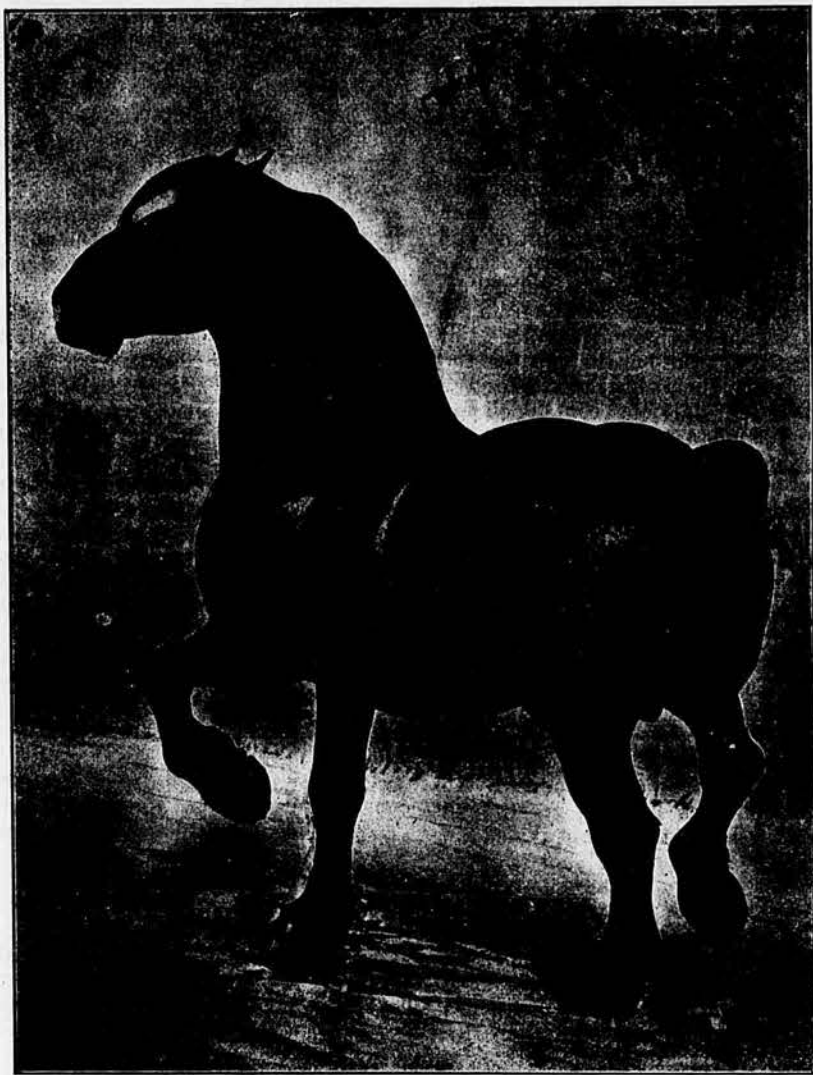


KANSAS FARMER

Volume XLV. Number 48

TOPEKA, KANSAS, NOVEMBER 28, 1907

Established 1863. \$1 a Year



Stallion belonging to Watson, Woods Bros. & Kelly, showing the type of horses they are offering in their public sale which will be held in their new sale barns in Lincoln, Neb., on December 3. See their advertisement on page 1312.

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KANSAS FARMER.

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BANKS.

Written for THE KANSAS FARMER by Scott Hopkins, Trust Officer of The Prudential Trust Company and Vice President of The Prudential Savings Bank, Topeka, Kans.

A few people who have not given the matter due consideration imagine that banks are institutions with a strong box where depositors place their money subject to call. They have an indistinct notion that the money remains in the bank vault until called for, that checks on deposit are converted somehow by the banker into cash and that if all the depositors wanted all the deposits at the same time the banker should pay the money over the counter instant or close the doors of his institution.

The modern bank does business on an entirely different basis. It is an organization conducted under the careful provisions of a State or Federal law for the purpose of exchanging credit; cash is a mere incident to the greater function of swapping credit. The bank has a paid-up capital and in most cases a surplus; then there is the double liability of the stockholders, a machine for conducting the business, the experience of the management, the judgment, integrity and personal interest of the officers, all contributing to make up the credit of the bank.

The depositor opens an account with the bank. He does not deposit cash ordinarily but hands the cashier a check drawn by someone to his order. This check is endorsed and entered on a pass book as a credit. The bank trades its credit for the customers check. The customer uses up his credit, as shown on the bank pass book, by drawing checks against his bank credit and when the account is low he may increase his credit by making a note to the bank for which he receives more credit on his bank book. This swapping of credit is universal among business men and the amount of business so transacted is stupendous. The banks of the country in this way owe their customers, in round numbers, about twelve billions of dollars, and the customers owe the banks about ten billions.

The prosperity of the Nation therefore depends upon the intelligent use of credit and panics or depressions occur when there is an abuse of credit by the banks or the customers of the banks.

It is essential to bear in mind however, that the whole fabric of credit rests upon the cash reserves of the debtor, whether a bank or a customer.

Experience has shown that a cash reserve of \$1 of lawful money is ample to protect \$4 of debt. This is another way of stating what is known as the 25 per cent rule. In New York City where the clearings often reach 150 millions a day, but 2 per cent of cash is used in settlement. Over the Nation, less than 10 cents on the dollar is used in cash in the transaction of business. Checks, drafts, notes, and other bank contrivances do the business of each day.

The keystone of the financial arch is the cash reserve and the law fixes what it shall be. The well-managed and properly conducted banks are simply trying at the present time to maintain this legal cash reserve and are not as a rule hoarding the money as is sometimes asserted.

This cash reserve is partly in the country banks, and some of it is in the reserve cities of the country. A part of it is in New York City, the great commercial center of the United States. The total amount of cash reserve in the financial institutions of the Nation is, in round numbers, one billion dollars. The ratio of cash to debts, due the customers on the side of the banks, is therefore about 1 to 12, but when you offset the amount due the banks from the customers the ratio is 1 to 2, or in other words if the banks demanded from every borrower full payment of the notes they hold they would with the cash on hand, capital, and surplus be able to pay off every depositor in full, but the Nation would be a wreck and anarchy would prevail.

The banks are primarily conducted for the purpose of supplying the legitimate credit needs of trade. Each bank is a quasi-public corporation and bank managers are trustees of the public welfare. The laws can not be too strict to protect the public from the Judases that are found in places of public trust. No one deprecates the crimes of financial buccaneers, or the disgrace and lack of confidence entailed on sound banking, more than the honest, conservative banker. The laws can not be too strongly enforced against the financial Napoleons who use banking institutions for personal greed or wantonly destroy confidence for private purposes.

The recent banking troubles have been in large measure precipitated by the mal-administration of New York financial institutions in the handling of credit. Since the war of the Rebellion there has been a process of concentration going on by which the partnership has been merged into the corporation, then into the trust, then into the great holding company and the mammoth monopolistic corporation. The small concern in the country has been swallowed up by the greater corporation of the city. The local business office has been removed to New York and merged in the larger general office of the corporation. Here policies are made and carried out. Here credits are asked for to meet the increased demand in this center. Great banks have been built up, with capital and surplus running into millions, and with deposits aggregating millions more. Trust companies were organized which had back door connections with insurance companies to secure the money flowing to these receptacles from the people of the Nation. Banks and trust companies fell into the hands of manipulators who used the funds to buy railroads, real estate, mines, and any kind of property tangible or intangible, promising personal gain. One of the manipulators of Wall Street said recently, "The art of business success is the art of borrowing money."

The banks of New York have loaned over half their funds to industrial and speculative ventures. This is their weakness and their trouble.

Under the hot house conditions of a speculative market, loans have been made on stocks which represent capitalized net profit, not actual wealth. These banks hold the paper of individuals who can not swap their credit any longer. The nauseating presentation to the public of modern finance in the way of Standard Oil manipulation, insurance frauds, railroad disclosures, copper deals

has justly alarmed depositors of banks. In their alarm they have cried out, "Has integrity and honesty departed from the business life of the Nation?"

The magazines, investigating committees, and newspapers have day after day called attention to the infamies of high finance.

The ballooning of credit and speculation led conservative bankers to raise their hands in protest but there was no cessation of this vicious activity.

It was thought the collapse would come next year, but the public having lost patience and confidence began to call for its deposits in money, not knowing what else to do in protest. The clearing house of New York woke up and first demanded that the buccaneers be driven from the banks and trust companies. Then came the great labor of reinstating confidence and placing the banking interests of the country on a basis of solidity again.

The people are aroused as never before. It is not a frenzy but a fixed, determined demand that banks shall be sound, properly managed, and operated for the benefit of the public, not for the few. The doctrine of trusteeship must prevail and unless the bankers reform their methods from within they will be reformed from without.

The banker to-day who does not recognize the under current of sentiment among his customers and who is not ready to put his business in shape to protect his depositors against loss, had better close up his business.

The developments of the past two months have revealed some weak points in our financial system.

There must be a better relationship between the treasury department and the legitimate business interests of the Nation.

There must be a better application of the doctrine of public trusteeship to the management of banks.

There must be a guarantee against loss for the investor, large or small.

There must be better relationship gambling spirit from behind the bank counter. Credits must be extended to those who deal in realities and not to those who trade in capitalized hope.

The people have, through this crisis, carried themselves well. There has been a sanity that speaks volumes for democratic government.

The sound bankers have acted promptly at the moment of extreme danger. Some may criticize the clearing house policy, but the danger is now averted.

It is a time for deep meditation, for conservative action, for sound progress, for constructive reform in banking.

We learn through adversity.

It is the patriotic duty of every man, whether he stands on the inside or the outside of the bank counter to lend his aid to help solve one of the most important economic problems ever presented to a fair-minded people.

FINANCIAL WRECKERS.

While the banks of the United States have acted with great fidelity to their trust as guardians of the financial interests of the people, and have by their prompt action averted threatened calamity, it is also believed that a lot of financial pirates became wreckers expecting to profit from the results of a general demoralization of that confidence which, as the basis of credit, is the chief dependence in the great mass of transactions incident to production and distribution. All reports indicate that the effects of the present disturbance and the consequent opportunities for appropriating wreckage are far greater in the East and in the Far West than in the Middle West. Property values were greatly depressed. The wrecker who stood ready to take in shares at the lowest prices was in some cases able to obtain controlling interests in enterprises of great value.

"Cornering" money so as to sell it at big prices to those caught short is in the same class with "cornering" grain or meats, or any commodity.

Speculation thrives on fluctuating markets, production on steady prices.

There are other persons who profit from calamity. This is illustrated in the following from the Hartford (Conn.) Courant:

"The details, or some of the details of the receivership of the New York Building & Loan Company, which failed in 1903, are now coming to light, according to the New York papers. As usual they are scandalous. A receivership has become another word of abuse of opportunity and the straight cases seem to be the exceptions that prove the rule. In this New York instance the receiver himself is getting \$12,000 a year, which is a comfortable salary, to say the least. The report says that during the year he got together \$790,770 of assets and expended \$319,682. A receivership is a fat thing, but being counsel to a receiver pays far better. Charles W. Dayton, recently raised to the Supreme Court of New York, was counsel for the receiver. Judge Dayton from the receivership at the end of 1903 to September 12, 1906, charged \$93,921 for his legal services. He was succeeded by his son, and the son's bill for the time since then is given as \$30,000. Beside the regular service as counsel there was a charge of \$65,000 additional for special services at referee's hearings. This charge was cut down to the picaresque figure of \$43,000. The poor people who get-rich-quick money was put into the concern and thus furnished the abundant pluckings that are here recorded, are now just getting their first dividend. The receiver is paying them 15 per cent, which amounts to \$400,000. There are hopes of 10 per cent more, or about \$670,000 in all for them. Of course, they couldn't all be receivers nor counsel to receivers. Instead of being receivers, they were contributors; it's different."

The time must come when so close Government supervision of such corporations will be had that investors will be safe. The time must also come when the fear of loss of deposits in banks will be a thing of the past. Conspirators will not then have the help of the army of timid people who withdraw their money from the bank and neither use it themselves nor permit others to use it in times of financial disturbance even though such disturbance be without cause other than that produced by the conspirators.

THE GOVERNMENT GUARANTEED PLAN.

THE KANSAS FARMER of November 21 referred editorially to the importance and practicability of preventing financial panics. These panics are often produced by artificially created distrust of banks and consequent crippling of their ability to do their full part in effecting exchange and distribution of products of industry. Fear of loss of money on deposit induces depositors to seek to withdraw their money from the banks, thereby destroying the ability of the banks to respond to the usual demands for help in effecting transfers.

This paper suggested that the National treasury make National bank depositors absolutely safe by guaranteeing payment of their deposits just as it makes National bank note holders safe by its readiness to redeem the notes of any national bank that fails. It was also suggested that State banks be likewise guaranteed by the several States in which they operate. The details of the process of indemnifying the National treasury in the one case and the State treasury in the other need be neither complicated nor uncertain.

It is with pleasure that the editor observes that the suggestions of THE KANSAS FARMER along these lines have been followed by similar suggestions by men eminent in public affairs.

Without doubt this plan would insure against such serious financial disturbances as result from destruction of confidence and would at the same time be merely an amplification of the system which has so long and so perfectly protected the public against fright and loss on account of bank notes.

Congress will assemble in a few

days. Prompt action along the conservative lines suggested can relieve the situation in a very short time.

NO WAR WITH JAPAN.

The big talk about war with Japan has gradually subsided in this country. It is probably true that well-informed Japanese were, from the first, able to realize what a crime war between their country and ours would be. Doubtless some agitators in Japan as well as on our own Pacific Coast were anxious for war, with other men to do the fighting, the bleeding and the dying. But the Japanese Government sent its Chief of the Bureau of Commerce of the Foreign Office to this country. He will arrive in his own country soon. A Tokyo cablegram says that there is reason to believe that after his arrival the Japanese government will undertake the task of "limiting migration within the bounds desired by the United States and Canada."

A leading Japanese paper, in a recent editorial says:

"We, naturally, are a peace-loving Nation and if the immigration of Japanese into Canada endangers the public peace, we will not hesitate to absolutely forbid emigration to that country."

Count Okuma, the veteran statesman, who is one of the main leaders of the opposing party when interviewed, said that the Japanese government probably would assist America at a time when prejudice as well as political economic conditions render the emigration of Japanese to this country inexpedient.

Count Okuma added that the American fleet would be welcomed heartily by Japan, because its visit would tend to bring the peoples of the Nations closer together.

A QUESTION OF WILLS.

EDITOR KANSAS FARMER:—A and B were man and wife. They had minor children and property, both real and personal.

The day before A died, while taking sedatives for pain, he had his will drawn up leaving all the property to his wife. He did not mention the children by name in the will. He appointed her guardian and administratrix of his children and property. Some of the children are now of age.

Is a will like that valid in the State of Kansas? Could such a will be broken by the older children and how would they go about it?

B has never filed a list of said property with the juvenile court. Can the county attorney be made to cause her to file a list of all property and indebtedness? What way, beside breaking the will, is there for us to guard against fraud and still hold our rights to one-half of the property?

Marion County.

X. X.

Under the Kansas Statutes, Chapter 117, General Statutes of 1868, which is also Chapter 117 of the General Statutes of 1905, any person of sound mind and memory, having an interest in real or personal property, may by last will and testament give such property to any person, subject to the rights of creditors and the provisions of this act.

While, in general, a will must be in writing and signed at the end thereof by the person making the same or by some other person in his presence and by his express direction, and must be attested and subscribed in the presence of the person making the will by two or more competent persons who saw the testator subscribe or heard him acknowledge the same, provision is made for a verbal will in Section 69 of the act with relation to wills.

Under this Section, if made in the last sickness, a verbal will is valid in respect to personal estate, if reduced to writing and subscribed by two competent witnesses within ten days after the speaking of the testamentary words, and if it be proved by said witnesses that the testator was of sound mind and memory and not under any restraint, and called upon some person present at the time the testamentary words were spoken to

bear testimony to said deposition as his will.

Several sections of the law are devoted to the question of competency of witnesses. The method of procedure to establish the validity of a will is intended to guard against wrong and to protect the rights of persons having natural or testamentary interests in the estate. If the required proceedings have not been had the will is of no effect and the property should be distributed one-half to the widow and the other half to the children of the deceased.

If proceedings have been had and the validity of the will has not been contested within two years after probate the will is binding except as to persons under age or having some other legal disability. Such persons may bring contest proceedings at any time within two years after becoming of age or the removal of other legal disability.

The mode of contest is by civil action. In bringing such action always secure the services of a competent and honest attorney; but before ordering legal proceedings ask the attorney to examine the case with care, and to give an opinion on the merits of the case. Pay the attorney for his services whether his advice favors or is against action. If no action be brought his fee should be moderate.

After reading this editorial and perhaps examining the records of the probate court the children may be able to arrive at a tolerably safe conclusion as to their rights and to so present the situation to the widow as to secure a satisfactory adjustment by agreement without outside assistance; or, failing in this their attorney may be able to render such assistance as to secure justice without litigation. By all means, try to have right prevail without resort to the tedious and expensive courts.

The county attorney has no official duties in such cases.

IS THE WILL VALID?

EDITOR KANSAS FARMER:—A wife makes a will giving some of her personal property to a near relative. Will the will hold good after her death if she writes it herself, or should some one else write it for her? Is it necessary to have a witness to sign the will?

AN INQUIRER.

Ottawa County.

This inquiry is fully covered in the above editorial entitled "A Question of Wills."

CORN-AND-COB-MEAL—GOPHER EXTERMINATOR.

EDITOR KANSAS FARMER:—Is corn in the ear, when ground, a good feed for horses? I used it last winter with fair results. Please give objections if there are any.

Please give plan to exterminate the field gophers which are so bad in our alfalfa and other fields.

ABRAM BRECHBILL.

Dickinson County.

The feeding value of corn-and-cob-meal has been a subject of inquiry for many years. Users have not at all agreed whether it is more profitable to feed meal made from corn that has been shelled before grinding or to use corn- and cob-meal. The digestion experiments summarized in the tables in Henry's "Feeds and Feeding" indicate that the meal made from a bushel of shelled corn gives more nutriment than is obtained on the average from a bushel of corn ground with the cobs. Considerable loss is shown in the digestion of the protein in the case of the corn-and-cob-meal. The aggregate of the useful results indicate that if the shelled corn were worth 48 cents per bushel, 70 pounds of corn-and-cob-meal would be worth about 46½ cents.

The extermination of gophers was discussed in THE KANSAS FARMER last spring in answer to a correspondent as follows:

"Some farmers have succeeded in greatly reducing their gopher enemies by the use of poisoned pieces of potatoes. A little strychnin is inserted in a small piece of potato; a hole is made into the gopher's run with a piece of wood, say something like a fork handle. If this is shod with a sharp steel

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point and provided with a bracket for the foot, so much the better. A small iron rod, like a wagon end-gate rod, is used to locate the run. The hole being made, the poisoned bait is dropped in. The gopher is expected to attend to all further needed operations.

"Strychnin is very bitter and soon imparts its taste to the entire bait. On this account some have thought it necessary to defer poisoning the bait until ready to use it.

"Other vegetables are said to answer as well as potatoes for bait.

"The Kansas Experiment Station at Manhattan prepares a poison which is used with grain. It is said to be very effective for gophers. The station buys its poisons at wholesale, prepares them in large quantities, and sells them at about the cost of production. Directions for using accompany the poisons.

"The McFarland Chemical Company, of Topeka, formerly prepared a gopher poison ready for use. It is said to have had an odor which attracts the gophers and a taste which they like, besides being far more poisonous than strychnin. THE KANSAS FARMER is not advised whether or not this is now on the market.

"Our correspondent is right in saying that he must kill the gophers out of his alfalfa now. They take bait readily while their food supplies are less abundant and less varied than later in the season. They do great damage in the alfalfa."

A gopher exterminator is advertised on page 1302 of this paper. It is said to do excellent execution when properly use.

ONE OF SEVERAL HEIR'S WANTS TO SELL HIS INTEREST.

EDITOR KANSAS FARMER:—A and B join farms. B consists of five heirs all of age, except one who is 14 years old. The administrator's time expires in about 15 months. He is also guardian of the minor boy.

One heir, of age, wants to sell his undivided one-fifth in 160 acres to A.

A would like to know if he could buy this one share and how should he do it to avoid any trouble in the future? Can it be sold before this one boy is of age? In other words is it a safe thing to do not knowing whether A could buy out the other heirs?

A SUBSCRIBER.

Pottawatomie County.

If the property has not been divided under proceeding in the probate court, A might buy the interest of one of the heirs, but he would get an "undivided interest." This is not a satisfactory interest to buy on account of getting

too many partners. The better plan is to ask the heir who wants to sell to institute proceedings in the probate court for distribution of the property. If satisfactory division can not be made, the court may order appraisal and sale of the entire farm. The court will see that the minor's interests are properly protected. Title conveyed under such proceedings will be as perfect as that of the heirs before division was made.

TAXATION.

EDITOR KANSAS FARMER:—We sold our place in an eastern county, receiving part cash and taking six equal notes at 6 per cent. One note was payable March 4 each year until all was paid.

We bought land here, in Sheridan County, paying part cash and gave our notes, one to be paid on or before March 10 of each year with interest at 6 per cent. We pay taxes on the land. We would pay off our indebtedness sooner could we get the money for our other place.

Will we have to pay taxes on the land also on the notes we hold? The notes would pay the debt on the land. Sheridan County. SUBSCRIBER.

If these notes and land are on the tax rolls for this year the taxes will have to be paid.

The new State Tax Commission is laboring diligently and with rare ability to interpret the new tax law passed by the last Legislature. It would be hard to find three abler or more conscientious men than those who compose this commission. It is hoped that the new law will, under the administration of these men, result in a fairer system of taxation than the State has ever had. Thus far the subject of this correspondent's inquiry has not been reported on by the commission. As soon as it shall have been determined what the requirements of the new law are a statement of the conclusions reached will doubtless be published.

HOMESTEAD LANDS.

EDITOR KANSAS FARMER:—Will you please send me a list of the Government lands that are to be taken as claims and homesteads in the State of Kansas?

F. L.

Sumner County.

There are no available lists of the lands subject to homestead. However, our correspondent can obtain from the General Land Office, Washington, D. C., a statement of the amount of vacant land in each county in any land district in the State. With this,

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our correspondent may be able to select a locality likely to interest him. If he can determine a township of which he desires more specific information, he can obtain a township diagram, showing entered land in such townships by writing to the local land office in whose district the land is situated and inclosing a fee of one dollar. Lands not entered or reserved for some public purpose are vacant.

The land offices are three. They are located at Topeka, Dodge City, and Colby. Lands in Eastern Kansas are in the Topeka district; lands in Southwestern Kansas are in the Dodge City district; and lands in Northwestern Kansas are in the Colby district.

SELLING MINORS' PROPERTY.

EDITOR KANSAS FARMER:—Has a widower or a widow a right to sell their land without the consent of their children? The children are all over 21 years old. A READER.

Ottawa County.
If the title to the land is in the name of the surviving parent, that parent can sell and deed it without consent of the children.

If the title to the land is in the name of the deceased parent, the children have a half interest in it and the surviving parent can sell no more than his or her half interest. Any child may also sell his interest. These are "undivided interests" until division has been made. Such undivided estates should be acted upon by the probate court and equitably divided. In cases where there is no contest the expense is not great. After distribution the surviving parent can sell his or her portion without consent of the children.

TO THE PURCHASER OR TO THE SELLER?

EDITOR KANSAS FARMER:—I have sold my farm and would like to know whether the wood pile and posts laying around belong to the purchaser or to me? The wood and posts were not reserved. RICHARD HAWLEY.

Greenwood County.
When it is not stipulated that "the wood pile and posts lying around" shall go to the purchaser of the land, they remain the property of the seller, just as do his plows, harrows, wagons, grain in the bins, and his household goods. These are "personal property." If the posts are set in the ground so as to be a part of a fence or other structure attached to the land, they are a part of the realty and go to the purchaser of the title.

TANNING ROBES.

EDITOR KANSAS FARMER:—Can you give me an efficient receipt that could be used in tanning hydes for robes, rugs, or like articles? JOHN S. CANFIELD.

Republic County.
If any reader has a satisfactory tried recipe for tanning robes and will send a copy to this office, THE KANSAS FARMER will print it for the benefit of its readers.

The Denver & Rio Grande Railway, which takes an active interest in the material development of the country through which it operates, reports that more than 45,000 people have already set up household goods in Colorado since the opening day of the present year, and that more are coming.

