the track before

the Madly Cheering Multitude. Wherever the Original Moving Picture, of the Fastest Harness Horse In The World, is shown, people involuntarily call out "Come on Dan"—"Come on Dan." The Original Moving Picture Of Dan Patch Pacing A Great Mile Is The Most Realistic And Thrilling Picture You Ever Saw. I Have Taken Part Of The Original 2400 Wonderful, Sensational Pictures And Made Them Into A Newly Invented Pocket Moving Picture that you can easily carry with you in your pocket and show to your friends at any time, day or night. It does not need a machine, it does not need a curtain and it does not need a light. It is all ready to show instantly, either once or a hundred times CREATES A SENSATION WHEREVER SHOWN. If you admire a great world champion who has gone more extremely fast miles than All of the Pacers and Trotters Combined that have ever lived then I am sure you will write me today for one of my Wonderful Moving Pictures of the King of all Harness Horse Creation, Dan

Patch 1:55. The Reduced Pictures On This

Page Show Dan In 16 Different Positions.

Your Moving Pictures Will Be Much Larger. MY LARGE MOVING PICTURES MAILED FREE TO ALL STOCKOWNERS

With Postage Prepaid --- If You Are A Farmer, Stockman Or Poultry Raiser I Require A Correct Answer To These Three Questions.

Ist. In what paper did you see my Moving Picture Offer? 2sd. How many head Each of Horses, Cattle, Sheep, Hogs and Poultry do you own? 3rd. How many acres of land do you own or how many acres of land do you rent?

IF YOU ARE NOT A STOCKOWNER AND WANT THE MOVING PICTURES SEND ME 25 CENTS FOR POSTAGE,

Packing, etc., In Silver or Stamps and I will mail you this wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world.

Packing, etc., In Silver or Stamps and I will mail you this wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world has ever seen. — If you send me Twenty-five Cents in Silver or Stamps—EVEN if you do not own any stock or land. I will mail it to you postage prepaid. It costs Thousands of Dollars to have one of the original pictures taken and reproduced. Write to INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.



FARM IN THE HISTORY OF THE WORLD.

On my "International Stock Food Farm" of 700 acres I own Dan Patch 1:55, Minor Heir 1:59%, Directum 2:05%, Arion 2:07%, Roy Wilkes 2:06% and also about 200 head of Young Stallions, Brood Mares and Coits and they eat "International Stock Food" every day. I will be pleased to have you visit my farm at any time and see my horses and their splendid condition. I feel sure that you never saw their equals at any Fair or Horse Show. ACTUAL TEST IS WHAT PROVES EVERYTHING IN THIS WORLD. If "International Stock Food" gives paying results for the highest priced horses in the world on my farm it certainly will pay you to itse it for all of your stock. Remember that if it ever fails to give your Horses, Cattle, Sheep or Hogs, better assimilation and digestion, purer blood and perfect health with quick growth and fattening that it will not cost you a cent no matter whether you have used one hundred pounds or five hundred pounds and you are to be not only the user but also the sole judge of results. I will leave the entire matter for you to decide and accept your own statement. How the United States Government backs my claims that "International Stock Food" is strictly a medicinal tonic, blood purifier, etc. During the Spanish-American War, United States officials made a special examination and decided that "International Stock Food" was strictly medical and I paid \$40,000.00 patent medicine war tax. Can any honorable man deny this evidence? "International Stock Food" and label design is registered in Medicinal Department as a Trade Mark No. 52791 giving it commercial standing and rights as a distinctive "TRADE NAME" FOR A MEDICINAL, TONIC PREPARATION

The United States Government issued me a Trade Mark No. 2386 on the world famous lines, 3 Feeds for One Cent - as showing how cheaply international Stock Food can be mixed with the regular grain feed - My label shows a list of the medicinal ingredients used and 250,000 Dealers have sold "International Stock Food" for over 20 years as a medical



INTERNATIONAL STOCK FOOD FACTORY
LARGEST IN THE WORLD
Covers Over & City Stock and Castales Over 18 Acres of Floor Space
ASK YOUR DEALER FOR MY PREPARATIONS

ASK YOUR DEALER FOR International Stock Food Dinternational Poultry Food Dinternational Poultry Food Dinternational Pheno-Chioro International Distemper Remedy International Foot Remedy International Foot Remedy International Louse Paint International Louse Paint International Louse Paint International Gall Heal Silver Pine Healing Oil International Heave Remedy ASK YOUR DEALER FOR ANY O

Dan Patch Stable Disinfectant
Dan Patch White Liniment
International Worm Powder
International Hoof Ointment
International Sheep Dip
International Hop Dip
International Hop Dip
International Harness Soap
International Worm Remedy
International Worm Remedy
International Hop Dip
International Worm Remedy
International Uplick Blister.

ASK YOUR DEALER FOR ANY OF THESE PREPARATIONS and insist on having what you ask for. Beware of many cheap and inferior substitutes and imitations. High Class Dealers Sell My Preparations on my Spot Cash Guarantee to refund your money if they ever fail.

DO YOU EXPECT TO SEE THE DAY THESE WONDERFUL DAN PATCH 1:55 **RECORDS WILL BE EVEN EQUALLED?** DAN PATCH, 1:55

MILE IN . 1:55% 1:56% 1:571/2 1:58 2:02 %

DAN HAS BROKEN WORLD RECORDS 14 TIMES

DAN HAS BROKEN WORLD RECORDS 14 TIMES
In addition to all these records Dan Patch is proving to be
one of the greatest sires of both pacers and trotters in all horse
history - Look up his large official list of standard performers.
Dan Patch 1:55 has gone more extremely fast miles than the
combined miles of all the trotters and pacers that have ever lived.
Be sure and remember these facts when you think of some horse
equalling Dan's marvelous performances.
For seven years Dan Patch has eaten "International Stock
Food" every day mixed in his regular grain feed. It has given
Dan Furer Blood, More Strength, More Endurance, More Speed
and Perfect Health. It is constantly used and strongly endorsed
by over Two Million Farmers and Stock Breeders, as the greatest
Animal Tonic, and has been for 20 years. No other preparation
has such strong United States Government and practical stock
breeders endorsement, as has International Stock Food.

Food Constant algorithms of the proper food.

Signed, M. W. SAVAGE, Owner of International Stock Food Co.--and also--International Stock Food Farm

CHROLE BY THE STATE ! FROM L BY AND THE MINE !!