The thirty-ninth annual report of the Missouri State Board is a valuable book of over four hundred pages. It contains timely information on breeding and feeding live stock, improving the fertility of the soil, growing crops, dairying, agriculture and live-stock statistics. The book is a credit to the secretary of the board, Mr. Geo. B. Ellis.

Students of the financial situation will be interested and profited by reading the excellent paper on "Banks" prepared for this week's KANSAS FARMER, on request of the editor, by Scott Hopkins, trust officer of the Prudential Trust Company and vice-president of the Prudential Savings Bank, both

of Topeka, Kans. It is well for every person to become acquainted with the usual course of financial movements and to observe the needs of improvements in the country's financial machinery. These are described with remarkable clearness in Mr. Hopkin's paper. The disturbed situation in financial matters, which is now happily passing away, render this discussion especially timely and interesting.

Miscellany

KANSAS STATE HORTICULTURAL SOCIETY.

GREETING AND PROGRAM.

The time for our forty-first annual meeting is approaching. We cordially invite you to attend this gathering. Our State has within its borders seventeen million fruit-trees, and more than twenty thousand acres in vineyards and small fruits. We meet to learn how best to care for these, and to disseminate the knowledge gained by our citizens through nearly half a century of fruit-growing, in order that we may continue to grow the best fruit successfully. We need your help and experience. Come and get the best horticultural knowledge—that derived from talks and discussions with practical fellow-horticulturists.

This season, owing to adverse climatic conditions, has failed to yield the rewards anticipated. It is to be expected that some will drop out of our ranks, but let us close up and touch elbows. Better seasons will prevail, and with better methods in selecting soils and varieties, in cultivating, fertilizing, spraying, and in handling and marketing, the reward ought to be great for those who intelligently persevere.

Officers, 1907-'08.—President, Edwin Taylor, Edwardsville; vice president, Edwin Snyder, Oskaloosa; secretary, Walter Wellhouse, Topeka; treasurer, E. G. Hoover, Wichita. Trustees—First District, A. E. Dickinson, Meriden; Second District, C. V. Holsinger, Rosedale; Third District, F. L. Kenoyer, Independence; Fourth District, C. C. Cook, Eskridge; Fifth District, Wm. Cutter, Junction City; Sixth District, J. J. Alexander, Norton; Seventh District, C. A. Blackmore, Sharon; Eighth District, Geo. A. Blair, Mulvane. Entomologists—Prof. E. A. Popenoe, Manhattan; Prof. S. J. Hunter, Lawrence.

Question box always open to those interested.

After every day paper or report, discussion pertinent to the subject, limited by the will of the presiding officer, will be in order.

Following is the program:

THURSDAY, DECEMBER 26, 2:00 P. M.
Trustees will hold a short session.
3:00 P. M.

Prayer by Rev. Charles M. Sheldon, pastor Central Congregational Church, Topeka.

Annual report of trustees, by congressional districts, on horticultural conditions and progress.—First District, A. E. Dickinson, Meriden; Second District, C. V. Holsinger, Rosedale; Third District, F. L. Kenoyer, Independence; Fourth District, C. C. Cook, Eskridge; Fifth District, William Cutter, Junction City; Sixth District, J. J. Alexander, Norton; Seventh District, C. A. Blackmore, Sharon; Eighth District, Geo. A. Blair, Mulvane.

Communications.
Appointment of committees on credentials, new membership, auditing, obituaries, and resolutions.

"Cherries"—A. B. Smith, Topeka.

7:30 P. M.

Address of Welcome—Mayor William Green.

Response to Welcome—President Edwin Taylor.

Song—Mrs. B. B. Smyth.

"Care and Treatment of Bearing Orchards"—W. H. Underwood, Hutchinson.

"Selection and Care of Soils for Fruit-growing"—Prof. Charles W. Burkett, director experiment station, Manhattan.

FRIDAY, DECEMBER 27, 9:00 A. M.

Prayer by Rev. S. S. Estey, pastor First Presbyterian Church, Topeka.

Report of Officers—Report of president, Edwin Taylor; report of vice president, Edwin Snyder; report of retired secretary, William H. Barnes; report of secretary, Walter Wellhouse; report of treasurer, E. G. Hoover; report of official entomologist, Prof. E. A. Popenoe; report of official entomologist, Prof. S. J. Hunter.

Report of committee on credentials.

Report of committee on audit.

"Cold Storage"—F. W. Dixon, Holton.

Trustees for First, Third, Fifth, and Seventh congressional districts will be

elected on opening of afternoon session.

Note.—Votes for officers can be cast by life members, annual members of one year's standing, and not over two delegates (or their alternates) from each active horticultural society within the State.

1:30 P. M.

Election of trustees for First, Third, Fifth and Seventh congressional districts.

"Commercial Gardening"—A. V. Wilson, Muncie.

"Grape-growing" (illustrated with charts)—Hon. C. A. McNabb, Secretary State Board of Agriculture, Oklahoma.

"Fungi"—Dr. L. C. R. Smyth, Topeka.

7:30 P. M.

"Burbank and His Work" (illustrated with lantern slides)—Prof. W. A. Harshbarger, Washburn College.

Music.

"High-class Trees and Shrubs" (illustrated with stereopticon)—Albert Dickens, Professor of Horticulture, Kansas State Agricultural College, Manhattan.

Music.

"Roman Horticulture"—Prof. W. J. Greer, Washburn College.

Music.

SATURDAY, DECEMBER 28, 9:00 A. M.

Prayer.

"Barb Wire vs. Hedges for Western Kansas"—Dr. G. Bohrer, Lyons.

"Small Fruits"—Geo. W. Holsinger, Rosedale.

"Strawberries, from Planting to Fruitage"—B. F. Smith, Lawrence.

Unfinished business.

Report of committee on membership.

Report of committee on obituaries.

Report of committee on final resolutions.

Discussions on girdling, borers, rabbits.

All sessions of our meeting will be held in the Supreme Court room, on the second floor, east side of south corridor in Statehouse. Our headquarters will be in the new rooms of our society, on the fourth floor, west side of north corridor.

These meetings are open to every one. Come and give us encouragement by your presence. Ask questions and give your experience.

You are cordially invited to add your name to our roll of membership.

WALTER WELLHOUSE,

Secretary.

Keep Down Taxes.

To the Taxing Officers of Counties, Cities, Townships, and School Districts: It is made the duty of the tax commission, in chapter 408 of the Laws of 1907, to confer with, advise and direct all officers who have duties to perform under the laws relating to assessment and taxation.

The only practical way to reach so large a number of officers, some ten thousand or more, is by correspondence; hence this communication.

The commission is, of course, warranted in presuming that every assessing or taxing officer will do his utmost to see that the law is efficiently and strictly enforced. With such an administration of the law there will be a large increase in assessments.

It is a matter of common knowledge that, under the assessments heretofore made, all kinds of property have been more or less undervalued. In very few taxing districts has the assessment of property been as high as forty per cent of its actual value in money. Usually the rate has ranged from twenty-five per cent down to ten per cent. An assessment at actual value in money, as the law directs, will cause assessed values to be increased variously from 150 to 900 per cent.

As the Legislature made no provision for a decrease in levies proportional to increased assessments, it would seem that there may be opportunity to increase the amount of taxes in the several taxing districts. It must be apparent to any one who gives the subject even slight consideration that the Legislature, by providing for an increased assessment, did not intend thereby to authorize increased taxes. On the other hand, the intent evident throughout the law is, that the burdens of taxation shall be lessened by securing the assessment of property which has heretofore escaped taxation, and further, that the burdens among taxpayers shall be equalized and made relatively more just than they have been in the past.

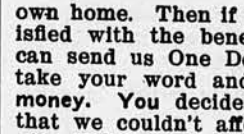
The commission holds it to be clearly the duty of every officer who has to do with laying taxes to see that the levy is reduced proportionately as assessments are increased, and that only such a percentage in mills upon the dollar is levied as will raise a tax equal to, and not in excess of, the amount that could have been raised under the assessment made last be-

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fore the taking effect of the new law.

Public sentiment will, undoubtedly, sustain all officers in such action, and will most assuredly condemn any attempt to increase the tax burdens.

Kindly have this letter read by all officers who are associated with you upon any board of levy, and also please reserve and read the same at the next meeting of the board which is convened for the purpose of levying a tax.

By order of the commission.

J. H. SMITH, Secretary.

Beware of the Atlas Graft.

EDITOR KANSAS FARMER:—I would warn the people against a graft which has been worked in Payne County, Okla., and which I understand is now being worked in Kansas. A slick-tongued woman, or perhaps a man, will call on you and state that a company is getting up an atlas of your county. She, or he, will ask you for a description of your farm, location of pond, buildings, orchard, etc., it being their intention to give a description of every farm in the county, with much other valuable information.

After the information has been written the agent asks you to sign your name, some signed below the description of their land and others on a blank paper.

In about six months another grafter comes around claiming to have your signed contract for a copy of the atlas for which they only ask \$15.

He leaves the book in spite of protests and he is soon followed by two or more collectors who endeavor to scare or wheedle money, or notes, out of the victims.

How the signatures were gotten on to the contract is immaterial, the fact remains that it is a graft, pure and simple.

The atlas itself is an inaccurate, cheaply gotten up affair which might possibly sell for \$2.

This is the way the graft was worked here, although it may be varied somewhat in your locality.

If the warning should reach you too late and you should find later that you have been victimized stand together and resist, as such a contemptible set of grafters will hardly attempt to use the courts, no matter what they say to the contrary.

It is not the intention of this article to injure any reliable publisher who may be engaged in getting out an honest product and selling it in an honest manner, but merely to warn you against rogues.

FARMER.

Payne County, Okla.

Dean Davenport's Opinion About the Chicago Stock Show.

With every passing year the importance of the International Exposition in the development of American livestock interest is becoming more and more evident. The exposition differs

from the ordinary fair in the prominence given to actual market conditions. Located as it is beside the greatest live-stock market in the world, and coming as it does at a season when the best of stock is passing through the yards, the exposition has the advantage of the stock yards' transactions. The Union Stock Yards, therefore, with their immense and thoroughly typical business, becomes a kind of annex to the exposition itself and serves to temper in many ways the rather artificial atmosphere that is so likely to be built up around the grounds where the best animals of all breeds are congregated. The conditions are therefore ideal for constituting the exposition and its surroundings a kind of clearing house for the live-stock interests, as it is also a mirror for their very faithful presentation. There is less of the artificial and more of the real, less of the phenomenal and more of the actual in breeding than would be possible at any other point, certainly in America. These natural advantages combined with the liberal policy of the management, make the exposition an ideal place for the man who would keep posted in live stock progress. Here is where ideals will be largely set and new departures in breeding largely determined.

The exposition should commend itself to young men whether they are to be breeders of pure-bred animals or producers of market stock. In either case they need to become personally familiar with what is actually being done in our great breeding yards and with what the market really wants.

E. DAVENPORT.

Dean of Agriculture, University of Illinois.

The Principles of Breeding Thremmatology.

This is a new work by Eugene Davenport, Dean of the College of Agriculture, Director of the Agricultural Experiment Station, and Professor of Thremmatology in the University of Illinois.

Professor Davenport's treatise on this subject of widespread and popular interest is the most comprehensive work of the kind ever attempted. The author is dealing with his specialty, and his experience on the farm and in the laboratory has enabled him not only to understand the problems of the breeder but also to treat his subject authentically in the light of the latest developments in biological science.

He has presented the science in an entirely new aspect, that is, he has made variation instead of heredity the initial thought. The portion treating of the statistical method of study in heredity is the first of its kind in agricultural literature.

The aim of the author is to present a safe and reliable text rather than to construct new theories of evolution. He has adapted his material especially to the student in the junior year of his college course, and to the practical breeder on the farm, care having been taken to present the technical matter in a way easily comprehensible to the student of breeding who may not be familiar with the phrasology of biological literature.

The text, however, is thoroughly scientific in its treatment, and will therefore appeal to the student of evolution and of sociology as well.

The footnote references are to standard authors, and the additional references at the close of each chapter enable the student to pursue a particular subject further if desired.

Ginn & Company, Boston, Mass., are the publishers.

The Shawnee County Horticultural Society will hold its regular December meeting in the rooms of the State society at the State-house on Thursday afternoon, December 5, with the following program:

"Most Beautiful Roadway"—Mrs. Wm. A. Johnston.

"Diseases of Trees"—Bernard B. Smyth.

The program is to be followed by reports of officers for the past year and election of new officers for the ensuing year. This is the regular annual meeting.

"Does It Pay to Have A Telephone?"

The farmer who depends upon roundabout rumor for his knowledge of prices current on cattle, grain and hay, stands to lose money; for while the word of a good price is reaching him the market is likely to drop.

The farmer who has a telephone can get the latest up-to-the-minute quotation at any time—and can sell his products when prices are highest.

That is one of the times and one of the ways in which it pays to have a telephone—that is, a *reliable* telephone. The sort of telephone that balks or goes off duty when you are depending upon it most never pays anybody to own at any time.

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Standard "BELL" Apparatus and Equipment

—the sort that daily carries the most important business of the country—and you will have a telephone that will pay you in a hundred ways.

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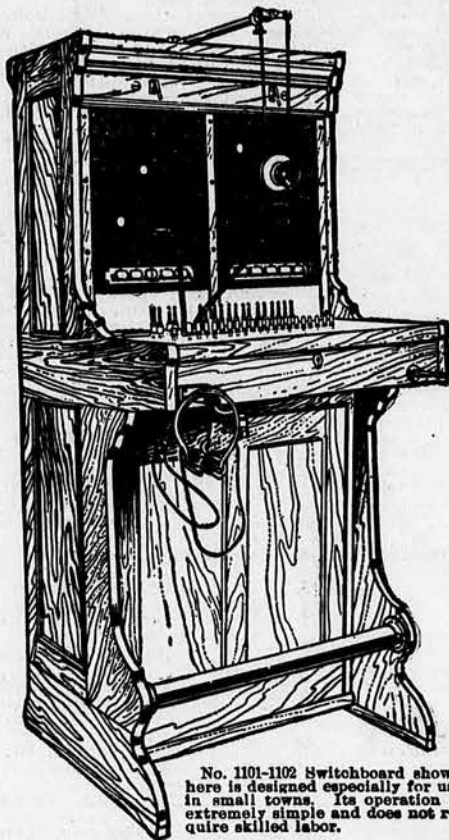
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Institute Schedule.

Following is a list of farmers' institutes arranged for the fall of 1907, giving dates and speakers from the Agricultural College, and in a few instances speakers of some note not connected with the college:

SOUTHCENTRAL CIRCUIT.

Mulvane, Friday and Saturday, November 29 and 30; Wheeler and Kendall.
Sedan, Monday, December 2; Dickens and Schoenleber.
Cedarvale, Tuesday, December 3; Dickens and Schoenleber.
Burden, Wednesday, December 4; Dickens and Schoenleber.

Hackney, Thursday and Friday, December 5 and 6; Dickens, Schoenleber, and Miller.
Wellington, Friday and Saturday, December 6 and 7; Dickens, Schoenleber, and Miller.

WESTERN (MISSOURI PACIFIC) CIRCUIT.

Learess, Monday, December 9; Wheeler and Miller.
Tribune, Tuesday, December 10; Wheeler and Miller.

Leoti, Wednesday, December 11; Wheeler and Miller.
Scott City, Thursday, December 12; Wheeler and Miller.

Dighton, Friday, December 13; Wheeler and Miller.
News City, Saturday, December 14; Wheeler and Miller.

McCracken, Monday, December 16; Wheeler and Miller.

Lindsborg, Tuesday, December 17; Wheeler and Miller.
Council Grove, Wednesday and Thursday, December 18 and 19; Wheeler and Miller.

WESTERN (UNION PACIFIC) CIRCUIT.

Ellsworth, Monday and Tuesday, December 9 and 10; Burkett, Calvin, Kinzer, and Phipps.
Russell, Tuesday and Wednesday, December 10 and 11; Burkett, Calvin, Kinzer and Phipps.
Hays, Wednesday and Thursday, December 11 and 12; Burkett, Calvin, Kinzer, and Phipps.

Wakeeney, Thursday and Friday, December 12 and 13; Burkett, Calvin, Kinzer, and Phipps.
Grainfield, Friday, December 13; Burkett and Calvin.

Oakley, Saturday, December 14; Burkett and Phipps.

Goodland, Saturday, December 14; Dickens and Kinzer.

NORTHWESTERN CIRCUIT NO. 1.

St. Francis, Monday, December 16; Dickens and Kinzer.

Atwood, Tuesday, December 17; Dickens and Kinzer.

Oberlin, Wednesday and Thursday, December 18 and 19; Dickens and Kinzer.

Norocatur, Friday, December 20; Dickens and Kinzer.

NORTHWESTERN CIRCUIT NO. 2.

Colby, Monday, December 9; Willard and Kendall.
Jennings, Tuesday, December 10; Willard and Kendall.
Lena, Wednesday, December 11; Willard and Kendall.

Logan, Thursday, December 12; Willard and Kendall.
Kirwin, Friday, December 13; Willard and Kendall.

Gaylord, Saturday, December 14; Willard and Kendall.

Stockton, Monday and Tuesday, December 16 and 17; Willard and Kendall.

Osborne, Wednesday, December 18; Willard and Kendall.

Downs, Thursday, December 19; Willard and Kendall.

Glascow, Friday, December 20; Willard and Kendall.

NORTHEASTERN CIRCUIT.

Holton, Monday and Tuesday, December 16 and 17; TenEyck, Mrs. Calvin, Schoenleber, and Webster.

Eflingham, Tuesday and Wednesday, December 17 and 18; TenEyck, Mrs. Calvin, Schoenleber, and Webster.

Hiawatha, Wednesday and Thursday, December 18 and 19; TenEyck, Mrs. Calvin, Schoenleber, and Webster.

Oneida, Thursday and Friday, December 19 and 20; TenEyck, Mrs. Calvin, Schoenleber, and Webster.

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Over \$1,000 in Money and Useful Articles.

Send for full list of free gifts of money, fur coats for winter, plates, tea set, also list of prizes given for best foolish verse, also \$1,000 in prizes for solution of novopex puzzle—all given away free.

Send for premium list and sample copy of magazine. Premium Department, Everday Life Magazine, 182 Main St., Buffalo, N. Y.

Field Notes

LIVE STOCK REPRESENTATIVES.

J. W. Johnson.....Kansas and Nebraska
L. K. Lewis.....Kansas and Oklahoma
Geo. E. Cole.....Missouri and Iowa

The man who holds the honor of having paid the highest price ever realized for a Poland-China boar, \$5,125.00, is T. M. Chambers, of Oswego, Kans., who holds a public sale on December 3, as per announcement in our advertising columns. Watch for detailed particulars next week.

The date of the Shepard and Mullin combination Duroc-Jersey bred sow sale at Abilene, Kans., is January 20. About forty head will be sold and twenty head of the best will be drawn from each herd. Both herds are located near Abilene.

Chas. M. Johnston, Secretary of the Improved Stock Breeders Association of the Wheat Belt, Caldwell, Kans., has issued a call for consignments for the fifth annual sale which will be held at Caldwell, on February 12, 13, and 14. These entries can only be made by members of the association and subject to the association rules. This is one of the largest associations of its kind in the United States and its influence has been a powerful one for the advancement of the pure-bred interests of Kansas and Oklahoma.

C. M. Garver, the well-known breeder of Shorthorns and Poland-Chinas at Abilene, Kans., has decided to disperse both his herd of Shorthorns and Poland-Chinas. About forty-five head of cattle will be sold and about the same number of bred sows, and also his great herd-boar Stem Winder. The cattle offering will be made up of cows, heifers, young bulls of serviceable age, and his well-known herd bull. The Poland-Chinas will be equally as attractive. Twenty-five Highland Chief sows bred to Stem Winder will be sold. The date of the sale is February 17, at Abilene, Kans.

E. J. Gullbert, of Gill, Logan County, Kans., who owns the Smoky Hill Ranch and who lately bought the entire Galloway herd of Geo. M. Kellam of Richland, Kans., writes that the cattle are doing well and the calves are a splendid lot—not a cull among them. They are all nicely located in a good lot with shed and feed-rack full of alfalfa all the time. In addition to the fine bunch of calves which came to Mr. Gullbert through the Kellam herd he has a number that were dropped by his home herd and will be well fixed to supply the trade with high-class breeding animals.

Mr. John H. Wood, of Merriamdale Farm, Topeka, Kans., makes a special offer of some very choice Poland-Chinas in the special want column this week. He offers his herd boar, Duke of Shawnee by Proud Eyes Sunshine 63003 out of Gold Dust by Hadley U. S. A. 55967, for quick sale. This boar has proved an excellent breeder and is only sold because he can not be used longer in the herd. Any one wanting a tried herd boar can get a bargain here. He also offers a number of tried sows and gilts of the same breeding. This is good stuff and will be sold right. Get busy and see this herd or write your wants.

A. M. Jordan, breeder of Poland-Chinas, Alma, Kans., writes: "I have a fine lot of spring boars and gilts out of large, prolific dams and by sires such as Advance by Chief Perfection 2d; Grand Mischief, a grandson of Grand Chief and Mischief Maker, a grand individual; Chief On and On, the Kansas champion of 1907, and others of the best breeding. These pigs are in fine condition for breeding. They are trifty, growthy, and are not to fat. A guarantee goes with everything old enough for breeding. We have cut out the expense of a public sale with the consequent expensive advertising and give our customers the benefits in low prices: \$15 to \$17 for spring pigs and \$5 each for fall pigs, crated free on board either the Rock Island or Santa Fe railroads."

L. E. Kretzmier, a well-known Duroc-Jersey breeder of Clay Center, Kans., has recently purchased a half interest in Young Orion, the great yearling boar owned by M. W. Albertson, of Miltonvale, Kans. Young Orion was sired by Dandy Orion, dam Alice Lee, a granddaughter of Kant Be Beat. At Hutchinson this season he won first in class, reserve championship and sweepstakes. Also first in class at both the Cloud and Clay County fairs. The price paid for a half interest was \$300. Mr. Kretzmier is breeding a number of gilts and sows to him that have for their sires some of the best-known herd-boars in the country and these gilts are for sale at living prices. You are going to hear from Young Orion later as you have in the past.

There never was a better time to buy pure-bred stock than to-day. Every shrewd buyer certainly realizes this. In this connection we call special attention to the auction sale of Aberdeen-Angus cows and bulls of leading families of the breed to be sold at the Allendale Farm, near, Iola, Kans., on Thursday, December 12, 1907. Anderson & Findlay, who have one of the oldest and best herds in the West, offer in this sale the most important collection of fine Aberdeen-Angus cows that has ever been offered in the Southwest. They represent the best families of the breed, and with one or two exceptions, have all been bred or imported by this firm. Write at once for catalogue to T. J. Anderson, Gas, Allen County, Kans., and mention THE KANSAS FARMER.

Howard Reed, of Frankfort, Kans., has a March boar sired by Wineteer he by Granitier and he by Expansion and out of Hiawatha, she by U. S. Jones and he U. S. Tom, which he has used

some this fall but does not need and which he is offering to sell very cheap, considering the fact that he is a very promising herd boar. Things at "Spring Farm" are coming on in fine shape. The date of Mr. Reed's bred sow sale is February 1. We were shown the nice things which he is conditioning for this sale and have no doubt but this will be the banner offering of bred sows of all the good ones he has made. Indiana 2d and E. L's Keep On Jr. are two of the popular young herd boars of the West. Remember the date of Howard Reed's "Hummer" Poland-China bred sow sale this winter is February 1.

In this issue of THE KANSAS FARMER Pearl H. Pagett, the well known Duroc-Jersey breeder of Beloit, Kans., is offering March and April boars, the pick of thirty head now on hand, at prices much lower than anything like as good boars have been priced this season. We visited Mr. Pagett's herd this week and were shown these young fellows, and it is surely an opportunity for the breeder or farmer who is in need of another young male. Mr. Pagett has held this bunch of young males expecting to make a boar sale, but owing to conditions that existed concerning money matters at the time he was intending to sell he thought it best to not attempt it. These boars are in the best possible condition to give the best of service and will be priced very low if you write him at once. Mr. Pagett is the young breeder who has been paying the prices that land the good ones and his herd at Beloit is one of the very best in the State. These young males are mated to the splendid gilts that he is reserving for his bred-sow sale, February 10 at Beloit, Kans. You can take our word for it that you will get a bargain if you write him at once about a boar. Look up his ad and write him to-day.

E. H. Erickson, the Duroc-Jersey breeder of Olsburg, Kans., will sell bred sows at his farm which is located four miles north of Olsburg, where he gets his mail, and about six miles east of Cleburns, which is on the Blue Valley branch of the Union Pacific, and from which point Mr. Erickson's farm is the most easily reached. On January 22, he will sell a draft of bred sows that have been carefully selected from this season's big crop of gilts and a few tried sows and fall yearlings. The day following Samuelson Bros., Bala, Kans., will sell a draft of Duroc bred sows. Their place is easily reached from Mr. Erickson's, and the quality of Durocs found at the Samuelson farm is pretty well known. The foundation stock in both herds have been drawn from the best herds in the country and these offerings of bred sows are of the best, both in breeding and individual merit. Mr. Erickson's herd was visited recently and he is offering some very choice young males sired by Tip Top Notcher and out of a dam by Best of Topnotcher. She was bought of G. W. Seckman of Ripley, Ill., last spring, and the three spring boars which are very growthy and really very toppy have been held with a view of developing them. Mr. Erickson will price them now and if you are looking for breeding and individuality combined write him at once. He has several others of different breeding which he will price very low to move them. They are well grown out and are good. He also has two fall boars, one sired by Ohio Chief 2d and the other by Orion Jr.

Maupin Sells Poland-Chinas.

One of the attractive offerings of the year was the one that Robt. E. Maupin, of Pattonsburg, Mo., run through the auction ring on Wednesday, November 20. Notwithstanding a continuous downpour of rain all day long, the spacious tent that he had provided for the occasion was packed with interested buyers and spectators. The offering was in the pink of condition and belongs to the aristocracy of Poland-Chinadom.

Mr. Maupin has visited some of the very best herds of this country and purchased as good hogs as money and good judgment can buy, and offered their produce at public auction.

The sale was a spirited one throughout. One of the interesting features of the action was the sale of the young boar, Herpicide, a show prospect, that was purchased by Chas. E. Tennant, of New Hampton, Mo., for \$750. This pig is full of quality, and in the hands of Mr. Tennant, promises to develop into something fine.

There were about 70 head sold and average \$68 per head. Following are some of the representative sales. The sale was conducted by Cols. Sparks and Zaun:

BOARS.

2. Herpicide, by On The Dot, C. E. Tennant, New Hampton, Mo. \$750.00
6. Correct Type, by Corrector, D. B. Marsh, Amity, Mo. 96.00
- Extra, by Corrector, S. P. Daniels, McFall, Mo. 31.00
10. Classbinder, by Spellbinder, Geo. S. Aldrich, Pattonsburg, Mo. 80.00
15. Sunshine Defender, by Defender, Wm. Danner, Pattonsburg, Mo. 30.00
17. Perfection Ione, by L. & W. Perfection, Geo. J. Hibbs, McFall, Mo. 42.50
27. Stylish Corrector, by Corrector 2d, J. H. Lyon & Son, Sturgeon, Mo. 52.00
32. Standard Bearer, by Midwood Perfection, S. B. Lewis, Pattonsburg, Mo. 50.00
41. Best Sunshine, by Chief Sunshine 2d, W. J. McKibben, Union, Ill. 37.50

FEMALES.

1. Meddler's Clipper, by Meddler, J. R. Young, Richards, Mo. 100.00
3. Polka Dot, by On The Dot, J. C. Hanna, Middletown, Ia. 250.00
4. Miss Dot, by On The Dot, S. H. Kaylor, Macon, Ill. 75.00
7. Classical Girl, by Spellbinder, Frank Wolgamuth, Elgin, Ill. 800.00
8. Miss Classical, by Spellbinder, B. F. Ishmael, Laredo, Mo. 230.00

9. Miss Classical 2d, by Spellbinder, Mr. Wingate, Trenton, Mo. 175.00
11. Leona 2d, by Defender, B. F. Ishmael, 50.00
12. Leona 3d, by Defender, Linc Lukens, Disko, Ind. 60.00
18. Miss Ione, by L. & W. Perfection, Kirkman Maupin, Pattonsburg, Mo. 40.00
19. Faultless E. L., by Perfection E. L., B. H. Colbert, Tishomingo, Okla. 90.00
20. Faultless Again, by Perfection E. L., C. E. Tennant, New Hampton, Mo. 52.50
21. Faultless Perfection, by Perfection E. L., Knopp Bros., Pleasant Hill, Mo. 45.00
23. Stylish Lady, by Corrector 2d, E. G. Leslie, Memphis, Mo. 125.00
24. Stylish Girl, by Corrector 2d, Matthews Bros. & Hufford, Ellettsville, Ind. 50.00
25. Stylish Beauty, by Corrector 2d, C. E. Tennant, 125.00
26. Stylish Daisy, by Corrector 2d, B. N. Richardson, Marango, Ia. 75.00
29. Diana 2d, by Regulator, F. A. Dawley, Waldo, Kans. 200.00
30. Diana 2d, by Regulator, G. S. Aldrich, 72.50
37. Carbor Lady, by Carbor, S. P. Daniels, McFall, Mo. 40.00
38. Carbor Girl, by Carbor, S. P. Daniels, 40.00
34. In Fashion, by Midwood Perfection, T. S. Wilson, Hume, Mo. 62.00
35. Sporting Girl, by Sporting Imp, S. P. Daniels, 36.00
43. Lady Sunshine, by Chief Sunshine 2d, H. J. Hemmerling, Dike, Ia. 59.00
61. Lela Bracelet, by Carbor, C. A. Curtiss, Pattonsburg, Mo. 43.00
62. Mabel, by Carbor, J. Fanning, 40.00
74. (extra) Sow by Chief Perfection 2d with litter of 10 pigs by Carbor, Rolla Bray, Pattonsburg, Mo. 140.00

Oerly's Sale at Oregon.

The North Missouri sale circuit was brought to a fitting close on Saturday, November 23, when F. F. Oerly, of Oregon, Mo., sold about 50 head of red hot Poland-Chinas sired by Meddler, Meddler 2d, and Meddler Maker.

Much had been said about the greatness of this offering before the sale by all who had seen them. Mr. Oerly, in his announcement, says "come to my sale and I will show you the goods." He certainly made this good on sale day, for a better offering is seldom seen in any sale ring. Almost every animal was in show-yard condition and the richness of their breeding appealed to the most critical breeders of the Poland-China hog.

The great breeding boar, Meddler Maker, that heads his herd, was on exhibition, and was the admiration of all who looked at him. He possesses that symmetry, style, and carriage that would attract attention in any company, and his get are of the highest order. He is truly one of the great boars of the breed, and is destined to fame in this good herd.

This was indeed a day that will not be forgotten soon by the many who attended this sale. The Commercial Club took the matter of receiving the guests in hand and they did their work nobly. The city was thrown open to the "hog men" and every possible courtesy was extended to them to make their stay pleasant, and this bespeaks the high esteem in which Mr. Oerly is held in his own community. It was the expression of many of the boys that the business men of Oregon are certainly "live ones." Mr. Oerly is planning for a great sale of bred sows on January 18, 1908.

The sale was conducted by Cols. Sparks, Burger, and Snyder. Following are some of the representative sales:

1. B. F. Ishmael, Laredo, Mo. \$131.00
2. N. L. Planalp, Oregon, Mo. 100.00
3. Chas. E. Tennant, New Hampton, Mo. 160.00
4. Isaac Tyson, Mound City, Mo. 73.00
6. T. S. Wilson, Hume, Mo. 68.00
8. J. R. Young, Nevada, Mo. 65.00
9. W. H. Craig, Hepker, Kans. 46.00
12. Frank Zimmerman, Centerville, Kans. 42.50
16. B. H. Colbert, Tishomingo, Okla. 40.00
17. C. G. Sparks, Marshall, Mo. 96.00
18. F. C. Streeble, Alton, Kans. 89.00
26. (Substitute) W. E. Brown, Maringo, Ia. 102.50
27. E. L. Jimison, Onelda, Ill. 115.00
29. G. A. Brooks, Oregon, Mo. 60.00
33. B. F. Ishmael, 146.00
25. T. M. Chambers, Oswego, Kans. 72.00
36. Mr. Koebel, Wayland, Kans. 86.00
43. N. L. Planalp, 200.00
44. J. M. Balor, Elmo, Kans. 93.00
47. Wm. Wingate, Trenton, Mo. 201.00
48. B. H. Colbert, Tishomingo, Okla. 155.00
49. A. W. Holland, New London, Iowa, 66.00

The average of the entire sale was \$67.42 per head.

E. H. Rutledge Sells Shorthorns.

Tuesday, November 19, E. H. Rutledge, of Little River, Kans., sold twenty-five head of Shorthorns from his good herd to an appreciative crowd of breeders and farmers. In spite of the threatening weather which prevailed and the unfavorable financial conditions which exerted a perceptible influence on the buyers, the cattle brought fairly good prices.

They did not sell for their value, but the fact that they sold as well as they did under the circumstances speaks well for the quality of Mr. Rutledge's offering and showed that there was an active demand for the get of Double Champion, who was the sire of practically all of the young things in the sale.

The offering was well-fitted and in the best possible condition to insure their future usefulness, and were in every way a credit to Mr. Rutledge as a breeder. Geo. B. Ross, of Alden, Kans., topped the sale by paying \$107.50 for Barmpton Lady 2d, a fine Scotch 2-year-old heifer, by Cruickshank Clipper, and out of Barmpton Lady by Barmpton Royal. Breeder's Dream 2d by Secret Scotchman, and

HORSE OWNERS! USE

CAUSTIC BALSAM.
A safe, speedy and positive cure. The safest, most BLISTER ever used. Removes all bunions from Horses, impossible to produce scar or bluish. Send for descriptive circulars.

THE LAWRENCE-WILLIAMS CO., Cleveland, O.

Miss Renick by Liberty Boy each sold for \$102.50, going respectively to Geo. W. Little, of Little River, and H. Wernett, of Windom, Kans.

Cols. Burger and Potter did the selling, and too much can not be said for their effective work, for everything that passed through the ring was made to bring the last cent.

The totals, averages, and sales follow:
18 females ... \$1,262.50; average, \$70.13
7 bulls, 517.00; average, 73.85
25 head, 1,779.50; average, 71.18
Lady Gwynne 3d, H. Wernett, Windom, Kans. \$75.00
Breeder's Dream 2d, Geo. W. Little, Little River, 102.50
Mindy 3d, H. Wernett, 57.00
Miss Renick, H. Wernett, 102.50
Lily, Dr. Ward, Little River, 57.50
Moss Rose of Riverdale, H. Wernett, 92.50
Barmpton Lady 2d, Geo. Rose, 107.50
George Ann, H. Wernett, 67.50
Young Mary 33d, C. Mathews, Holingson, 75.00
Ruby, W. W. Bush, Little River, Sweet Clover, G. R. Williams, Windom, 52.50
Roan Crest 11791, S. Greene, Lyons, 67.50
Scotch Craggs 11792, S. Greene, Red Rose 11790, S. Greene, 50.00
Mona 3d 11788, W. W. Bush, Little River, 42.50
Miss Winnie 11787, W. W. Bush, Belle of Riverdale 11780, B. F. Brankston, Windom, 40.00
Beauty 11779, S. Greene, 77.50
Barrington Lad 200774, S. E. Hayden, Windom, 62.50
Thistletop Duke 281837, Ben Kidd, Windom, 52.00
Victor 281838, H. Wernett, 77.50
Sultan 281836, Jno. Bush, Liberty 281834, C. W. Tilton, Windom, 77.50
Comet 282832, J. C. Mehan, Tam- pa, 62.50
Bull calf, E. F. Hostetler, Windom, 60.00

Tennant's Poland-China Sale.

On Tuesday, November 19, Chas. F. Tennant, of New Hampton, Mo., opened the North Missouri Poland-China sale circuit with a sale of 53 head of royally-bred Poland-Chinas.

The hogs were in splendid condition and a large number of breeders were in attendance to get some of the good things of the offering. The sale was a snappy one from start to finish.

These North Missouri sales are becoming popular throughout the country and are attracting the attention of the breeders of the popular strains of Poland-Chinas throughout the entire corn belt. The gentlemen behind these sales are breeders of experience and ability and what is best of all are men of sterling character and reliability who stand behind their stuff and make them good.

The sale was conducted by Cols. Sparks, Zaun, Wilkerson, and Klass, and averaged \$53 per head. Following is a list of the representative sales:

1. Wm. Wingate, Trenton, Mo. \$230.00
2. G. F. Ishmael, Laredo, Mo. 207.50
3. R. E. Maupin, Pattonsburg, Mo. 210.00
4. S. W. Allen, Bethany, Mo. 52.50
5. J. D. Hartman, King City, Mo. 87.50
6. F. F. Oerly, Oregon, Mo. 100.00
9. B. F. Ishmael, 68.00
14. F. A. Dawley, Waldo, Kans. 180.00
17. F. D. Fulkerson, Brimson, Mo. 50.00
18. N. L. Planalp, Oregon, Mo. 35.00
19. B. H. Colbert, Tishomingo, Okla. 47.50
20. Frank Zimmerman, Centerville, Kans. 37.50
23. J. R. Young, Nevada, Mo. 55.00
24. T. P. Sheehy, Hume, Mo. 42.50

Carter's Dispersion Sale a Success.

Notwithstanding the fact that the day was cloudy and threatening rain, a fairly good-sized crowd gathered at the Carter dispersion sale, which was held at the farm adjoining Asherville, Kans., Wednesday, November 20. Breeders from different parts of the State were present, attracted by the quality of the offering. Eighty-six head were run through the ring, including 26 tried sows, 3 fall yearling sows, 7 spring gilts, 2 spring boars and 48 fall pigs at an average of \$18 per head.

R. G. Sollenbarger of Woodston, Kans., topped the sale, paying \$102.50 for Sooner Briggs, No. 2 of the catalogue with Ole Nordstrom of Clay Center a close second, paying \$100 for Lilly Belle, No. 6 of catalogue. It is quite gratifying to Mr. Carter to know that much of the offering was good enough to go into such herds as that of J. C. Logan, of Westmoreland, J. E. Joines, of Clyde, R. G. Sollenbarger, of Woodston, James Haley, of Hope, Ole Nordstrom, Clay Center, and other noted herds of Duroc-Jerseys of Kansas. Much good useful stock was also taken by the local breeders right at home, showing that Mr. Carter's efforts for the advancement of the Duroc were appreciated among the breeders, both at home and abroad. The success of the sale was largely due to the efforts of the auctioneers and fieldmen who put forth their best individual effort from start to finish. A splendid dinner was served by the ladies of the Christian Church at which all attending the sale were entertained free by Mr. Carter. The auctioneers were John Breanen, Esbon, J. T. McCulloch, Clay Center, W. C. Curphy, Abilene, and F. L. Smith, Beloit; fieldmen, J. W. Johnson, Kansas Farmer, J. R. Johnson, Western Breeder's Journal, and A. B. Adamson, Beloit Daily Call.

26 sows brought \$1001.00; an average of \$40.00.
3 fall yearling sows brought \$73.00; an average of \$24.

9 spring pigs brought \$152; an average of \$17.
 18 July, August, and September pigs brought \$326.50; an average of \$6.80.
 56 head brought \$1,552.50; an average of \$18.
 Following is a list of those selling \$20 or over:

Sooner Briggs, R. G. Sollenbarger, Woodston	\$102.50
Helen Rose, J. E. Joines, Clyde	43.00
Lady Long, John Critchfield, Asherville	40.00
Parker Lilly, J. C. Logan, Westmoreland	47.50
Lilly Belle, Ole Nordstrom, Clay Center	100.00
Johnson's Choice, P. H. Paggett, Beloit	41.00
Asherville Girl, C. W. Charles, Asherville	31.00
Rose of Sharon, Solon Steere, Asherville	28.00
Dandy Edna, John Critchfield	28.00
Fancy X, John Critchfield	35.00
Choice Maid, C. W. Charles	35.00
Polley, J. C. Logan	30.00
Full yearling, T. R. Shull, Asherville	31.00
Matilda, John Critchfield	29.00
Susie, J. W. Mullen, Abilene	31.00
Crimson Peach, James Haley, Hope	43.00
Morning Glory, Solon Steere, Asherville	29.00
Bright Lilly III, Solon Steere	35.00
Bright Lilly IV, W. C. Whitney, Agra	28.00
Helen Repeat, J. C. Logan	31.00
Model Queen, James Haley	38.00
Model Girl, John Critchfield	31.00
Sadie, C. W. Charles	24.00
Miss Perfection, L. D. Paggett & Segrist, Beloit	31.00
Pet, C. C. Weaver, Simpson	23.00
Fancy May, John Critchfield	31.00
Sow, not recorded, John Critchfield	36.00
No. X, gilt not catalogued, W. A. Pearson, Simpson	23.00
Gilt, R. G. Sollenbarger	25.00
July pig, J. E. Joines	20.00
August pig, D. O. Bancroft, Downs	20.00

Missouri Agricultural College Students Win at the Missouri State Fair.

Twenty-two agricultural students from Missouri University entered the State Fair judging contest at Sedalia and won twenty-three out of twenty-five valuable money prizes. The fair here offered \$250 in prizes to be awarded to the best judges of cattle, horses, sheep, and swine. The college men who entered this contest were all trained by the university department of animal husbandry and made a remarkably good showing among the older expert judges of the show.

The judging contest was open to all Missouri boys under 25 years. Great interest was shown in the final results and the good showing of the college fellows was a surprise to the experienced judges present.

The complete list of awards follows:
 Horses.—First, M. G. Coe, Columbus, Mo., \$20; second, Edward Rodekhor, Corder, Mo., \$15; third, W. T. Wasel, Auxvasse, Mo., \$10; fourth, W. R. Cocke, Unionville, Mo., \$5.
 Beef Cattle.—First, H. E. McNatt, Aurora, Mo., \$20; second, T. C. Cochran, Columbia, Mo., \$15; third, Jas. Wadsworth, Monroe City, Mo., \$10; fourth, Edward Rodekhor, Corder, Mo., \$5.

Dairy Cattle.—First, W. R. Cocke, Unionville, Mo., \$20; second, R. H. Mason, Mexico, Mo., \$15; third, C. K. Shellings, Columbia, Mo., \$10; fourth, D. H. Doane, Joplin, Mo., \$5.

Sheep.—First, M. G. Coe, Columbia, Mo., \$20; second, Jas. Wadsworth, Monroe City, Mo., \$15; third, S. D. Dow, Georgetown, \$10; fourth, D. H. Doane, Joplin, Mo., \$5.

Swine.—First, H. E. McNatt, Aurora, Mo., \$20; second, J. M. Ballenger, Columbia, Mo., \$15; third, C. C. Lockwood, Columbia, Mo., \$10; fourth, Maurice Fields, Higginsville, Mo., \$5.

The highest score as the best all-around judge was won by Turner C. Cochran, of Columbia, who received a diploma. Second prize for all-around judge, M. G. Coe.

Sale of Imported Breeding Horses.

We again wish to call our readers' attention to public auction of imported draft stallions and mares that will be held by Watson, Woods Bros. & Kelly Co., at Lincoln, Neb., on Tuesday, December 3. This sale offers an unusual opportunity for farmers to get select imported breeding horses at rock-bottom prices. It is a well-known fact that at a large percentage of the public sales of both cattle and horses, many of the horses go at less than what they would ordinarily bring at private sale. Where horses are put up to be sold to the highest bidder without reserve of any sort, there is bound to be some of them sold at bargain prices. This is the third annual sale held by this firm and, owing to their high standard and being long established in the business, those intending to buy a good stallion ought not to have any doubts about the high quality of every horse to be included in this sale. Every animal was selected by Joseph Watson, the senior member of this firm, who is known to be one of the most capable judges in the country. For the past several years he has been spending most of his time in Europe buying horses. The Kansas Farmer representative at Lincoln, and does not hesitate to say that it is one of the best-bred and best lot of horses individually that he has seen. The horses are in prime condition for hard spring service. They

reached this country in September and are in very fine shape.

This firm now has over forty head of stallions in their barns. While they intend to sell only twenty head of them, not including the mares, in this sale. They offer anyone the right of selecting any horse of the whole forty head which he particularly desires. They feel that they have picked out the best twenty of the forty head, but if any one thinks differently he has the option of choosing any one of the entire forty, which will be put up and sold.

Taking all the above facts into consideration, we feel sure that any farmer who is a reader of this paper and is thinking of purchasing a stallion will find a horse to suit him and can hardly afford to miss this opportunity of getting a horse in this sale in which the bidders are the parties who make the prices. Watson, Woods Bros. & Kelly Co. advise us that they will take cashiers' checks, certificates of deposit or good notes in payment for horses purchased at their sale. See their ad on page 1312.

COMING EVENTS.

December 10-12, 1907—Kansas State Grange, Lawrence, Kans.; A. L. Hunt, Secretary, Olathe, Kans.

December 26-28, 1907—Kansas State Horticultural Society, Whiter Well-house, Secretary, Topeka, Kans.

December 31 and January 1-2, 1908—Kansas State Dairy Association, Manhattan, Kans.; I. D. Graham, Secretary, Topeka, Kans.

January 6-8, 1908—Kansas Improved Stock Breeders' Eighteenth Annual Meeting at Topeka; H. A. Heath, Secretary.

January 6-11, 1908—Poultry Show at Topeka; Thos. Owen, Secretary.

January 8-10, 1908—Kansas State Board of Agriculture at Topeka; F. D. Coburn, Secretary.

Herd-header for Sale.

T. J. Davis, of Nickerson, Kans., is changing his card in this issue of THE KANSAS FARMER and announces that he will sell or trade his Scotch-topped herd bull, Maud's Duke of Wildwood 218428.

This bull is being sold for no fault of his own but because he has too many daughters in the herd. He has proved a valuable breeding animal for Mr. Davis, and his get, which the writer saw show up strong.

Maud's Duke of Wildwood 218428 was calved August 12, 1903. He was got by 198th Duke of Wildwood 148143, and his dam was Lady Maud by 165th Duke of Wildwood 126057.

He is a strong, vigorous fellow with plenty of scale and lots of finish. He has heavy bone, broad back with a long, level, good upper and under lines, good coat of hair and beautiful head and horns; in color he is a bright red and he will weight better than a ton. He is in the pink of breeding condition, and has never served more than fifteen or twenty cows in any one year.

Because he can not use him longer Mr. Davis will sell him reasonably or will trade him for young females.

This bull should go to head a good herd for he is a valuable breeding animal hardly yet in his prime.

Write Mr. Davis for particulars or visit him and inspect this animal personally.

Mr. Davis' farm adjoins the town and visitors by telephoning him will be called for.

Fulkerson's Poland-China Sale.

From Pattonsburg the "bunch" proceeded to Brimson, Mo., where F. D. Fulkerson was to sell 51 head of richly-bred Poland-Chinas on Thursday, November 21. Mr. Fulkerson, had made ample arrangements for the entertainment of his guests. The offering was in good condition and a good, snappy sale was the result. Everybody seemed to be in the best of spirits and appreciated the efforts of Mr. Fulkerson, in getting together an offering that would meet the demands of his buyers.

The offering consisted of the get of the most popular boars of to-day and out of richly-bred dams. But we might say right here that the get of the boar that stands at the head of his herd, Sporting Imp, compared favorably with anything he had in the sale. This hog is a great individual himself and possesses the ability to transmit this quality to his get, and with the excellent sows that Mr. Fulkerson is adding to his herd it is reasonable to predict that this herd is going to attract the attention of the best breeders. Geo. W. McKay, of Laredo, Mo., topped the sale with No. 16, a Meddler 2d gilt out of Lady Irene by Proud Perfection, at \$100.

The sale was conducted by Cois. Sparks, Zaun, Snyder, and Deem.

Scotch and Scotch-topped Bulls.

Col. Ed Green, of Florence, Kans., is changing his card in this issue of THE KANSAS FARMER and we call the special attention of our readers to the fine line of straight Scotch and Scotch-topped bulls that he is offering for sale. These range in age from 6 months to 2 years old and carry some of the very best blood of the breed.

The fieldman of THE KANSAS FARMER recently visited Col. Green's fine ranch, three miles northeast of Florence, and inspected his herds. We say herds, for the Colonel breeds Short-horn cattle, Berkshire hogs, and Shropshire sheep, all in such quantities that he has stock for sale at all times to suit the purchaser.

Some of the very best breeding is to be found here, and a number of imported animals can be found occupying a prominent place among his foundation stock.

His Shorthorns are headed by Imp. Ardathen Mystery, a Marr Red Lady bull of size, finish, and strong breeding qualities. The matrons of the herd are nearly all show cows and splendid producers.

We were shown the bulls that are being offered for sale, and found them to be a strong, vigorous lot of young fellows, with remarkably good backs,

(Continued on page 1306)

Used
And Endorsed at
42 Agricultural Colleges

There is no other live stock remedy, none at all, mind you, that has proven so successful at all times for many years, as Zenoleum. It is used and recommended by the most prominent stockmen in the world. It does what we claim or money back. No other maker dares make such an offer.


The Standard and Purest Coal-Tar Dip
ZENOLEUM
Animal Dip and Disinfectant

For Lice, Mange, Skin Troubles, Itch, Scours, Calf Cholera, Infectious Abortion, Sores, Wounds, Ring Worm and all Insect and Parasitic troubles. The sure and positively guaranteed remedy.

At All Dealers—Small size, 25 cents; Quart, 50 cents; Half gallon, 90 cents; One gallon, \$1.50; Five gallons, \$6.25—or we will deliver one gallon or more, charges paid to your station **Ask Your Dealer First.**

Prize Steer Ruby Zenoleum, International College Champion

OUR GUARANTEE
 If Zenoleum is not all we say it is, or even what you think it ought to be, you can have your money back. No talk, no letters,—just money.



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 Veterinary Advertiser sent free to you if you send us a postal card.
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ACCEPT NO SUBSTITUTE

Hygeno

DIP AND DISINFECTANT.

USED FREELY insures healthy live stock, by keeping them free from ticks, lice, scabs and the hundred and one other troubles that knock the profits into nothing. There is only one way to keep your sheep and other live stock always healthy and that is by the free use of a good Dip. Hygeno is a non-poisonous, non-corrosive germicide and positive insecticide. Hygeno is guaranteed to suit you and costs you so little to use freely, that you can't afford to be without it.

If your dealer doesn't keep Hygeno send us his name and we will send you a Sample, sufficient to show you what it will do, with a copy of Health Book, Free.

ACCEPT NO SUBSTITUTE.

THE HYGENO DISINFECTANT CO. 824 EUCLID AVENUE. CLEVELAND, O.

Blacklegoids

Simplest, Safest, Surest Vaccination
 for the prevention of

BLACKLEG IN CATTLE

NO DOSE TO MEASURE. NO LIQUID TO SPILL. NO STRING TO ROT.

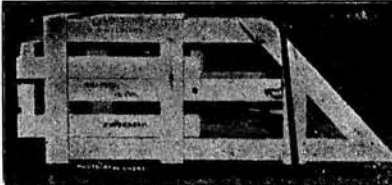
Just a little pill to be placed under the skin of the animal by a single thrust of the instrument. You cannot afford to let your cattle die of blackleg when a few dollars spent on Blacklegoids will save them. Write for circular.

PARKE, DAVIS & COMPANY
 HOME OFFICES AND LABORATORIES, DETROIT, MICH.
 NOTICE.—For a limited time we will give to any stockman an injector free with his first purchase of 100 vaccinations.

THE MORTGAGE LIFTER IS LIVE STOCK

Then why not give it every opportunity to make the greatest growth. Iowa Hog and Cattle Powder makes Stock thrive. It is not a Stock Food, but a conditioner that puts the animal's system in the best possible condition to digest and assimilate its food. Farmer's wanted in every county to act as our agents. Many of our men are making from \$3,000 to \$5,000 a year selling our goods. If you want an agency write us and mention the Kansas Farmer.

Iowa Hog & Cattle Powder Co.
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GARRISON'S COMBINATION BREEDING AND RINGING CRATE.

Endorsed by the leading breeders of the country; in use in six states; can be adjusted to any sized animals; can be used for breeding, ringing or loading hogs. Made of the best material; will last for years. Every breeder and farmer should have one. Write for price and description.

A. B. Garrison -- Summerfield, Kans.

Choice March and April Boars For Sale

Owing to the fact that I did not hold my boar sale as was intended I have about 30 boars, at least 15 of which are extra choice. They are well grown out and good individuals, and sired by Lincoln Model 38365, Dandy Orion 33879, Colonel 38969, and others. I will sell them at a very low price as I must move them. Now is your chance if you want a good boar cheap. This ad will appear only once more.

PEARL H. PADGETT, Route 2, Beloit, Kansas

WHEN WRITING OUR ADVERTISERS PLEASE MENTION THIS PAPER

Free Book About Cancer

CANCER has proved its merits in the treatment of cancer. It is not in an experimental stage. Records of undisputed cures of cancer in nearly every part of the body are contained in Dr. Leach's new free-page book. This book also tells the cause of cancer and instructs in the care of the patient; tells what to do in case of bleeding, pain, odor, etc. A valuable guide in the treatment of any case. A copy of this valuable book free to those interested. Address, Dr. L. T. LEACH, Box 125, Indianapolis, Ind.

Stock Interests

Economical Rations in Beef Production.

BY H. B. SMITH, IN BULLETIN NO. 100, NEBRASKA EXPERIMENT STATION.

(Concluded.)

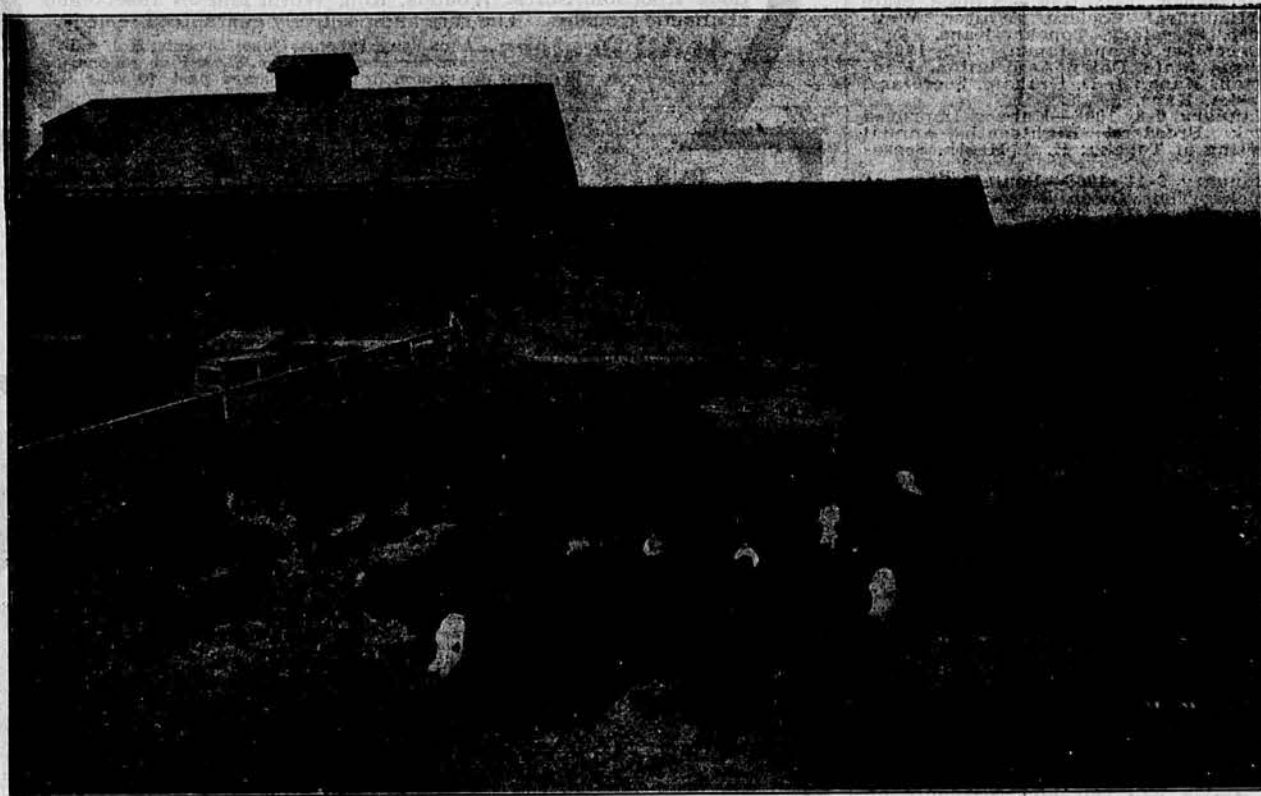
THE 1906-1907 EXPERIMENTS.

The sixty steers used in last winter's experiments were purchased in October, 1906, from Mr. James Cook of Agate, Sioux County, Nebr. They were high grade Angus two-year-olds selected from a herd numbering about two hundred, all reared under range conditions, having had, previous to their purchase, nothing but grass supplemented with native hay during the winter months. They were in what

All steers were yarded at the experiment stations October 26, 1906, and given a liberal feed of hay and but little grain. Owing to the fact that they had never been fed grain it was necessary to sprinkle cornmeal over the hay in order to get them started. They immediately acquired a fondness for cornmeal and a few days later for shelled and snapped corn, the feed being increased from one pound of meal per steer the first day to four pounds of shelled and snapped corn per day by the end of the first week, November 2. By November 14, when the records of the experiment were begun, the steers in lots 2 and 3 were each receiving 7.8 pounds of snapped corn in the morning, and 6 pounds of the mixture of shelled corn and linseed- or cottonseed-meal at night, the equiv-

that cottonseed-meal was substituted for linseed-meal. On that date, therefore, each steer in lots 2 and 3 was receiving the equivalent of 119.3 pounds of shelled corn and 2.2 pounds of the linseed- or cottonseed-meal, while each steer in lot 1 received the equivalent of 19.3 pounds of shelled corn and 5.5 pounds of bran. Lot 4 was fed the same quantity as lots 2 and 3, the grain being corn alone. These four lots were given all the grain they would consume during the last three months of the experiment, an average of about 25 pounds to each steer per day. Lots 5 and 6 were never increased beyond 14 pounds of corn per day. They consumed much more roughness, however, as their records indicate.

The results of one experiment with these steers in which wheat bran, linseed-meal, and cottonseed-meal were

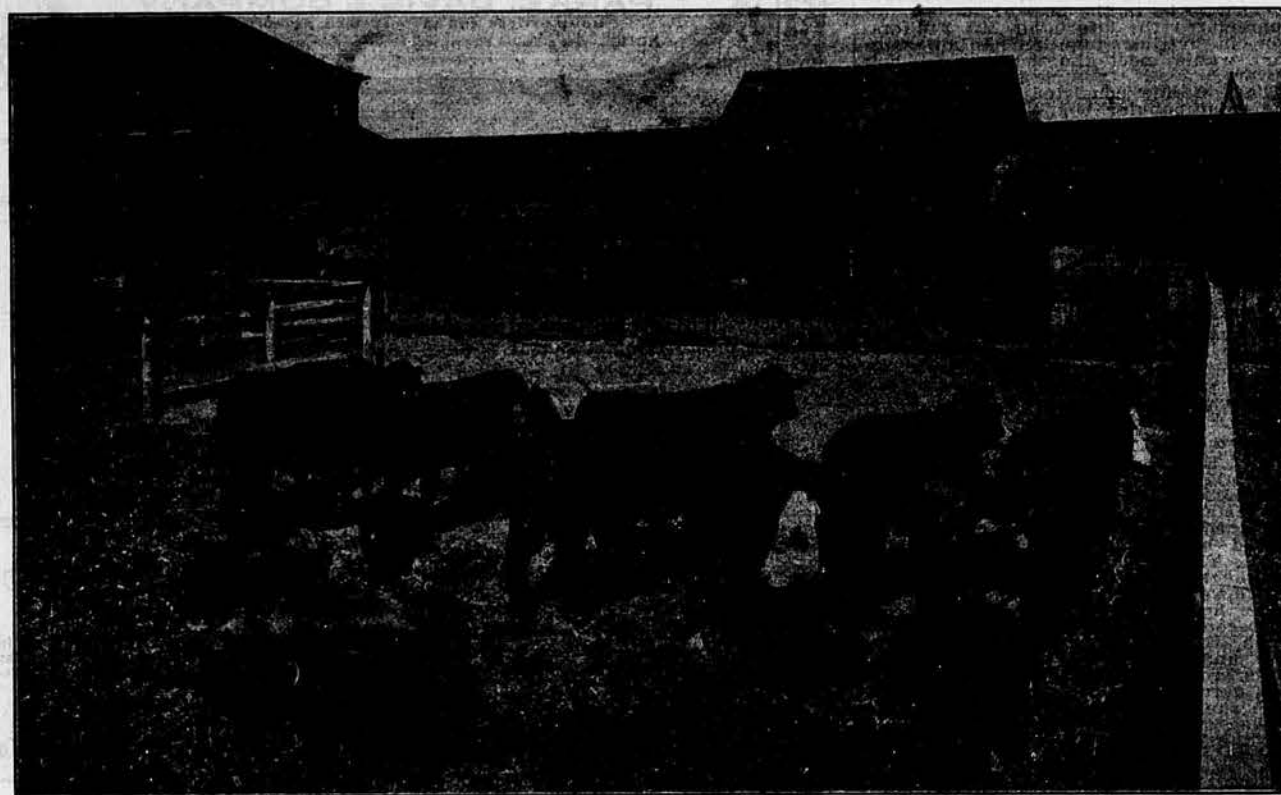


Angus steers as they appeared at the beginning of the experiment.

would be considered good grass flesh when purchased, and no doubt would have sold at top values for feeder steers had they been sent to market. These steers cost \$4.00 per hundred at the ranch and were weighed after having been yarded twenty-four hours without feed and water. The steers were shipped during the time of the severe October snowstorm and the shrinkage was very heavy. This

shrinkage was very heavy. This shrinkage with the freight across the State and the expense of three weeks' preliminary feeding made the steers cost net November 14, on the initial weights of the experiment, 4.58 cents per hundred as given in the financial statement to follow.

alent of 12 pounds of grain per day. Owing to the bulky character of bran, which formed about one-fourth of that ration, lot 1 was purposely given a little larger feed of grain to make the quantity of corn correspond more nearly to that fed lots 2 and 3, which received linseed- and cottonseed-meal, forming but 10 per cent of the daily grain ration. On December 12th the ten steers in lot 1 received 146 pounds compared are published [page 1223 of Kansas Farmer] for purposes of comparison with the previous winter's test in which the same feeds were used. The records of lots 4 and 5 are published [on the same page of Kansas Farmer] in the experiment entitled "Light versus Heavy Grain Ration," the steers in lot 4 having been fed heavily on grain for a period of five



Lot 1, on corn, wheat-bran, and corn-stover, as they appeared at the close of the experiment, April 3, 1907.

shrinkage with the freight across the State and the expense of three weeks' preliminary feeding made the steers cost net November 14, on the initial weights of the experiment, 4.58 cents per hundred as given in the financial statement to follow.

of snapped corn in the morning and 84 pounds of shelled corn 55 pounds of bran at night. The ten in lot 2 received 146 pounds snapped corn in the morning and 89 pounds shelled corn and 22 pounds of linseed-meal at night. Lot 3 received the same ration except

months and those in lot 5 very moderately for six months. The steers in lot 6, the financial statement of which follows, were also fed six months on the same quantity of grain supplied lot 5. During the first two months the steers in lot 6 were fed a large part

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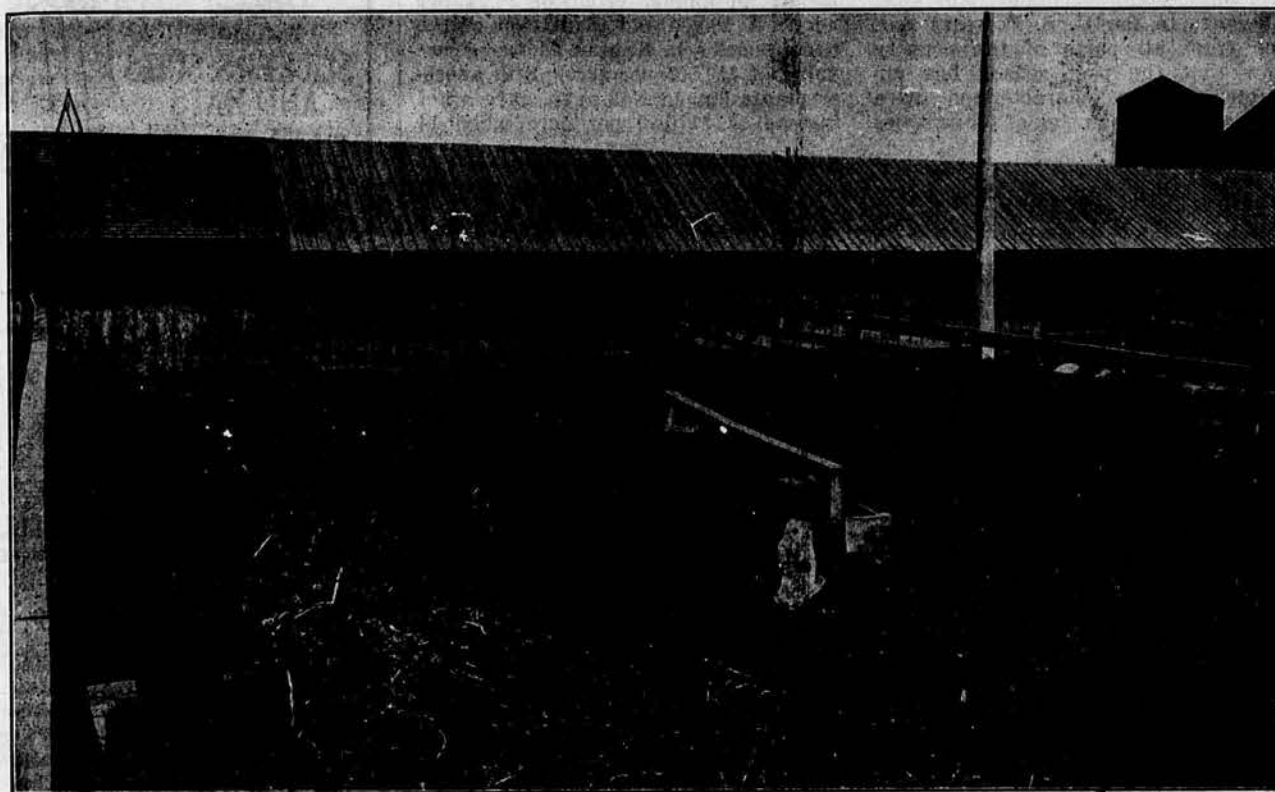
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of their corn on the stalk as corn-fodder to serve as a comparison with lot 5 on snapped corn, while during the last three months they were fed ground corn for a comparison with

next year when the records for a series of three years will be completed. It may be stated at this writing that the records to date indicate that grinding corn for cattle does not pay

detaching the ears from stalks supplied fattening steers. However, all conclusions concerning this will be deferred until more data are at hand. In the following financial statement of the



Lot 2, on corn, linseed-meal, and corn-stover, as they appeared at the close of the experiment, April 3, 1907.

shelled corn fed that period to the steers of lot 5. The results of the corn fodder versus snapped corn experiment and the shelled corn versus cornmeal experiment will not be published until

when there are pigs behind to consume the undigested corn in the droppings. The data obtained in the other experiment during the two years show no particular advantage in favor of

sixty steers there is included a small item for cane hay which was substituted for corn-stover during the closing days of the experiment after the supply of stover had been exhausted:

FINANCIAL STATEMENT.

Lot 1, on corn, wheat-bran, and corn-stover.

November 14, 1906—		
To 10 steers, weight 9,737 lbs., at \$4.58 per cwt. net, f. o. b. Lincoln.	\$445.96	
To 21,140 lbs. shelled corn at 36 cents per bu. (\$0.643 per cwt.)	135.93	
To 8,507 lbs. snapped corn (6,352 lbs. of corn) at 35 cents per bu. (\$0.625 per cwt.)	39.70	
To 7,465 lbs. of bran at \$18 per ton.	67.19	
To 11,050 lbs. of corn-stover at \$2.50 per ton.	13.81	
To 1,430 lbs. of cane at \$3.50 per ton.	2.50	
To interest on \$445.96 for 5 mo. at 6 per cent.	11.15	
April 3, 1907—		
By 10 steers, weight 12,207 lbs., at \$5.08 per cwt. net, Lincoln.	\$620.12	
By 907 lbs. pork at 6 1/4 cents net.	56.71	
By loss on ten steers.	39.41	
	\$716.24	\$716.24

(Loss on each steer, \$3.94.)

Lot 2, on corn, linseed-meal, and corn-stover.

November 14, 1906—		
To 10 steers, weight 9,767 lbs., at \$4.58 per cwt. net, f. o. b. Lincoln.	\$447.33	
To 22,685 lbs. shelled corn at 36 cents per bu. (\$0.643 per cwt.)	145.86	
To 8,510 lbs. snapped corn (6,352 lbs. of corn) at 35 cents per bu. (\$0.625 per cwt.)	39.71	
To 3,183 lbs. of oil-meal at \$29.50 per ton.	46.79	
To 11,050 lbs. of corn-stover at \$2.50 per ton.	13.81	
To 1,470 lbs. of cane at \$3.50 per ton.	2.58	
To interest on \$447.33 for 5 mo. at 6 per cent.	11.18	
To profit on ten steers (pork included).	16.53	
April 3, 1907—		
By 10 steers, weight 13,023 lbs., at \$5.23 per cwt. net, Lincoln.	\$681.10	
By 683 lbs. pork at 6 1/4 cents net.	42.69	
	\$723.79	\$723.79

(Profit on each steer, \$1.65.)

Lot 3, on corn, cottonseed-meal, and corn-stover.

November 14, 1906—		
To 10 steers, weight 9,887 lbs., at \$4.58 per cwt. net, f. o. b. Lincoln.	\$452.83	
To 22,443 lbs. shelled corn at 36 cents per bu. (\$0.643 per cwt.)	144.31	
To 8,510 lbs. snapped corn (6,352 lbs. of corn) at 35 cents per bu. (\$0.625 per cwt.)	39.71	
To 3,172 lbs. cottonseed-meal at \$27.75 per ton.	44.01	
To 11,050 lbs. of stalks at \$2.50 per ton.	13.81	
To 1,400 lbs. cane at \$3.50 per ton.	2.45	
To interest on \$452.83 for 5 mo. at 6 per cent.	11.32	
To profit on ten steers (pork included).	13.16	
April 3, 1907—		
By 10 steers, weight 12,843 lbs., at \$5.23 per cwt. net, Lincoln.	\$671.69	
By 798 lbs. pork at 6 1/4 cents net.	49.91	
	\$721.60	\$721.60

(Profit on each steer, \$1.32.)

*The profit per head would have been \$4.61 had this lot been sold on a market equally as good as that four weeks previous when the first four lots were sold. The profits on lot 6 would also have been greater on such a market or the market four weeks later when the quotations were 50 cents per hundred higher for this class of cattle.

CONCLUSIONS FROM THESE EXPERIMENTS.

1. Prairie hay when fed with corn alone to fattening cattle gives small and unsatisfactory gains and very little or no profit.
2. Alfalfa hay with corn alone gives large and profitable gains.
3. The use of well-cured corn-stover with alfalfa and corn, while it may not produce larger gains, will make the gains less costly because of its low market value, thereby increasing the profits over corn and alfalfa alone.
4. In feeding only prairie hay as roughness to fattening cattle, much

larger and more profitable gains can be made if linseed-meal or possibly some other protein concentrate is fed with corn in small quantities rather than feeding corn alone.

5. The results of two experiments indicate that linseed-meal is a little more valuable than cottonseed-meal and much more valuable than wheat bran for supplementing corn when fed with prairie hay or corn-stover.

6. When alfalfa is made at least half of the roughness with prairie hay or corn-stover, good gains may be made and at less cost than when no alfalfa

is fed, the protein being supplied by the use of linseed-meal. In other words, it is possible to grow protein on the farm at a price much below what it will cost on the market in the form of some commercial protein food.

7. Corn-stover, cut immediately after the ears ripen and cured in shocks, possesses a value fully two-thirds as great as prairie hay. The part usually consumed, viz., the leaves and upper portion of stalk, is quite the equal of prairie hay pound for pound.

8. The results of a single experiment in which but little more than half a

Profit in Lambs

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Lot 4, on corn, alfalfa, hay, and corn-stover.

November 14, 1906—		
To 10 steers, weight 9,787 lbs., at \$4.58 per cwt. net, f. o. b. Lincoln.	\$448.25	
To 25,037 lbs. shelled corn at 36 cents per bu. (\$0.643 per cwt.)	160.99	
To 8,334 lbs. snapped corn (6,221.7 lbs. of corn) at 35 cents per bu. (\$0.625 per cwt.)	38.89	
To 5,745 lbs. corn-stover at \$2.50 per ton.	7.18	
To 7,205 lbs. alfalfa at \$8 per ton.	28.82	
To 715 lbs. cane at \$3.50 per ton.	1.25	
To interest on \$448.25 for 5 mo. at 6 per cent.	11.21	
To profit on ten steers (pork included).	63.80	
April 3, 1907—		
By 10 steers, weight 13,170 lbs., at \$5.38 per cwt. net, Lincoln.	\$708.55	
By 829.4 lbs. pork at 6 1/4 cents net.	51.84	
	\$760.39	\$760.39

(Profit on each steer, \$6.38.)

Lot 5, on shelled corn, snapped corn (light feed), alfalfa, and corn-stover.

November 14, 1906—		
To 10 steers, weight 9,777 lbs., at \$4.58 per cwt. net, f. o. b. Lincoln.	\$447.79	
To 17,960 lbs. shelled corn at 36 cents per bu. (\$0.643 per cwt.)	115.48	
To 7,210 lbs. snapped corn (5,384 lbs. of corn) at 35 cents per bu. (\$0.625 per cwt.)	33.65	
To 9,392 lbs. of corn-stover at \$2.50 per ton.	11.74	
To 18,623 lbs. of alfalfa at \$8 per ton.	74.54	
To 2,350 lbs. of cane at \$3.50 per ton.	4.11	
To interest on \$447.79 for 6 mos. at 6 per cent.	13.43	
To profit on ten steers (pork included).	38.95	
May 1, 1907—		
By 10 steers, weight 13,157 lbs., at \$5.25 per cwt. net, Lincoln.	\$690.74	
By 783.2 lbs. pork at 6 1/4 cents net.	48.95	
	\$739.69	\$739.69

(*Profit on each steer, \$3.90.)

Lot 6, on shelled corn, cornmeal (light feed), corn-fodder, alfalfa, and corn-stover.

November 14, 1906—		
To 10 steers, weight 9,813 lbs., at \$4.58 per cwt. net, f. o. b. Lincoln.	\$449.44	
To 7,250 lbs. shelled corn at 36 cents per bu. (\$0.643 per cwt.)	46.63	
To 7,212 lbs. snapped corn (\$5,384.4 lbs. of corn) at 35 cents per bu. (\$0.625 per cwt.)	29.81	
To 10,710 lbs. of cornmeal at 70.3 cents per cwt.	75.29	
To 9,352 lbs. of corn-stover at \$2.50 per ton.	11.70	
To 18,620 lbs. of alfalfa at \$8 per ton.	74.48	
To 2,350 lbs. of cane at \$3.50 per ton.	4.11	
To interest on \$449.44 for 6 mo. at 6 per cent.	13.48	
To profit on ten steers (pork included).	7.05	
May 1, 1907—		
By 10 steers, weight 13,100 lbs. at \$5.25 per cwt. net, Lincoln.	\$687.75	
By 387.8 lbs. pork at 6 1/4 cents net.	24.24	
	\$711.99	\$711.99

(Profit on each steer, \$0.71.)

full feed of corn was supplied two lots of fattening steers suggest the possibility of making a larger use of hay in finishing cattle for market than is ordinarily made and at less cost, especially where hay is relatively low and corn high in price.

9. From a commercial point of view the results of this entire series of experiments go to show that cattle feeding can be made profitable when discretion is used in the selection of foods for the ration. On the average farm in Nebraska where grain and hay command figures below

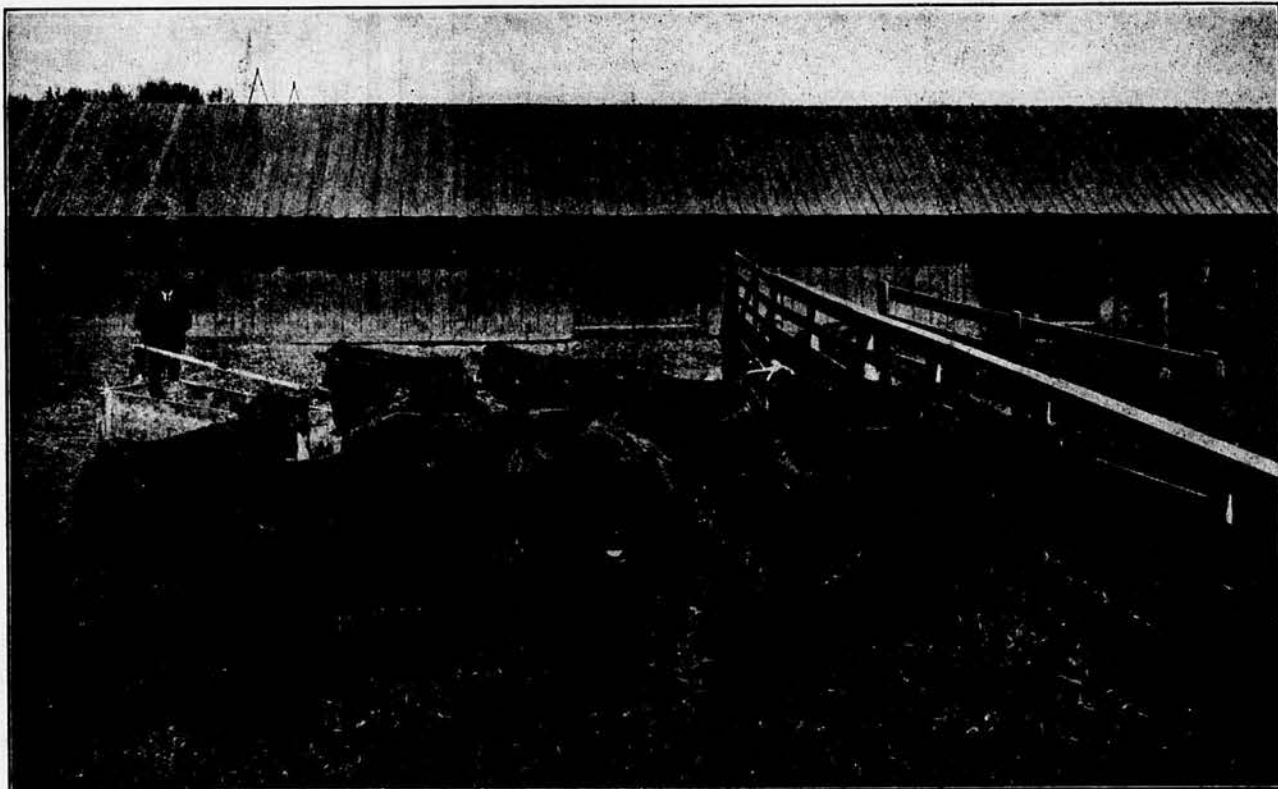
Lincoln prices and where cattle are undisturbed by frequent weighings which experimental feeding necessitates, the profits can be made much greater than those reported in this bulletin. Good feeding will make our corn bring more as beef than when sold direct to the elevator companies even though the selling price of finished cattle is not far in advance of cost price as was true in many of these experiments. The importance of

Horticulture

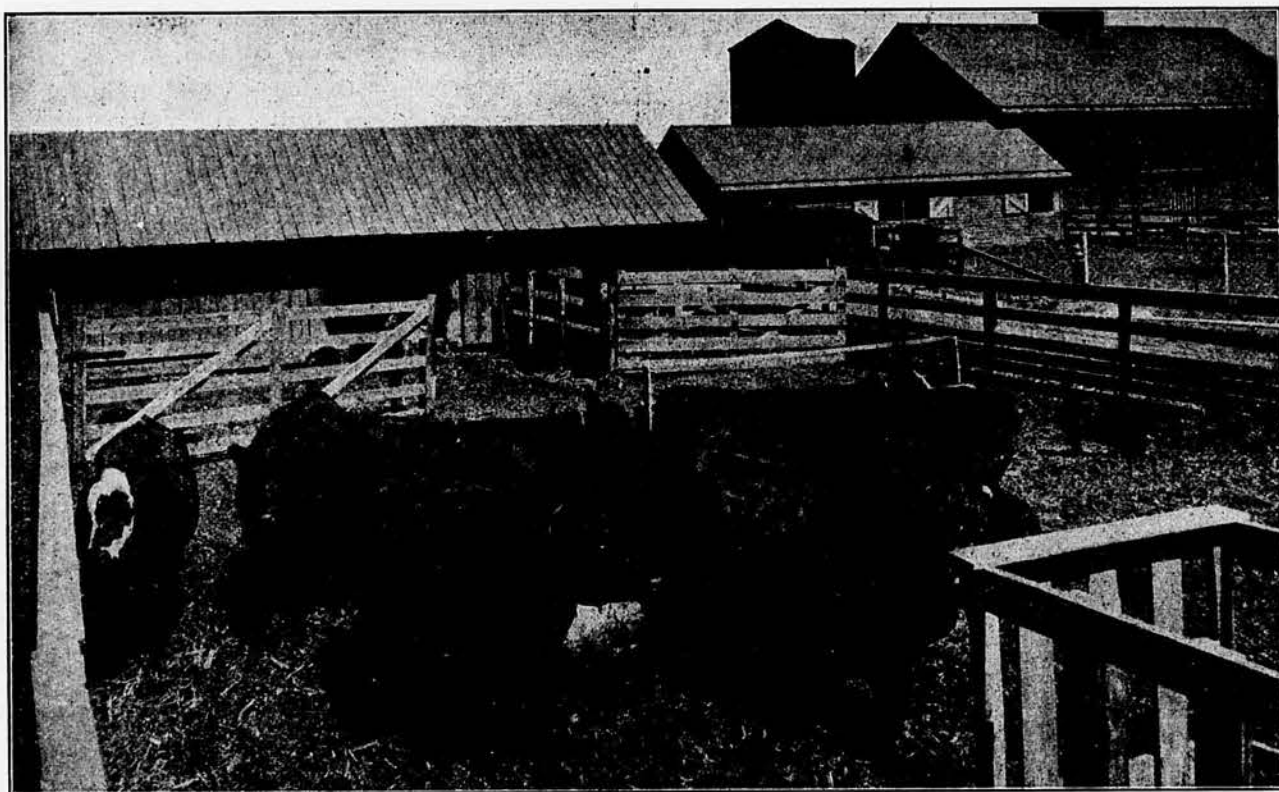
Progress and Value of Tree Planting.

Reports to the U. S. Forestry Service from all parts of the country show that the past season has undoubtedly been characterized by a more extensive planting of forest trees

A few figures readily show the value of forest planting from a commercial standpoint. In Pawnee County, Nebr., a 16-year-old catalpa plantation gave a net return of \$152.17 per acre at the time the plantation was cut. This meant an annual profit of \$6.24 per acre. A 10-year-old plantation of the same species in Kansas showed a net value of \$197.55 per acre. Still another plantation, in Nebraska, gave a net income of \$170.50 per acre when 14



Lot 3, on corn, cottonseed-meal, and corn-stover, as they appeared at the close of the experiment, April 3, 1907.



Lot 4, on corn, alfalfa, and corn-stover, as they appeared at the close of the experiment, April 3, 1907.

manure and the growing of alfalfa and clover as agencies contributing to the maintenance and increase of land fertility argue further for this mode of selling a larger part of our annual corn crop. The cattle industry deserves much greater attention in this State that has been given it in the past.

ACKNOWLEDGEMENT.

Acknowledgement is here made to Mr. Joseph F. Lamb, Experimental Feeder in the Department, for his care and precision in weighing and feeding all rations, and to A. F. Magdanz, Jr., and C. W. Rine for valuable assistance in compiling tables.

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than any previous year in the history of the United States. The work is progressing very favorably in every State in the Union. It has been most extensive in California, in the great Middle West, and in the New England States. But even in the South, where planting has been more or less limited because of existing natural forests, the scope of the work has greatly broadened.

The trees planted have been mainly hardwoods. Several large nurserymen, however report greater sales of conifers for forest planting than they have ever made before. In the Middle West catalpa, black locust, Osage orange, and Russian mulberry were the favorite trees; in the north and northeast preference was given to white pine, chestnut, larch, and spruce; in the South the native canifers held the lead; and in California, where the immense annual planting area has been increased to at least five times its former size, eucalyptus had practically a monopoly.

years old, which amounts to an annual income of \$8.69 per acre. Several equally striking cases could be cited throughout the entire Middle West, and it is known that where the catalpa will succeed no other tree will pay so well. Good soil and moisture conditions are, however, essential for success with this tree.

Osage orange has been known to produce as high as 2,640 first-class posts and 2,272 second-class post per acre, and it is well understood that no posts are better than those of Osage orange. Land producing such a forest as this could hardly be put to a better use, since timber is the easiest of all crops to raise and from now on will never go begging for a market.

Red cedar in plantations 25 years old has reached a value of \$200.54 per acre. European larch used for fence posts or telephone posts reaches an average value of \$200 to \$300. White pine plantations 40 years old have exceeded a value of \$300 per acre, and it is known that the eucalyptus, even

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Also make Sweep Grinders;
both Geared and Plain.
C. N. P. Bowser Co.
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IND. **FEED MILLS**

when grown for fuel alone, can compete as to profits with oranges.

It does not take a lifetime to get results. Catalpa often reaches a post size in from eight to ten years, and will give service as a post for from fifteen to forty years. Osage orange, which reaches post size in from twelve to fifteen years, usually lasts longer than catalpa. Black locust, though badly affected by the borer in some regions, grows about as fast as the

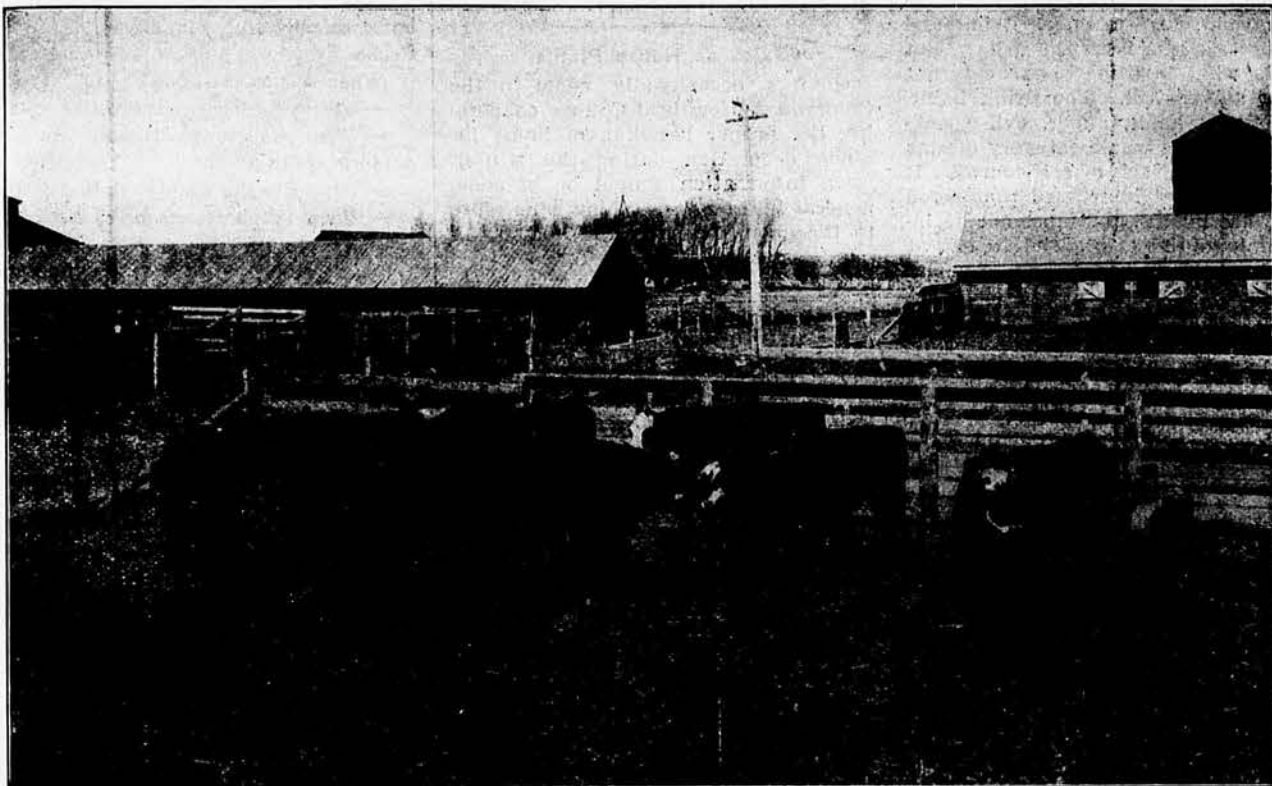
had free of charge upon application to the Forest Service, U. S. Department of Agriculture, Washington, D. C. The studies on which they were based were made especially for the benefit of farmers and other land owners, and to prevent the waste of thousands of dollars annually lost by planting the wrong forest trees or by improper care of plantations.

From the manner in which our natural timber has been cut it is clear that

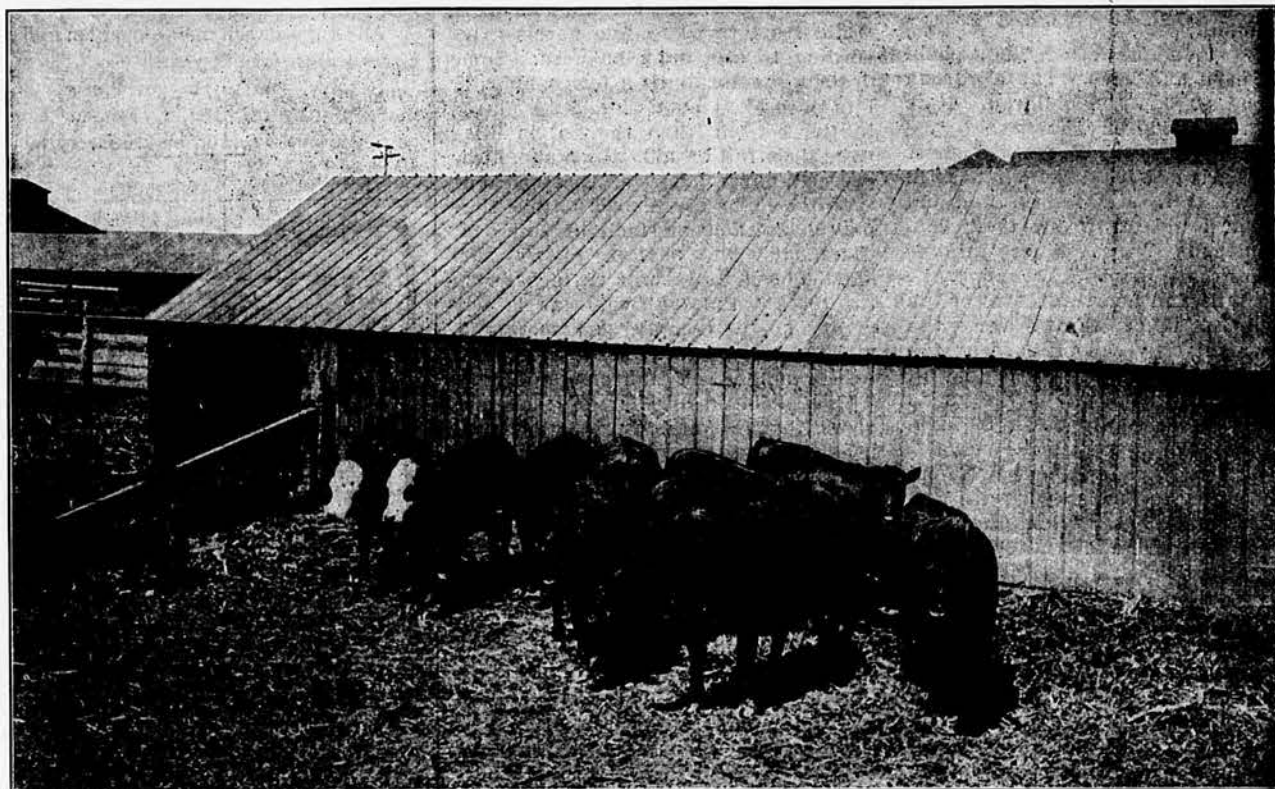
have you ever tried castor-beans? If so what was the result? I have been told that when castor-beans were grown and then followed by corn, better results were obtained than when the beans were not grown. If they have this beneficial effect upon the land I was thinking some of planting or sowing them as a catch crop and plowing under. Do you think it advisable?

I. LINDLEY.

Butler County, Kans.



Lot 5, on corn (light feed), alfalfa, and stover, as they appeared at the close of the experiment, May 1, 1907.



Lot 6, on corn (light feed), alfalfa, and corn-fodder, as they appeared at the close of the experiment, May 1, 1907.

catalpa and has almost the same post value, while it has the great advantage over catalpa of being able to thrive on poor land. European larch reaches a size suitable for telephone poles in twenty-five years. When treated with preservative it will then last from fifteen to twenty-five years. Eucalyptus makes a heavy yield of fuel in seven years, and the crop should nearly always be cut before ten years. On favorable sites white pine will make saw timber in from forty to sixty years. Already the demand for the timber of this tree shows conclusively that the investment will prove immensely profitable.

In every region of the United States there is at least one forest tree, and generally there are several forest trees, which can be planted with a complete assurance of commercial success if the plantation is properly established and given proper care. The Government has made a very careful study of most of the forest plantations on tree planting may be

each region will have to be made as nearly self-supporting in timber growth as possible. The lesson of the past is that the right forest trees grown in the right way will bring a big profit.

Agriculture

Hildreth Corn.—Castor-Beans.

I wish to know whether you have seed corn on hand for sale? If so I should like to have some of the Hildreth variety. What is the price per bushel? I understand from your bulletin that this variety of corn has been grown in this State for a number of years and is therefore acclimated. Do you think it safe to plant a whole crop of this kind of corn? Have you the Sixty-day oats and what will they cost per bushel?

In your experience in crop rotation

I have mailed "Seed Corn" circular No. 12, describing varieties of which we have seed for sale and giving prices.

On good bottomland or fertile upland in your part of the State, Hildreth corn should succeed well. We have only a limited supply of Sixty-day oats for sale, price \$1.25 per bushel.

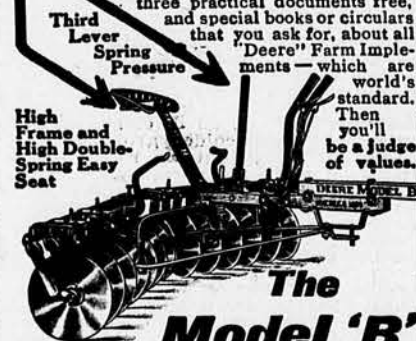
I have never used castor-beans as a rotation crop, however castor-beans belong to the legume family and would have a similar beneficial effect on the soil as results from growing cow-peas or soy-beans. Doubtless castor-beans would be a profitable crop to grow for the seed, but for a catch crop or a green manuring crop I would prefer cow-peas. I have mailed you a copy of circular No. 6 giving information regarding cow-peas. Have also mailed you circular No. 5 on "Crop Rotation."

A. M. TENEYCK.

When writing to THE KANSAS FARMER always give your name and address.

Let Us Put You On Our Mailing List

Write us a postal with your name and address to get on our Free Mailing List for latest information about highest grade farm implements. We'll send you at once three practical documents free, and special books or circulars that you ask for, about all "Deere" Farm Implements—which are world's standard. Then you'll be a judge of values.



The Model 'B' Deere Disc

Its Flexibility Insures Best Work

Progressive farmers know how much more satisfactorily our Model "B" Disc Harrow does its work of pulverizing the soil evenly—without skipping rough places in the "middle"—because our Third Lever with Spring Pressure Yoke and controlled draw bars, enables you to govern your discs. They can't push up in center, as with ordinary machines. You pull the lever and it locks automatically with discs working through dead furrows or over ridges always cultivating thoroughly. Special features besides superior malleable iron parts and extra durable construction, are: Easy, Double-Spring Seat—High Frame out of dust—Adjustable Disc Scrapers—Lighter Draft, etc. Let us send you illustrations and descriptions. Write and we'll also send our

"MORE CORN" Book Free

Don't think of buying any kind of a harrow until you investigate this famous Deere Model "B" Disc. Be sure to ask for "More Corn" Book No. 314.

DEERE & MANSUR CO.
Moline, Illinois
Deere

Worms All Over the Ground.

Drexel, Mo., Route 2, Jan. 24, 1907.

F. J. TAYLOR CO.
Bag of Tonic received and I put it in box as directed. My hogs eat it fine and I think it has done them good from the worms I see scattered over the feed-lot. I believe it is all right, especially for hogs. Will let you hear from me when it is all gone. I remain yours for a fair trial.

W. G. BINKLEY.



Taylor's Stock Tonic does more than drive out the worms. It puts your hogs, cattle and horses in the pink of condition, makes them grow faster and stronger, prevents cholera, black-leg and all diseases arising from imperfect digestion.

We want you to know all about our Stock Tonic so we will send you 50 lbs. on trial if you

will send us this advertisement. In 30 days you will send us \$2.00 for the tonic, or return the empty bag if it is not satisfactory, and there is no charge.

We are sending out thousands of bags on this basis and practically every one is paid for. It shows the merit of the goods and the honesty of the farmers. Cut out this ad today and send it to us.

F. J. TAYLOR CO.,

361 Live Stock Exchange, Kansas City, Mo.

DR. W. J. CONNER, LABETTE, KANSAS.

Breeder and Shipper of

MULE-FOOTED HOGS

THE COMING HOGS OF AMERICA.

They never have cholera. They are the best rustlers in the world. Pigs from 10 to 16 weeks old \$30 per pair. Write for particulars.

BALMOLINE The Corn Husker's Friend

and Nature's Perfect Healing Salve, for Man or Beast. Druggists, or by mail. Trial box 4c. 2 oz. 25c, 6 oz. 50c THE BALMOLINE CO., Sta. B., Abilene, Kans.

DOWLING'S FISTULA AND LUMP JAW CURE.

A scientific remedy and cure for fistula, poll-evil and lump jaw; price \$1 per bottle. Used by stockmen everywhere. When ordering state how long affected, if fistula, poll-evil or lump jaw; whether swollen or running. Give particulars; also express office. W. W. Dowling & Co., St. Marys, Kans.

Home Departments

CONDUCTED BY RUTH COWGILL.

NOVEMBER.

The leaves are fading and falling.
The winds are rough and wild.
The birds have ceased their calling.
But let me tell you, my child—

Though day by day, as it closes,
Doth darker and colder grow,
The roots of the bright red roses
Will keep alive in the snow.

And when the winter is over,
The boughs will get new leaves.
The quail come back to the clover,
And the swallows back to the eaves.

The robin will wear on his bosom
A vest that is bright and new,
And the loveliest wayside blossom
Will shine with the sun and dew.

The leaves today are whirling,
The brooks are all dry and dumb;
But let me tell you, my darling,
The spring will be sure to come.

There must be rough, cold weather,
And winds and rains so wild;
Not all good things together
Come to us here, my child.

So when some dear joy loses
Its beautiful summer glow,
Think how the roots of the roses
Are kept alive in the snow.

—Alice Carey.

Train Up the Child.

The more I observe and study the subject the more thoroughly I believe the old proverb, "Train up the child in the way he should go and when he is old he will not depart from it." Many people doubt the truth of it because they say they know so many good people whose children are bad and turn out to be drunkards and reprobates. There are lots of good people, preachers too, who are not wise or are neglectful in their duty as parents. The point is, train the child. If ever this gospel needed to be preached it does at this present time. Perhaps there was a time when parents were too strict with their children, but if so, the other extreme has been reached. The pendulum has swung too far the other way. The child is, in too many homes, left to follow his own sweet will, unrestrained and unguided. Parental authority is not respected as it should be. Where there is no home government and every one is for himself, it is anarchy and it will not be long until it will show in the Nation. Upon the training of the children in the home depends the welfare of the Nation. It is the parents' first business and it should supercede everything else. It is a business that they can not afford to go to sleep over. It should be a wide-awake business. It is not enough that parents are good people. It requires wisdom, tact, patience, insight, force, and an abundance of love.

One of the most important things to teach the child is self-control. The want of proper self-control is at the bottom of many grave evils, but if the child is allowed to indulge himself in anything he may wish regardless of its effect upon himself or others, if he is not trained to be moderate in eating, to deny himself pleasures that are hurtful to him, to control his temper and his speech, bad results will follow. It is much better and easier to train the child than to correct the evils that follow the lack of the training. Some parents seem to think they are kind to their children when they encourage self-indulgence, and humor every whim. They are short-sighted and these very ones will wonder, when, a few years later, they see the effect cropping out in the characters of their children, why they could be so and so when they had always been so kind to them. Mistaken kindness. A dear, good woman said the other day, with tears in her voice: "My boy will smoke and the next younger declares he will when he is older. I thought I was always so kind to them that they would want to do as I wished." From observation I know those children had never been taught self-control. They ate whatever and whenever they desired. They dressed and acted as they felt, whether it was good for their health or otherwise. In short they followed their inclinations

and the mother thought she was being kind to allow them to do so.

Is it just and right to the child to let him come up in life without this training, without giving him the principals that govern right living and that protect him from the evils? But that is what is done when he is not taught self-control. The drink habit, the tobacco habit, anger, evil speaking, in fact, the whole category of sins come from the lack of self-control. If the child is not instructed that some things are hurtful and must not be indulged in, if he is allowed to eat at any time and all times, and to spend his money for candy as he wishes, do not be surprised if he yields to the drink habit or the tobacco habit or anything that may appeal to his uncontrolled desires. He has never been denied, never been taught self-denial, he is not trained. Training the child is not punishing him for his faults and mistakes. It is bringing him up in such a manner that he will avoid them. It is pointing out to him the dangers in life's pathway and showing him the way around them.

The American Frugal Housewife.

The frugality and economy of the New England housewife in the early times can not be doubted when one reads their recipes and household hints printed in cook-books of that time. A recent number of the Outlook contains an interesting article by Jane Marsh Parker in which she gives some of the recipes taken from an old cook-book of her grandmother's day. Here is a sample:

Every member of a household should earn and save. The aged can knit, and so can the children. It is better that children should be picking blackberries at six cents a quart than wearing out their clothes in romping. . . . Children and old folks can braid straw for their bonnets and hats. . . . Where turkeys and geese are kept they can make feather fans and hearth brooms of the left wings. Don't throw away the right wings; they can be used by the left-handed.

It is bad economy to buy eggs as you want them. Laid down in lime-water, they can be kept three years.

If you live in a city, get a friend in the country to furnish you with butter, lard, and eggs. When they are cheapest, put them down for winter use.

Buy your woolen yarn from some one in the country you can trust.

When feather beds get heavy, empty them into a tub of suds; wash thoroughly, and spread them in the attic to dry.

Rags of all kinds should be carefully saved. Waste paper brings one cent a pound; a penny saved is a penny earned. Save the back of old letters to write upon (that was before envelopes). If your children are learning to write, buy a coarse, white paper by the quantity, and keep it locked up, ready to give out for writing-books. That will reduce the expense of paper greatly.

Hard gingerbread is good to have in a family—it keeps so well.

Good housekeepers will make their own Rochelle salts. They are quite as good as what they will pay five times as much for done up in papers.

A spoonful of ashes stirred in cider will prevent sickness at the stomach.

Excepting for company, nutmeg can be well dispensed with in making fritters.

Preserves are unhealthy, expensive, and useless to those in good health. Economical people will seldom use preserves except for sickness.

The cheapest meat to buy is that which will go farthest when cooked.

If you have more currants than money, make your own wine.

If you must buy butter and lard,

shortcake is not economical. If you have a plenty of sour milk or buttermilk it is well to make shortcake for supper.

Never break eight eggs for a custard pie when six are enough for any common use.

Before making a wedding cake, let your purse decide sensibly which of the three recipes for wedding cake you will follow. These are: "A rich wedding cake," "a still richer wedding cake," and "a good but common wedding cake."

Bulbs as House Plants.

Queries occasionally come to the Colorado Agricultural College concerning the proper handling of bulbs for home decoration during the winter. Such information should be of some general interest, as nothing adds more to the cheerfulness in the home than plants, and a few bulbs afford a pleasing and all too uncommon variety. No class of plants are of easier growth if a few fundamental principles are adhered to.

The first is, perhaps, a choice of kinds. The beginner will do well, no doubt, to experiment first with a few kinds, as a few well-grown specimens are much more satisfactory than many which give indifferent results. In this class may be placed the narcissi of various kinds, hyacinths, and freezias.

Narcissi come in many forms, as the polyanthus, jonquils, and daffodils. The two common forms of hyacinths are Dutch and Roman, while freezias are of but one kind.

Soil for bulbs should be made light with sand and loam, but aside from texture there is little else required. Any soil in which the common house plants thrive will answer.

Four or five-inch pots do nicely for bulbs, but the shallower pans look neater. One hyacinth bulb is all that should be grown in the smaller sizes, while from three to five narcissi, according to size, may be used. Some drainage material, as a few pebbles or bits of broken pots, should be placed in the bottom, then the pot is filled two-thirds full of soil, which should be pressed down firm, but not packed; then the bulbs are placed so that they may have half an inch of soil over them, and the surface of the soil should be at least half an inch below the top. A thorough watering is now given and the pots are put in a damp, moist place, where the temperature will remain at not far from 50 degrees. This may be in a cellar, or even in a room, though suitable protection must be afforded to prevent drying out. A common practise is to bury the pots out of doors where sufficient protection is given to maintain the required temperature. This treatment is necessary in order to secure a good development of roots before the top begins to grow. This will, usually, take about four weeks, but their condition may be ascertained by an examination at any time. Pick up one of the pots, invert it and tap the rim gently on a table's edge and then contents will usually fall out readily without disturbing either roots or soil. When the soil is fairly well filled with roots it is time to place the pots in the window.

Freezias are, perhaps, the most satisfactory for several reasons. They are very easy to grow, the bulbs are cheap and but few flowers surpass them in fragrance or in beauty. They are planted the same as the others, but as the bulbs are small, a larger number should be planted in a pot, perhaps six will be about right for a four-inch pot, a row around the outside with one or two in the center.

Unlike the other bulbs, freezias should be placed in the window at once. Keep in the sunshine as much as possible and water carefully. The plants are apt to take a spindling growth any way, so a little care will be well repaid. As the flower stalks begin to form they may need staking, but a small stake may be used which will not be too conspicuous.

After the flowers are exhausted, the plants should be well ripened by gradually withholding water, then the pots may be placed in the cellar until the next fall. The larger bulbs may be used for forcing a second time.

For a Good Complexion, Health and Beauty.

FOR Clear Eyes
—Pure Complexion
—Sweet Breath
—Clean Tongue
—Calm Nerves
—Good Temper

Eat a Cascaret whenever you suspect you need it. Carry a little 10c Emergency box constantly with you, in your Purse or Pocket.

When do you need one?

—When your Tongue is coated
—When you have Heartburn, Belching, Acid Risings in Throat
—When Pimples begin to peep out.
—When your stomach Gnaws and Burns.

That's the time to check coming Constipation, Indigestion and Dyspepsia.

That's the time to take a Cascaret.

* * *

One tablet taken whenever you suspect you need it will insure you against 90 per cent of all other ills likely to attack you.

Cascarets don't purge, don't weaken, don't irritate, nor upset your stomach.

They stimulate the Bowel Muscles to contract and propel the Food naturally past the little valves that mix Digestive Juices with Food.

This stronger action produces greater nutrition from food and perfect elimination of useless materials.

It makes the blood purer, healthier and more reconstructive, insuring a fine, clear color and complexion.

* * *

Then carry the little ten-cent box constantly with you in your purse, and take a Cascaret whenever you suspect you need it.

All Druggists sell them—over ten million boxes a year, for six years.

Be very careful to get the genuine, made only by the Sterling Remedy Company and never sold in bulk. Every tablet stamped "CCC."

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Gentlemen:—Please forward your 1907 Catalogue to the undersigned:

Name

Address

When I can enter College

This is not true, however, of the other kinds mentioned, as they are worthless for forcing a second time.—W. Pad-dock, in Irrigation Age.

The Young Folks

THE MAN IN THE BOY.

In the acorn is wrapped the forest.
In the little brook the sea;
The twig that will sway with the
sparrow to-day.
Is tomorrow's sturdy tree.
There is hope in a mother's joy.
Like a peach in its blossom furled,
And a noble boy, a gentle boy.
A manly boy, is king of the world.

The power that will never fall us
Is the soul of simple truth;
The oak that defies the stormiest skies
Was upright in its youth.
The beauty no time can destroy
In the pure young heart is furled;
And a worthy boy, a tender boy,
And a faithful boy, is king of the
world.

The cub of the royal lion
Is regal in its play;
The eagle's pride is as fiery-eyed
As the old bird's bald and gray.
The nerve that heroes employ
In the child's young arm is furled,
And a gallant boy, a truthful boy,
A brave, pure boy, is king of the
world. —Anon.

Success Talk to Boys.

Superintendent H. G. Russell, of Greenfield, Ill., gave a fine address to the boys of the Farm Encampment in that State. Of the many splendid things said the following are published for the readers of the Young Folks' department:

"Real success is within the grasp of every earnest, intelligent, honest boy who puts forth an effort to attain it. Every one can not acquire the same success as another, nor ought he to do so; all callings must be filled. Heretofore we have not been considering much about success in anything except professional lines. It is very natural and right that the boy should see himself down the future years in a better condition than he now occupies, that he should place before himself an ideal.

"Many a good farmer has been spoiled to make a poor lawyer or a poor preacher. The fault lies with our educational system which fits boys only for the professions. The boy gets started into a profession and finds himself unfitted for it, and the result is that he gets out of sympathy with the world and mankind.

MISTAKE IN MAKING CHOICE.

"After long work I succeeded in getting the ideals of sixty-eight boys in the high school; I got them to write the name of the men whom they wanted to follow as an ideal. A farmer boy selected a merchant in the city as his ideal. I asked him, 'Why did you select this man? Because of the personality of the man (who was bright, active, and clever) or on account of the business he follows? If on account of his business, I am afraid you made a mistake. You see the attractiveness of the man as he performs his work but you do not see his mistakes or the disadvantages of his business.'

DIDN'T SEE THE DOCTOR' WORK.

"Another boy wanted to be a doctor and gave the reason that it was 'a pretty good way to make money.' He did not consider the long, muddy rides and drives in the midnight hours and the intense pressure put upon the physician in the sick room. He simply saw the man drive out upon bright days on good roads, and thought he would like that kind of a life.

"If a boy likes a calling because he believes there is where he can best do something of the world's work, then I would say to him 'God speed you, and I will help you through college.'

WHEN FAILURE IS BETTER THAN SUCCESS.

"Failure is hurtful not so much on account of the failure as for its effect on one's character; a man would better fail honestly than to succeed dishonestly. Too much emphasis is placed upon success itself regardless of the means employed to secure it. There are, before the public, men who have achieved the very greatest success in business but who are now be-

ing humbled by a man of power. Never in history has there been a finer man than the President of the United States who is humbling the haughty men who have achieved success by questionable means.

'STAY WITH IT.'

"Select the calling for which you seem best fitted and then stay with it. Do not keep complaining about its disadvantages. One of the first ingredients of success is manliness.

A GREAT RECOMMENDATION.

"In this case I was able to say that the boy's associates were of the best and that he was strong enough and good enough to associate with anybody. The habits of the boy are inquired into. 'Is he out late at night?' If he goes to the gilded saloon and visits the low resorts there is no place for him in the world's work.

"Has he learned to finance himself? Does he live within his income and save a little? This is a very important point in a boy's success and in his chances for getting a good position.

"Recently I received a letter from a company asking about a boy whom I had known for two years. I could not afford to tell the company he was all right. I did not fill out the questions but wrote: 'Knowing the boy as I do, I wouldn't employ him.' I knew that he had extra notions for fast living, and I was afraid that if I recommended him he would be short in his accounts some day. This boy was the son of a renter, a good farmer and a good man, who had five boys.

THE BODY BETRAYS THE MIND WITHIN.

"Health is a great factor in success. Young men are building reputations, and every day they walk around with bodies and faces betraying the mind in the body.

"You can't get ahead if you spend more than your income. Success comes by hard knocks and sticking to it. It would not do much good to give you all the wealth you ask unless you have the disposition to use it properly. We should live by system and learn to save.

TO BE STRONG MEANS TO BE CLEAN.

"I visited the Ringling circus. One of the brothers told me that there 'are no cleaner people living than our actors and employees. If they were not clean they could not do this work six months.' I watched them tear down the tents and prepare to move, and there was not a loud voice nor an oath. Everything was done by a perfect system.

"It is worth something to have a regular hour to go to bed and to get up, and to follow clean habits.

BUSINESS FIRST; THOUGHT ALWAYS.

"It is all right to go to the ball game, but a man in business can not attend every game or his business will get away from him. Business can grow only by giving it attention and continued thought. You are to develop that mind of yours just as much as if you were in college. The builders and business men do as fine a course of thinking as anybody in the world; as the philosophers. There is no cleaner, better, or more cultural thinking than that of the man who thinks construction.

MUST FIT THE CALLING.

"A lady wanted her daughter to study music and took her to a fine musician. After the girl had sung the mother pressed the musician for his opinion of her qualifications until he said 'yes, she has a mouth.' He saw no other qualification. A mother said to me: 'I want my daughter to teach school.' I found out by questioning that the girl did not want to teach school; and I kept the county superintendent from giving her a certificate.

MINGLE WITH MEN.

"If one is to be a lawyer or a preacher he must develop his ability to meet men. The man in public ought to be a lover of men, and not be afraid to come in touch with them. The more you mingle with men the better you will love them, provided you are strong enough not to be injured, not to be degraded by degraded

Highland Park College,

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Music A Complete College of Music. Piano, Violin, voice, orchestra, band, chorus, harmony, mandolin, guitar, in fact, a full course in all grades of music. A fine faculty of teachers, each an artist in his line.

Oratory A Thoroughly Equipped College of Oratory under the direction of the most competent teachers.

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FURS

"The Blood is The Life."

Science has never gone beyond the above simple statement of scripture. But it has illuminated that statement and given it a meaning ever broadening with the increasing breadth of knowledge. When the blood is "bad" or impure it is not alone the body which suffers through disease. The brain is also clouded, the mind and judgement are affected, and many an evil deed or impure thought may be directly traced to the impurity of the blood. Foul, impure blood can be made pure by the use of Dr. Pierce's Golden Medical Discovery. It enriches and purifies the blood thereby curing, pimples, blotches, eruptions and other cutaneous affections, as eczema, tetter, or salt-rheum, hives and other manifestations of impure blood.

In the cure of scrofulous swellings, enlarged glands, open eating ulcers, or old sores, the "Golden Medical Discovery" has performed the most marvelous cures. In cases of old sores, or open eating ulcers, it is well to apply to the open sores Dr. Pierce's All-Healing Salve, which possesses wonderful healing potency when used as an application to the sores in conjunction with the use of "Golden Medical Discovery" as a blood cleansing constitutional treatment. If your druggist don't happen to have the "All-Healing Salve" in stock, you can easily procure it by inclosing fifty-four cents in postage stamps to Dr. R. V. Pierce, 663 Main St., Buffalo, N. Y., and it will come to you by return post. Most druggists keep it as well as the "Golden Medical Discovery."

You can't afford to accept any medicine of unknown composition as a substitute for "Golden Medical Discovery," which is a medicine of known composition, having a complete list of ingredients in plain English on its bottle-wrapper, the same being attested as correct under oath. Dr. Pierce's Pleasant Pellets regulate and invigorate stomach, liver and bowels.

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For Burns, Scalds, Piles, Chaps, Asthma, Sore Throat and Insect Bites. These goods are guaranteed to give satisfaction or money refunded. Ask your dealer for Menthomexico. If he does not handle it, send twenty-five cents to the

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Difficult Breathing

Short breath, fluttering, palpitation, sinking spells are symptoms of a weak heart, struggling to do its work. It must keep the blood in circulation to carry nourishment to make flesh, bone and muscle, and remove the worn-out particles. When it cannot do this, it must have help. Dr. Miles' Heart Cure gives strength to the heart nerves and muscles, and increases the heart action.

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MRS. MARY C. HANLON,
Sullivan, Mo.

Dr. Miles' Heart Cure is sold by your druggist, who will guarantee that the first bottle will benefit. If it fails he will refund your money.
Miles Medical Co., Elkhart, Ind.

humanity, and the stronger you are for the world's work.

"Go to the country school, to the high school, and to the college, you can't get too much education. Education never made a fool of anybody, but there are lots of educated fools. Beware of getting a 'swelled head' and of affectation.

EDUCATION IN WORK.

"I knew a boy who couldn't learn in school and never got beyond the fifth grade. He became a 'printer's devil' at \$3 per week, but he learned to run the engine, took an interest in the work, and stuck to it. Later I saw this same young man riding in an automobile of his own. He was a plumber and the best one in the city. He had a good home and all the comforts of life. When contracts were to be let this plumber was regarded as the most satisfactory fellow to do business with. He is a success.

"Your success depends upon your ability to 'deliver the goods.' One may know a great deal and not do anything. We should learn to do the things which need to be done."

What of It!

There may be more than one just cause for pride in the soul of the small boy at the close of his first day at school.

"How did you get on with spellin'?" Bob's mother asked him. "You look so pleased I'm sure you did well."

"No'm, I couldn't spell much of anything," admitted Bob. "And I couldn't remember the 'rhythmic very well, nor the jogger's."

The mother's face wore a look of disappointment, but Bob had reserved the choice morsel which was sure to raise a sensible parent to heights of appreciative joy.

"But that's no matter, mother," he said, bestowing a bear's hug upon her; "the boys all like me, and I've got the biggest feet in the class!"—The Epworth Herald.

The Little Ones

WHAT THE WINDS BRING.

Which is the wind that brings the cold?

"The north wind, Freddy, and all the snow; And the sheep will scamper into the fold When the north begins to blow."

Which is the wind that brings the heat?

"The south wind, Katy; the corn will grow, And peaches redden for you to eat, When the south begins to blow."

Which is the wind that brings the rain?

"The east wind, Arty; and farmers know That cows come shivering up the lane When the east begins to blow."

Which is the wind that brings the flowers?

"The west wind, Bessy; and soft and low The birdies sing in the summer hours When the west begins to blow."

—Selected.

How Politeness Paid.

When she gave the little talk Ralph's face turned very red. She couldn't know half how hard it was because she was graceful and pretty and seemed to be born polite. She couldn't know how hard it was for a boy to do those things because she hadn't ever been a boy. This was what Ralph was thinking as he listened to Miss Densmore's talk on politeness. Last week he had learned her little verse:

"To be polite is to do and say The kindest thing in the kindest way."

That did not trouble him much, for he was not a cruel boy and was not given to purposely doing and saying unkind things. In fact, that verse made politeness seem an easy matter. But today she had named a number of little acts which a gentlemanly boy would try to do for girls and women wherever he was and whoever they were. And when Miss Densmore explained the reason why gentlemen did these little acts for women, Ralph felt a real stir of chivalry within him and resolved that he would begin

Three generations of Simpsons have made



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Ask your dealer for
Simpson-Eddystone Prints
The famous old "Simpson" brands made only in Eddystone.

For all ages and all seasons. Beautiful patterns, tasteful effects and fast colors. A durable fabric at a reasonable price.

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The Eddystone Mfg. Co., Philadelphia
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The "Enterprise" way of sausage making not only saves time but lightens labor. Sausage made with the Enterprise Meat Chopper tastes differently too, because it is all chopped—actually cut; it is not crushed or ground. The revolving steel knife and perforated steel plate do their work easily and do it well. Tough meat made tender.

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have practically only two wearing parts—the revolving knife and the perforated cutting plate. Both are of the finest steel, and will wear for years. Replacing these two parts makes it a new machine. Easily cleaned, do not get out of order or break. Useful every day, in every kitchen, chopping almost every kind of food. Can be had at Hardware and General stores. Be sure the name "Enterprise" is on the machine you buy. 35 sizes and styles for Hand, Steam and Electricity. Catalogue free.

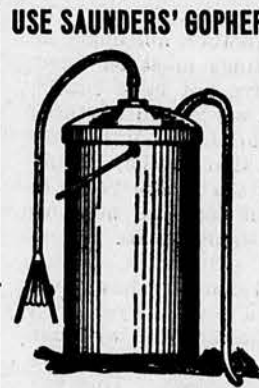
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Will be a good time to think over our proposition. We make the very best and cheapest road culvert that can possibly be had. We want all tax-payers to tell their town ship officers about our culverts and write for a catalog and prices. Our culverts are made of heavily galvanized and annealed corrugated iron and are guaranteed to stand up under any load that travels the highway. Get our catalog.

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USE SAUNDERS' GOPHER EXTERMINATOR

To kill prairie dogs, squirrels, gophers, badgers, etc. The apparatus shown in cut forces air through carbon bisulphide direct to holes and runways and is the most effective remedy known.

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Lincoln, Kans.

New and Liberal Homestead Regulations in WESTERN CANADA

New Districts Now Opened for Settlement

Some of the choicest lands in the grain-growing belts of Saskatchewan and Alberta have recently been opened for settlement under the Revised Homestead Regulations of Canada. Thousands of Homesteads of 160 acres each are now available. The new Regulations make it possible for entry to be made by proxy, the opportunity that many in the United States have been waiting for. Any member of a family may make entry for any other member of the family, who may be entitled to make entry for himself or herself. Entry may now be made before the Agent or Sub-Agent of the District by proxy (on certain conditions), by the father, mother, son, daughter, brother or sister of an intending homesteader.

"Any even-numbered section of Dominion Lands in Manitoba or the Northwest Provinces, excepting 8 and 20, not reserved, may be homesteaded by any person the sole head of a family, or male over 18 years of age, to the extent of one-quarter section, of 160 acres, more or less."

The fee in each case will be \$10. Churches, schools and markets convenient. Healthy climate, splendid crops and good laws. Grain-growing and cattle-raising principal industries.

For further particulars as to Rates, Routes, Best Time to Go and Where to Locate, apply to
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Canadian Government Agent

polite you're just the kind of a brother I'm proud of. I always wished you'd do such things, but I couldn't say anything about it."

And when his mother came home that evening, she smiled brightly at him and said:

"Ralph, I was so glad to see you speak to us as you did this afternoon. I never taught you to do such things because I did not know much about them and was not used to seeing the men I had been with do them. But it's a sight nicer than the rowdy way so many of the boys have around here. Aunt Fan was tickled to death, and what do you think she said? She said 'Jane, that's the kind of a boy I want to go with me when I take my trip East next month. I want a boy that has some manners and knows how to wait on a lady. I never thought Ralph had it in him. Can you spare him for two months?' and I told her 'Yes,' Ralph."—The Farmer's Review.

Club Department

Officers of the State Federation of Women's Clubs.

President.....Mrs. Eustace H. Brown, Olathe
Vice-President.....Mrs. C. H. Trott, Junction City
Rec. Secretary.....Mrs. F. B. Wheeler, Pittsburg
Cor. Secretary.....Mrs. Charles C. Shoales, Olathe
Treasurer.....Mrs. C. W. Landis, Osborne
Auditor.....Mrs. M. S. Munson, Eldorado
General Secretary.....Mrs. C. C. Goddard, Leavenworth
General Director.....Mrs. W. A. Johnson, Topeka

Our Club Roll

Excelsior Club (1902).....Potwin, Butler Co.
Women's Literary Club (1902) Osborne, Osborne Co.
Women's Club (1902).....Logan, Phillips Co.
Domestic Science Club (1898).....Osage, Osage Co.
Ladies' Social Society No. 1, (1898)
Challiso Club (1902).....Highland Park, Shawnee Co.
Cultus Club (1902).....Phillipsburg, Phillips Co.
Littérateur Club (1902).....Ford, Ford Co.
Star Valley Women's Club (1902).....Iola, Allen Co.
West Side Forestry Club (1903)
Topeka, Shawnee Co., Route 8.
Fortnight Club (1903).....Grant Township, Reno Co.
Progressive Society (1903).....Rosalia, Butler Co.
Pleasant Hour Club (1899)
Wakarusa Township, Douglas Co.
The Lady Farmer's Institute (1902)
Marysville, Marshall Co.
Women's Country Club.....Marysville, Harper Co.
Richardson Embroidery Club (1902)
Madison, Greenwood Co.
Prentiss Reading Club (1903) Cawker City, Mitchell Co.
Cosmos Club.....Russell, Kans.
The Sunflower Club (1905).....Perry, Jefferson Co.
Chaldean Club (1904).....Sterling, Rice Co.
Jewell Reading Club.....Osage Co.
The Mutual Helpers (1903).....Madison, Kans.
West Side Study Club (1903).....Delphos, Ottawa Co.
Domestic Science Club (1903) Berrinton, Shawnee Co.
Mutual Improvement Club (1903)
Vermillion, Marshall Co.
Clio Club (1897).....Columbus, Kans.
Centralia Reading Circle.....Nemaha Co.
White Rose Branch (1907).....Syracuse, Kans.
Cedar Branch (1907).....Lookaba, Okla.
(All communications for the Club Department should be directed to the Club Department, Kansas Farmer, Topeka, Kans.)

Program.

Responses. Favorite Recipe.

I. Food and Health.

II. The Cooking of Vegetables.

III. Is Meat a Necessary Element of Food?

I. The housekeeper today must not only cook the food but know how to select it and know the effect of the different foods upon the health. Upon the food, the kind, the way prepared, and eaten depends the healthfulness of the body, hence it is a profitable subject to consider.

II. There is a right way and a wrong way to do everything. All vegetables are not prepared in the same way, and it is important from the standpoint of health and taste to know the best way for the different kinds.

III. This is a much discussed topic. There are many people who do not use meat at all and claim they are healthier, and happier without it. There are foods that take the place of meat that contain ended proteids, such as beans, eggs, cheese, bread, and milk that do not contain the objectionable waste products of flesh food. This subject should be generally discussed.

District Federation at St. Marys.

The fifth district federation, which met at Marysville, was a large and enthusiastic meeting. They voted to amend the constitution to authorize the treasurer to pay the traveling expenses of the members of the executive board to one board meeting and the annual meeting. Their principal object next year will be to help to establish a home for tubercular patients at Dodge City.

The General Federation Art Gallery.

The vice chairman of the art committee of the general federation has written for the names of the Kansas towns that want the general federation traveling art gallery for an exhibit this year.

This collection consists of original pictures, not reproductions. They are oil paintings, water colors and etchings. It serves a great purpose in bringing the small towns in touch with the work of the artist, fresh from his own hand, and in whatever medium he has expressed the artistic impulse.

There is no expense attached to the use of this collection of pictures, except the express from the last point of exhibit.

There is no division of money that may come from their use. That is retained by the organization exhibiting them.

They are insured and packed so the expense of carriage is light.

I wrote several weeks ago asking

when it would be possible for Kansas to have these pictures.

No reply was received until November 13, when the announcement came, that it would be necessary to route the gallery at once.

The preparation necessary to have these pictures is nothing, as I hope no organization will go below the plane of art, to make a commercial enterprise of an art exhibit, excepting the legitimate thing of charging an admittance fee.

These pictures should be studied in our Kansas towns, for the sake of their educational and art influence.

They should leave in the communal life, a greater respect for art, a more tender insight into nature, and a new power to interpret its beauty. Write me at once if you wish to use the general federation pictures in your club.

CORA G. LEWIS,

Chairman Art Committee, K. F. W. C.

The first district federation will devote itself next year to the educational loan fund of the State Federation, established by Mrs. May Bellville Brown of Salina during her administration as president. The State federation now has over \$200 in the funds to be loaned to a Kansas girl to help her through college. The Colorado federation has a loan fund of over \$1,000 and has never lost a cent of it, the girls who borrowed from the fund, without security, have in every case, returned the money after their education had fitted them to earn.

A Golden Butter Mine.

Butter is high price—so says every housekeeper.

And the natural laws of season and pasturage will send it higher—they always do.

Butter demand is growing—constant.

And demand for best butter is growing more rapidly than for average butter.

Less supply than demand will boost prices. Making better quality butter—the best quality—will push the prices up faster than anything else.

This is the butter situation which today confronts the dairyman.

It's one of the opportunities which come to men, which if embraced lead on to business profits or if neglected—well, some other fellow gets the profits.

Your dairy, Mr. Dairyman, is a mine—a gold mine, if you please. It's more important to you than the doings of the money centers—and more important, collectively, to the Nation.

It's for each dairyman and dairywoman to decide whether and how much they will share in the butter gold mine, or whether they will let go by default the products and profits they may enjoy.

The world's financial centers blow hot and cold, as power and men change places.

The dairies of the country, with the demand for butter from an always increasing population which depends upon them, are a business machine—a butter plant—which can be depended upon for scores of years to come.

Good stock is the first requisite. No body questions that.

Next to good stock a centrifugal separator is a necessity—the pan and can raising system of securing butter fat can't keep up.

When it comes to separators there is one different from all others; one 20th century separator; one separator with suspended instead of supported bowl; one oiled-automatically yet perfectly-lubricated machine; one separator without bowl contents; one plain, smooth-bowl separator; one simplest-constructed separator—the Tubular. It costs no more to get the best than to buy an inferior "bucket bowl" machine.

The exclusive and invaluable advantages belong to and are held by patents and processes of manufacture for the people who use the Tubular in their dairies.

They are facilities and conveniences not to be purchased nor secured in other separators.

By their help the dairyman and dairywoman can equip his or her home dairy to gain a share from the butter gold mine which exists in every community of the United States and which needs only intelligent working to yield rich profits.

Isn't it time for you, Mr. Dairyman, to be thinking of your butter gold mine, right at your home, ready for the working, capable of yielding big and constant rewards, if only you work it properly?

If you think "yes" write to the Sharples Separator Company, West Chester, Pa., for their "business dairying" handbook and regular catalogue. Both free, if you mention this paper. Both books will help you in getting ready to gain largest possible profits from the butter gold mine.

Another fact:—In the beginning of the year 1907 the Sharples Separator Company decided to award an upright piano to some purchaser of a Tubular separator, who had bought or might buy a Tubular separator during 1907. Time still for you to get in the list of eligible purchasers to one of whom the piano will go.

You can get a Tubular at the regular price, and the dairy help and profit the Tubular stands for. You may get a piano—some 1907 purchaser of a Tubular will get the instrument.

But the upward-tending price of but-

Dr. Pierce's Favorite Prescription

Is a non-secret, non-alcoholic and most potent invigorating, restorative tonic and strengthening nervine, especially adapted to woman's peculiar requirements by an experienced specialist in the treatment of her diseases.

Nursing mothers will find "Favorite Prescription" especially valuable in sustaining their strength and promoting an abundant nourishment for the child. Expectant mothers too will find it a priceless boon to prepare the system for baby's coming and to render the ordeal comparatively easy and painless.

Over-burdened women in all stations in life whose vigor has been undermined by exacting social duties, over-work, frequent bearing of children, will find "Favorite Prescription" the greatest strength giver ever employed. It can do no harm in any state or condition of the female system.

Delicate, nervous, weak women, who suffer from frequent headaches, backache, dragging-down distress low down in the abdomen, or from painful or irregular monthly periods, gnawing or distressed sensation in stomach, dizzy or faint spells, see imaginary specks or spots floating before eyes, have disagreeable, pelvic catarrhal drain, ulceration, prolapsus, anteversion, retroversion, or other displacements of womanly organs from weakness of parts, will, whether they experience many or only a few of the above symptoms, find relief and, generally, a permanent cure by using faithfully and fairly persistently Dr. Pierce's Favorite Prescription.

This world-famed specific for woman's weaknesses and peculiar ailments is a pure glyceric extract of the choicest native, medicinal

roots without a drop of alcohol in its make-up. All its ingredients are printed in plain English on its bottle-wrapper and attested under oath. Dr. Pierce thus invites the fullest investigation of his formula knowing that it will be found to contain only the best agents known to the most advanced medical science of all the different schools of practice for the cure of all woman's peculiar weaknesses and ailments.

Dr. Pierce's Lotion Tablets and Antiseptic Suppositories may also be used with great advantage conjointly with the use of the "Favorite Prescription" in all cases of ulceration, and in pelvic catarrh. They cost only 25 cents a box each, at drug stores or, sent by mail, post-paid on receipt of price in stamps by Dr. Pierce whose address is given below.

If you want to know more about the composition and professional endorsement of the "Favorite Prescription," send postal card request to Dr. R. V. Pierce, Buffalo, N. Y., for his free booklet treating of same.

You can't afford to accept as a substitute for this remedy of known composition a secret nostrum of unknown composition. Don't do it.

Dr. Pierce's Pleasant Pellets are the original "Little Liver Pills" first put-up by old Dr. Pierce over 40 years ago. Much imitated, but never equaled. They cleanse, invigorate and regulate stomach, liver and bowels, curing biliousness and constipation. Little sugar-coated granules—easy to take as candy.

TEN ACRES OF PEARS BROUGHT \$15,000

Does this statement border on the marvelous? Suppose it could be verified? Suppose you could be shown other crop yields and returns therefrom equalled or surpassed it? Wouldn't you feel like investigating the merits of such a section? At any rate wouldn't you like to learn more about it and read what its citizens say about it? Then send to the undersigned for free copy of

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ter, and the certainty of a permanent good price for good quality, are the ample reason why you should be seeking the world's best centrifugal separator, inquiring about and getting acquainted with the Tubular, and shaping your dairy business to share in the gains that the world is giving yearly in larger measure for excellent butter.

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Topeka, Kansas

Dairy Interests

Feeding Grain to Milch Cows at Pasture.

From West Virginia University Agricultural Experiment Station Bulletin No. 109. J. H. Stewart and Horace Atwood.

The conditions surrounding the dairy business in parts of West Virginia are somewhat peculiar. Owing to the rapid industrial development of the State there are many cities and towns in which the population has increased so rapidly that the surrounding country has been unable, at least temporarily, to supply adequate quantities of agricultural products. This is especially true of milk, cream, butter, and cheese. In fact there is practically no cheese, and but little creamery butter made anywhere in the State, and the supply of milk and cream for direct consumption is so inadequate that cities even as far in the interior as Grafton and Clarksburg are obliged to send to Ohio for a portion of their supplies. As a consequence first-class dairy products rule high in price.

Although West Virginia possesses large areas of limestone soil on which blue grass thrives to perfection, yet in the coal fields, which comprise approximately one-half of the area of the State and where most of the industrial development is taking place, the pastures in general are not particularly luxuriant. In the latter part of the summer, especially, they are apt to become dry and parched, and it is a matter of much practical importance how to keep up the milk flow at that season of the year. For this purpose the practice may be adopted of feeding either grain or soiling crops to supplement the pasture. Is either one of these practices profitable, or both? If soiling crops and grain can both be fed to advantage in the summer time, which is the more profitable of the two, or should grain be used in connection with soiling crops for the very best results?

In order to begin the study of these practical problems an experiment has been performed during the past summer in which twelve cows of the station herd have been employed. They were mostly Jerseys or Jersey grades, except numbers 19 and 20 which were Jersey-Ayrshire heifers with their first calves and with the exception of these two most of the other cows had been several months in milk.

The cows were divided into two lots as nearly similar as possible in milk

flow, in age, in length of time they had been in milk, and in length of time until next calving. For periods of two weeks one lot of cows received grain, and the other lot did not receive grain. Then the conditions were reversed and the lot which had not been receiving grain were fed grain, and the other lot no grain, and so on. Three tests were made. The first began June 13th, the second July 10th, and the third August 8th. Each test was continued for twenty-eight days.

The grain employed was "Sucrene," one of the proprietary dairy feeds. It had a guaranteed composition of 16.5 per cent protein 3.5 per cent fat, and cost twenty-five dollars per ton delivered at the farm. Six pounds of this was fed daily to each cow, when receiving grain, the amount being divided into two feeds of three pounds each.

TEST I.

During the time covered by this test, June 13th to July 10th, the pasture remained fresh and green and there was plenty of grass available for the cows. The following table shows the number of pounds of milk given by each cow, with, and without grain, during each of the two fourteen-day periods.

Cow No.	Period 1.		Period 2.	
	With grain.	Without grain.	With grain.	Without grain.
1.....	420.5	353.	353.	353.
6.....	554.25	442.75	442.75	442.75
7.....	457.75	361.25	361.25	361.25
8.....	439.50	338.50	338.50	338.50
10.....	268.25	244.25	244.25	244.25
20.....	305.50	261.50	261.50	261.50
3.....	330.50	339.	339.	339.
5.....	270.50	247.25	247.25	247.25
9.....	475.	469.25	469.25	469.25
17.....	307.	354.75	354.75	354.75
18.....	391.25	300.75	300.75	300.75
19.....	348.	319.50	319.50	319.50

Total...2,445.75 2,122.25 2,030.50 2,001.25
Total production, with and without grain...4,476.25 4,123.50

During the twenty-eight days the cows, when receiving grain, produced 4,476.25 pounds of milk, and when not receiving grain the same cows produced 4,123.50 pounds, leaving a balance of 352.75 pounds of milk due to the grain feeding. This is practically equivalent to 164 quarts. For this increased milk production 6 pounds of grain was fed daily to each of the six cows for twenty-eight days, or a total of 1,008 pounds of grain costing twelve dollars and sixty cents. This made the extra milk production cost at the rate of 7.6 cents per quart.

The weight of the cows. The cows were weighed at the beginning of the test and at the end of each period. The result of the different weighings are brought together in the following table.

Cow No.	Beginning of test.	End of 1st period.		End of 2d period.	
		With grain.	Without grain.	With grain.	Without grain.
1.....	710	735	740	740	740
6.....	695	690	690	690	690
7.....	850	880	790	790	790
8.....	940	965	980	980	980
10.....	840	860	845	845	845
20.....	605	645	690	690	690
3.....	710	705	715	715	715
5.....	825	850	875	875	875
9.....	800	800	810	810	810
18.....	580	580	585	585	585
17.....	780	780	805	805	805
19.....	640	660	680	680	680

Total...4,325 4,375 4,480

Lot I, which received grain during the first period, gained 85 pounds, and without grain during the second period 10 pounds. Lot II without grain during the first period 40 pounds and with grain during the last period 105 pounds. The larger increases in live weight in both cases were made when the cows were receiving grain.

TEST II.

This test began July 25th, and was finished August 21st. Although the rainfall was fairly abundant during this test yet the grass became short affecting both the yield of milk and the weight of the cows. The following table shows the milk yield.

Cow No.	Period 1.		Period 2.	
	With grain.	Without grain.	With grain.	Without grain.
1.....	289.	232.75	232.75	232.75
3.....	288.25	254.75	254.75	254.75
7.....	294.	253.	253.	253.
9.....	351.50	309.25	309.25	309.25
15.....	288.25	254.50	254.50	254.50
20.....	197.	148.25	148.25	148.25
2.....	276.25	295.50	295.50	295.50
4.....	261.50	288.50	288.50	288.50
6.....	274.50	297.25	297.25	297.25
10.....	176.75	162.25	162.25	162.25

14.....	256.25	266.75	266.75	266.75
17.....	221.	233.	233.	233.
Total...1,708.	1,466.25	1,543.25	1,452.50	1,466.25

Total production with and without grain...3,251.25 2,918.75

The increased yield due to feeding the grain amounted in this test to 332.5 pounds or practically 155 quarts of milk. As the grain cost twelve dollars and sixty cents in this test also, the increased milk production cost 8.1 cents per quart.

The following table shows the weight of the cows during this test.

Cow No.	Beginning of test.	End of 1st period.		End of 2d period.	
		With grain.	Without grain.	With grain.	Without grain.
1.....	745	740	720	720	720
3.....	730	750	725	725	725
7.....	755	770	760	760	760
9.....	810	820	800	800	800
15.....	750	730	730	730	730
20.....	690	685	670	670	670
Total...4,480	4,495	4,405	4,405	4,405	4,405
2.....	825	785	750	750	750
4.....	760	700	680	680	680
6.....	685	680	665	665	665
10.....	680	860	880	880	880
14.....	990	955	930	930	930
19.....	680	670	665	665	665

During the first period lot I increased in live weight 15 pounds, while lot II fell off 170 pounds. During the second period both lots increased somewhat in weight, those which had received grain losing slightly less than the others.

TEST III.

This test covered the period from August 22d, to September 18th, both inclusive. During this interval there fell only 1.66 inches of rainfall, and the grass in the pasture became so short that it was necessary to supply additional forage. This was provided in the form of cow-peas. These were cut as required, and a small amount scattered daily in the pasture. The peas were of poor quality, being very weedy, and no record was kept of the amount fed at it was impossible to estimate accurately the weight of the weeds rejected.

The following table shows the number of pounds of milk produced during the test.

Cow No.	Period 1.		Period 2.	
	With grain.	Without grain.	With grain.	Without grain.
1.....	244.75	209.50	209.50	209.50
3.....	250.50	210.50	210.50	210.50
7.....	273.50	180.75	180.75	180.75
9.....	325.75	258.	258.	258.
15.....	270.	230.	230.	230.
20.....	163.50	133.50	133.50	133.50
2.....	317.	318.	318.	318.
4.....	309.50	312.50	312.50	312.50
6.....	269.50	246.	246.	246.
10.....	133.25	98.	98.	98.
14.....	247.50	227.	227.	227.
19.....	204.	183.50	183.50	183.50

Total...1,528. 1,480.75 1,385. 1,222.25
Total production with and without grain...2,913. 2,703.

In this case the increased milk production due to the feeding of the grain amounted to 210 pounds or 98 quarts of milk, and as the grain cost the same as in the former test this increased milk production cost nearly 13 cents per quart.

The following table gives the weight of the cows during this test.

Cow No.	Beginning of test.	End of 1st period.		End of 2d period.	
		With grain.	Without grain.	With grain.	Without grain.
1.....	720	760	735	735	735
3.....	725	740	740	740	740

WEIGHT OF COWS. TEST 3.

Cow No.	Beginning of test.	End of 1st period.		End of 2d period.	
		With grain.	Without grain.	With grain.	Without grain.
1.....	720	760	735	735	735
3.....	725	740	740	740	740

"THE WORLD'S STANDARD"
DE LAVAL
CREAM
SEPARATORS
THE DE LAVAL SEPARATOR CO.
74 CORTLANDT ST. NEW YORK. RANDOLPH & CANAL STS. CHICAGO.

7.....	760	770	745
9.....	800	825	810
15.....	730	760	755
20.....	670	690	660
Total...4,405	4,545	4,445	4,445
2.....	750	750	750
4.....	680	725	730
6.....	665	675	660
10.....	880	875	885
14.....	930	950	960
19.....	665	645	675
Total...4,570	4,670	4,675	4,675

During the first period in this test the cows that received grain increased in weight 140 pounds, and those without grain 100 pounds. In the second period those without grain lost 100 pounds in live weight, while those receiving grain gained 5 pounds.

SUMMARY.

This experiment clearly shows that there was no direct financial gain in feeding the grain to the cows while at pasture. It is true that the cows which received grain were uniformly in somewhat better flesh than those that did not receive grain, but as far as the milk yield was concerned the increased flow was produced at an actual loss. It is possible that some other feeding stuff than that employed might have given better results, but the cows seem to relish the "Sucrene" and it is probably that as good results were obtained as would have been obtained by employing the feeds more generally used.

It is interesting to bring together the results of experiments that have been performed at other institutions in feeding grain to cows at pasture, and as these experiments are few in number a brief resume is made of them.

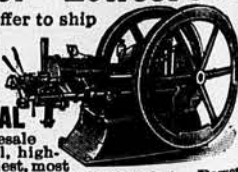
(To be continued.)

IF INTERESTED IN BEES, POULTRY OR DAIRYING

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A clean, bright, practical monthly, only 25 cents per year. ELDON, MO.

Most Power—Lowest Cost

To prove it we offer to ship you the wonderful
Sampson
Gasoline Engine
on 60 DAYS' TRIAL
at the lowest wholesale price. This powerful, high-grade engine is simplest, most reliable and economical on the market. Power greater than rated! Guaranteed 5 Years. Save money by writing at once for Free Engine Catalog.
JONES BROS. MFG. CO. (Successor to Kemper-Taxton)
1008 Liberty St., Kansas City, Mo.



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Spells the key-word to the great popularity of the
U. S. CREAM SEPARATOR

SKIMS CLEANEST
Holds World's Record.

IS SIMPLEST
Two parts in the bowl.

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Record proves it.

RUNS EASY
Users say so.

QUICKLY CLEANED
Parts few and simple.

LOW MILK CAN
Saves much lifting.

PERFECTLY SAFE
Gearing entirely enclosed.

SAVES THE MOST
Cream, time, work.

Dairymen choose the U.S. because they KNOW it can be depended upon to do the Best work ALL the time, and the Longest time, too.

My U.S. is not out of order every week or two like my neighbors' who use other makes, ARE
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Middleburgh, N.Y.

May we explain to you why? Please send for complete illustrated book No. 91
VERMONT FARM MACHINE CO.
Bellows Falls, Vermont 478

Lost Strayed or Stolen—One Cow

That is about what happens each year for the man who owns five cows and does not use a Tubular cream separator. He loses in cream more than the price of a good cow. The more cows he owns the greater the loss. This is a fact on which Agricultural Colleges, Dairy Experts and the best Dairymen all agree, and so do you if you use a Tubular. If not, it's high time you



did. You can't afford to lose the price of one or more cows each year—there's no reason why you should. Get a Tubular and get more and better cream out of the milk; save time and labor and have warm sweet skimmed milk for the calves. Don't buy some cheap rattle trap thing called a separator; that won't do any good. You need a real skimmer that does perfect work; skims clean, thick or thin, hot or cold; runs easy; simple in construction; easily understood. That's the Tubular and there is but one Tubular, the Sharples Tubular. Don't you want our little book "Business Dairymen," and our Catalog A.165 both free? A postal will bring them.

The Sharples Separator Co.
West Chester, Pa.
Toronto, Can. Chicago, Ill.

LEGHORNS.

FOR SALE—Single Comb White Leghorn cockerels. Wyckoff laying strain. Also a few pullets. Prices \$1 and \$1.50. Henry Martin, Newton, Kans.

ROSE COMB BROWN LEGHORN cockerels \$1. If not satisfactory return at my expense. Frank Dunable, Clay Center, Kans.

FOR SALE—15 S. C. W. Leghorn cockerels at \$1 and \$2 each. If you wish to improve egg production in your grade hens, get a few of these cheap, pure-bred cockerels. Or improve your flock of White Leghorns by buying one of the \$2 birds. R. B. Wilkin, Tongonoxie, Kans.

FOR SALE—Scotch Collie pups and Rose Comb Brown and White Leghorns; S. S. Hamburg cockerels. Chas. W. Gresham, Bucklin, Kans.

ROSE COMB BROWN and White Leghorns. Pure-bred, April-hatched cockerels, \$1 each. Buy early and get the best. Samuel Andrews, Kinsley, Kans.

PURE-BRED S. C. B. Leghorn cockerels \$1 each, six for \$4. Mrs. F. E. Town, R. 3, Haven, Kans.

Grand cockerels from prize winners of the Famous Witman strain of S. C. Brown Leghorns. Prices from \$1.50 to \$5.00 each. Special prices on doz. lots. L. H. Hastings, Quincy, Kans.

S. C. BROWN LEGHORNS—Some fine early hatched cockerels for sale cheap. We handle two best strains of Leghorns. Come early if you want the best. Write for prices. L. H. Hastings, Quincy, Kans.

STANDARD-BRED SINGLE COMB BUFF LEGHORNS—Headed by first prize pen, Chicago show 1906 and took six first prizes and first pen at Newton, 1904. Eggs, \$3 for 15. S. Perkins, 801 East First Street, Newton, Kans.

PLYMOUTH ROCKS.

CHOICE BARRED PLYMOUTH ROCKS a specialty. Also several other varieties. Write your wants. Circulars free. A. H. Duff, Larned, Kans.

WHITE PLYMOUTH ROCKS exclusively; young and old. Stock for sale. J. C. Bostwick, Hoyt, Kans.

PLYMOUTH ROCKS—Barred Rocks; some pure-bred cockerels for sale now. 75 cents each. Mrs. Wm. Bumphrey, Corning, Kans.

For Sale Until December 1 1907.

Pure-bred B. P. Rock chickens by prize-winning birds. Cockerels \$1 each, pullets \$2 per dozen, \$5 per half dozen. A. C. Merritt, Hillcrest Fruit and Poultry Farm, North Topeka, Kans. Independent phone 4351.

Miller's Famous Barred Plymouth Rocks

If you want a fine cockerel from my prize-winning strain write me at once. I have a fine lot and they won't last long. Prices \$1.50 up. Satisfaction guaranteed. A. H. Miller, Bern, Kans.

White Plymouth Rocks EXCLUSIVELY

Good for Eggs. Good to Eat. Good to Look at.

W. P. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 280 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96%, and as good as can be found anywhere. Eggs only \$2 per 15; \$5 per 45, and I prepay expressage to any express office in the United States. Yards at residence, adjoining Washburn College. Address

THOMAS OWEN, Sta. R. Topeka, Kans.

WYANDOTTES.

SPECIAL PRICES on White Wyandotte hens, pullets and cockerels for a short time; also White Holland turkeys. Mrs. E. F. Ney, Bonner Springs, Kans.

B. P. ROCKS, PARTRIDGE WYANDOTTES—Birds of royal breeding. Low prices for 30 days. Mrs. Minnie K. Clark, R. 3, Lawrence, Kans.

BROWN'S WHITE WYANDOTTES—Ahead of everything; stock for sale; eggs in season. I have the English Fox Terrier dogs. Write me for prices and particulars. J. H. Brown, Clay Center, Kans.

BRAHMAS.

LIGHT BRAHMAS—None better east or west. Pens of 4 hens, 1 cockerel, average better than 90 points. \$10 per. Cockerels to head your flocks. Write J. T. Edson, Schaller, Iowa.

Light Brahma Chickens

Choice pure-bred cockerels for sale. Write or call on Chas. Foster & Son, Eldorado, Kans. Route 4

BLACK SPANISH.

WHITE-FACED BLACK SPANISH

Choice hens, cocks and cockerels for sale at prices that will sell them.

H. W. Chestnut, Centralia, Kans.

BUFF ORPINGTONS.

ORPINGTONS—1,000 to sell to make room. Catalogue free. W. H. Maxwell, 1906 McVicar Avenue, Topeka, Kans.

CHOICE Buff Orpington and B. P. Rock cockerels. Collie pups and bred bitches. Send for circular. W. B. Williams, Stella, Neb.

RHODE ISLAND REDS.

FOR SALE—Rose Comb Rhode Island Red cockerels; Duro-Jersey boars; one registered Red Polled bull. I. W. Poulton, Medora, Kans.

BLACK LANGSHANS.

PURE-BRED WHITE LANGSHANS for sale. Hens \$1.25, pullets \$1 each; also a few Silver Spangled Hamburg cockerels. Mrs. John Cooke, Greeley, Kans.

FOUR DOLLARS

Yearly profit from each hen assured by using Little Gem Hatcheries and my Bifold System. All fertile eggs hatched and almost every chick RAISED. Hens safely forced to lay over 200 eggs a year each. Fowls fatted 2 to 4 pounds in 20 days, and prime poultry food made for only 8 to 12 cents a bushel. Convincing proof free. F. GRUNDY, Expert Poultryman, Morrisville, Ill.

The Poultry Yard

CONDUCTED BY THOMAS OWEN.

Poultry Notes.

The cold weather came down upon us "like a wolf on the fold," without warning or notice and probably found our poultry houses illly prepared to keep our poultry in a comfortable condition. If not attended to by this time, see that the cracks are battened up, the missing glass replaced and the house made as comfortable as possible, for there are colder days coming before long.

If you would keep your laying hens in good laying condition, you must not let them out on real cold days or they will stand around and get chilled and be retarded in their laying streak. It is so much harder to get them to laying again after they have quit than it is to keep them at it, that it pays one to be a little careful of their comfort. Keep them in the house, give them a good, warm meal in the morning and provide lots of straw or litter for them to scratch in to keep them warm. Wheat, Kafir-corn, or millet seed scattered in the litter will give them plenty of exercise and keep them warm and naturally the eggs will keep coming.

The chances are that you will get a good price for your hens, ducks, and geese on Thanksgiving week, for turkeys are mighty scarce and the prices are way up high. Feed the fowls that you are going to sell all the nourishing food you can get them to eat, and thus bring more money into your pocket and make the birds taste better to the consumer for being fatter and plumper.

On December 19th the management of THE KANSAS FARMER will issue a special poultry edition. This special edition will be of great interest to the poultry fraternity and should be appreciated by them. If you have any good recipe to offer or any good suggestion to make for the good of poultrymen in general, send it in in time for this special number. If you have any advertising to do, and all poultry breeders ought to have some, now is your time to send in your advertisements. You will never have a better opportunity to offer your product to the buying community. In addition to the regular edition, several thousand extra copies will be distributed all over the country making it the best advertising proposition ever offered to the poultry breeders of this and adjoining States. Let your copy be in not later than December 10 and as much earlier as you desire.

About the Price of Incubators.

There are a great many low-priced incubators on the market, but there are very few that are backed up by quality. There are also a great many incubators that have the quality, but these are generally high priced.

The demand for a low-priced incubator which has the quality of a high-priced one, led the Leahy Manufacturing Co., of Higginville, Mo., into placing their now famous Favorite Incubator on the market.

The remarkable success of this incubator is not so much to be wondered at, for why should anybody pay a high price, for an incubator which is no better, or pay the same price, for an incubator much worse.

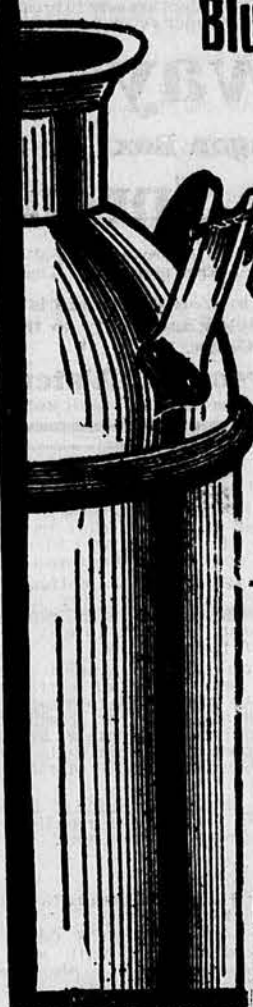
A poor incubator is worse than none at all, because it means only a loss of eggs, time, and temper. When you buy a high-priced incubator of the same quality as the Favorite you lose on first cost, as results are sometimes even better with the Favorite, but the same results are guaranteed.

The liberal 60 days free trial on which Favorite incubators are sold, gives you an opportunity of testing it for 2 full hatches. The Leahy Manufacturing Co. guarantee that it is the lowest-priced high quality incubator ever manufactured and if you don't find it so, you can send it right back and they'll pay the freight both ways.

We suggest that you write for this catalogue which besides containing handsome half-tone cuts of the Favorite incubators, brooders, etc., is gotten up with the idea of being invaluable to all who are interested in poultry. The Leahy Manufacturing Co. believe their catalogue should be in the hands of all poultry people, and feel sure that it will be appreciated for the information it contains, as you will find in their Poultry Notes news that you may not find anywhere else and just when you want it. This catalogue will also show just how they make this wonderful in-

See That Your Tag Reads:

Blue Valley Creamery Co.
St. Joseph, Mo.



Our Price for Butter-Fat is

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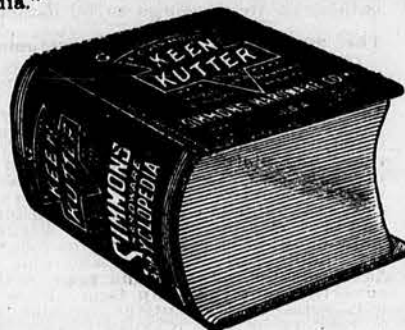
and we pay spot cash.

BLUE VALLEY CREAMERY CO., ST. JOSEPH, MO.

subator and tells all about their honest 60 days free trial offer. The catalogues are sent free if you mention this paper.

The New Hardware Encyclopedia.

The new general catalogue just issued to the Retail Hardware Trade by the Simmons Hardware Company is the greatest achievement of its kind in modern times and has rightfully been called "Simmons Hardware Encyclopedia."



Each copy contains 4,200 pages, 21,535 illustrations and 79,137 different items, and weighs 20 pounds, the entire edition weighing more than 250 tons. It required 16 carloads of paper, 184 tons of tar board for binding and 58,000 square feet of binding cloth to make up this catalogue, in which the printing presses have deposited 1 1/2 tons of ink in printing.

Not only does this vast catalogue eclipse anything ever before attempted in point of magnitude, but it represents perfection in every detail. The five-colored reproductions of Keen Kutter goods are beautiful in appearance and perfect in detail. Illustrations are correct, descriptions are concise and complete, classifications of goods clearly defined, and, as a whole, it is safe to say it is the greatest commercial catalogue of any kind the world has ever seen.

This catalogue is issued exclusively to the Retail Hardware Merchant for his use in picturing and describing to the public any items which might be wanted but which he would not usually carry in stock, and by means of it the retail merchant can supply anything on earth that would be in stock in the

MISCELLANEOUS.

MAMMOTH BRONZE TURKEYS—From best strains of blood. Have two pens. Toms and hens extra large with fine markings. Toms \$5, hens \$3. Mrs. A. D. Watts, Route 2, Hallowell, Kans.

AGENTS—To sell and advertise our Poultry Compound; \$35 weekly; rig furnished. Franklin Manufacturing Company, Norwalk, Ohio.

CHICK-O FOR BABY CHICKS—"Just the feed and all they need." A balanced ration of pure grains, seeds, bone, etc. Ask your dealer or write to headquarters. D. O. Coe, 119 East Sixth Street, Topeka, Kans.



Hatch Chickens by Steam with the EXCELSIOR INCUBATOR Or WOODEN KEN

Simple, perfect, self-regulating. Hatch every fertile egg. Lowest priced first-class hatchers made. GEO. H. STAHL, Quincy, Ill.



BEE SUPPLIES

We can furnish you bee and all kinds of bee-keepers' supplies cheaper than you can get elsewhere, and save you freight. Send for our catalogue with discount sheet for early orders.

TOPEKA SUPPLY HOUSE, 7th and Quincy, Topeka, Kans.

largest retail hardware store in the world.

It is well worth the time of any man, woman or child to call on a local dealer and ask to see a copy of the "Simmons Hardware Encyclopedia."

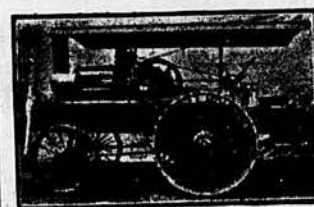
The Freacher's Praise.

In a recent letter from a minister he expresses his appreciation of THE KANSAS FARMER in the following words: "I did nothing but preach until I was 59 years old, then I came to Kansas and began farming. I was advised to take THE KANSAS FARMER; I read it and made a success of farming. Enclosed find check for \$1.00 to pay for my FARMER for another year." A yearly subscription to THE KANSAS FARMER is a mighty good investment for the whole family.

DEEP CUT PRICES

A splendid line of second hand engines, rebuilt this fall and put in first-class working order, almost as good as new. Sizes 10 to 25 horse-power. Leading makes. Favorable terms. Write for particulars, or what is better, come and let us show you.

The Prairie Queen Mfg Co., Newton, Kans. Manufacturers of the Prairie Queen Grain Separator, Gen. Agts. for The A. D. Baker Traction Engines



The Townsend Automatic Trap Nest

Awarded first premium Kansas State Fair, 1904-07. Invaluable to poultry raisers. The hen, on going in, closes the gate behind her, shutting out all other fowls. At any time she wants out for food or exercise, she can easily release herself. By simply lowering a latch, it is converted into a "Trap Nest" that is absolutely reliable. These nests are manufactured under our own patent. Write us for information and testimonials from users. AGENTS WANTED. Address

P. G. TOWNSEND & CO., 629 E. 6th, Hutchinson, Kans.

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ACTUAL
MANU-
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of
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ers—not
a Jobber,
so the Gal-
loway really
is sold from
factory to
farm.



I Will Give You a Real 30 Day Free Trial With the Money in YOUR Pocket

YOU don't have to pay me or any one else a single cent on the price of my spreader before you try it or after you try it, if it doesn't prove itself to be the best made. I am not beginning in the spreader business. I have built spreaders for years. So I know what beginners don't know. I know how to do and build the Galloway Spreader so it can't break and wear out where experimental spreaders are sure to break and wear out. I challenge any other manure spreader seller or manufacturer to put

his spreader alongside of the Galloway in the hardest kind of a test. I don't care what other spreader you try—it won't cost you a cent to try the Galloway at the same time. So it's certainly to your advantage to try the Galloway at no cost to you even if you do put up your money to try any other spreader. If the Galloway doesn't beat any other that you try, all you have to do is return it at my expense and you're not out a penny and you haven't risked a penny.

The ONLY Spreader with MALLEABLE and STEEL for ALL Parts that break and wear out in other spreaders.

Galloway Wagon Box Manure Spreader

I make the only 70 bu. spreader with wagon running-gear. Patented. It's something new. Worth \$15 more than any other, and costs \$20 less.

My Price—the Lowest Ever Made on a High-Grade Spreader



The ONLY End-less Apron Force Feed Spreader in the World.

Patented—Worth \$25 on any Spreader. Costs you nothing on the Galloway.

The ONLY Spreader Guaranteed for 25 Years with a \$25,000 Bond Guarantee TO PROTECT YOU

Galloway of Waterloo

Send me a postal and I will send you, absolutely free, my special proposition to you and the Best and Biggest Manure Spreader Book, Free.

WILLIAM GALLOWAY, 389 Jefferson St., Waterloo, Ia.
Prompt delivery to you from Waterloo Factory or transfer points at Kansas City; Minneapolis; Madison, Wis., etc.

Scotch and Scotch Topped Bulls.

(Continued from page 1295)
plenty of bone and scale with good feeding qualities.
Col. Green's stock is not pampered, and they do not carry the flesh to be found in some herds, but these bulls are in thrifty, vigorous condition, and in better shape for service than if they were loaded with flesh.
Nearly all of these bulls are by the herd bull, Imp. Ardathen Mystery (who is a straight Scotch), and eleven of them are out of pure Scotch dams. There are twelve of mixed breeding, carrying Cruickshank, Bates, and Booth blood lines.
Green Dale stock farm is headquarters for herd bulls, with such a large number to select from the purchaser can get just what he wants. Everything will be priced worth the money, and sold on terms to suit the buyer.
Col. Green's ranch is only three miles from Florence, and visitors telephoning him will be called for and returned to the depot.
If you need a herd bull, call or write at once for this class of bulls won't last long at the prices for which they are being sold.

Null's Coming Poland-China Sale.

We want to again call the attention of our readers to the coming sale of Poland-Chinas at Odessa, Mo., on December 4, at which time Geo. W. Null will sell 45 head sired by Meddler, Regulator, Perfection, E. L. Radium, Oxygen, Flying Fox, Carbon, Jennings Top Chief, and Null's Top Chief. The offering consists of twenty-three sows and twenty-two boars. The boars whose get are included in this offering are well-known to the breeders of Poland-Chinas and it is not necessary to say that their sons and daughters are topping some of the best sales this year. Mr. Null, has gone out and purchased the sows bred to these good hogs and is offering their get in this coming sale. As has been stated before these better sows will be sold open in order that the purchaser may breed them to his own boar and turn them again in a bred sow sale this winter.
If you have not already done so send today for a catalog and any other information you may desire with reference to this herd and arrange to attend the sale. You will find something that you will be glad to own and doubtless buy at a price that you can turn them to a liberal profit.

The E. R. Morgan Hereford Sale.

On December 12, Mr. E. R. Morgan, owner of the Capital Bluff Herefords at Blue Rapids, Kans., will sell a choice draft from his herd at public auction. This offering is by far the best that Mr. Morgan has yet made. They are bred right and are good individually. The females are of the big, easy-keeping kind and will be bred to either Onward 18th or Soldier Creek Columbus 4th, both of whom are champions. Eight of the cows have calves at foot by Onward 18th. Nineteen of the 23 bulls in the sale are by Onward 18th, one by Keep On 43d, one by Ten Strike and two by imported Majestic. These are good, low-down beefy fellows with plenty of bone and finish. Mr. Morgan thinks he would be willing to stake the reputation of Onward 18th as a breeder on the appearance of these calves. The entire show herd of 14 head will go into this sale. This includes Soldier Creek Columbus 4th, who was senior champion at the Nebraska State fair; third at the American Royal and second at the Kansas State Fair at Hutchinson this year. This will be the best offering of Herefords that will be led through the sale ring this winter. Ask for a catalogue now.

Young Boars for Sale.

We call attention to the advertisement of Isaac Tyson, of Mound City, Mo., who is offering for sale at private treaty 35 head of spring boars sired by his herd boar, Chief Enterprise. This stuff is growthy, thick-fleshed, and in splendid condition for service. Mr. Tyson wants to clean up these boars quickly and will price them so that anybody who is in need of a boar can buy them.
He has been breeding hogs for several years and has shipped them to many parts of the country and they have given complete satisfaction. If you are in need of a boar it may be well for you to get in communication with him and he will cheerfully give you any information you may desire.

International Galloway Sale Dec. 6.
Prospective buyers of top-notch Galloways will find it to their interest to attend the sale of Galloways to be held in the spacious new steel pavilion.

lion, which is being erected on the International Exposition grounds.

The females in this offering should form the best attraction that has been presented to the public at Chicago or even in this country or Scotland.

Any of these cows or heifers will make a good acquisition for a show herd next season and will add materially in point of merit to any of the best herds of the country.

This auction without question consists of the best bunch of cattle that has ever been presented to the public by any association or individual breeder publicly or privately in Scotland or America, thus it is to be hoped that their excellence and merits will be appreciated.

Remember the date, Friday, December 6, and for further information and catalogue address Chas. Gray, 17 Exchange avenue, Chicago.

Last Call for Hart & Glasgow's Short-horn Sale.

Do not forget that Hart & Glasgow, of Summerfield, Kans., will sell 49 head of Scotch-topped Shorthorns at Pawnee City, Neb., Friday, December 6.

This will be one of the best offerings of the season and lovers of good cattle should not fail to be present. This sale will be a dispersion of Mr. Glasgow's herd, and Mr. Hart is making a fair divide, putting in some of his best stuff which represents some of the best families of the breed.

This is a business lot of cattle and there will be something here for every one.

Look up their advertisement on another page of this issue, and if you have not already done so, write for catalogue and arrange to be present.

The Steel Plow and Its Development.

One of the handsomest booklets that has come to the editorial desk in many a day is that bearing the above title and issued by the John Deere Plow Co. In addition to a brief but handsomely illustrated history of the steel plow there are pictured the native plows in present day use in South America, Egypt, Mexico, Japan, Old France, Channel Islands, Palestine, Philippine Islands, Ceylon, and West Virginia. This booklet is a gem of the printer's art and is full of interesting and valuable matter. As will be seen in their advertisement the John Deere Plow Co. will send this beautiful booklet free to readers of THE KANSAS FARMER who may ask for it.

Honorable James Wilson on the International.

Honorable James Wilson, Secretary of Agriculture, in a recent interview said:

"The International Live-Stock Exposition as an educational factor has carved a niche for itself.

"Producers are confronted with the problem of increased cost of every commodity that they use, greatly enhancing their expenditure.

"Obviously this necessitates rigid economy, and the man who reduces cost of production to a minimum insures maximum profits and his own survival where others fail.

"The International is teaching its valuable lesson to the country at an opportune moment.

"During the period of cheap feed and feed lot extravagance such education was not valued, because its benefits were not realized at the time.

"Under new condition, the man who produces beef, pork, and mutton can not afford the use of inferior machinery in his business.

"Economy requires that he handle the very best types of the most improved breeding; and these lessons can be obtained at the International Live-Stock Exposition, which is acknowledged to be an educational institution of the highest order in its line."

When to Stop Advertising.

An English journal requested a number of the largest advertisers to give their opinions concerning the best time to stop advertising, and the following replies were received:

When the population ceases to multiply and the generation that crowded on after you and never heard of you stop coming on.

When you have convinced everybody whose life will touch yours that you have better goods and lower prices than they can get anywhere.

When you stop making fortunes solely through the direct use of this mighty agent.

When you forget the words of the shrewdest and most successful man



A Kerosene Traction Engine

WILL DO FARM WORK

Cheaper and Quicker than Horses

Our Plowing Engine does the work of 18 to 20 horses, and eats nothing when standing idle. It is also suitable for discing, seeding, harvesting, threshing, corn shelling, shredding, grinding, road grading, hauling, etc. Hundreds in successful operation.

THE IDEAL POWER FOR LARGE FARMS

OIL COOLED—FROST PROOF

USES KEROSENE, GASOLINE OR ALCOHOL

Ask for Catalog and full information

HART-PARR CO.

212 Lawler Street Charles City, Iowa

WHEN BUYING A CORN SHELLER.
Insist on Clean Shelling, Thorough Separation, Large Capacity and Lasting Qualities. These are Distinctive Features of

The NEW HERO

2-hole and 4-hole Custom and 2-hole. Farmers' Positive Force-Feed Shellers
They have Chilled Working Parts and other points of strength and convenience. We make Horse Powers, Wood Saws, Huskers, Farm Trucks, Manure Spreaders, etc. We guarantee our Goodhue Wind Mills for five years.

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

Write to-day for Free Catalogue.

WITTE GAS AND ENGINES

All styles and sizes, any fuel. The most modern gas engine factory in America. Every valve verticle and self seating.

FIVE YEAR BOND GUARANTEE.
Easy starting, noiseless and economical. Quick deliveries, complete equipments. Automatic wipe oilers. Get catalog K.

WITTE IRON WORKS CO., 527 W. 5th St. KANSAS CITY, MO.

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Kansas City Grain Market.

Kansas City, Mo., Nov. 25, 1907. Speculative trade in grain was dull this morning and prices kept within a narrow range most of the day, remaining close to Saturday's final quotations. The Chicago May price fell $\frac{1}{8}$ ¢ to \$1.00 @1.00 $\frac{1}{2}$ ¢, rallied to \$1.01 $\frac{1}{2}$ ¢ @1.01 $\frac{1}{2}$ ¢ and closed at \$1.01 $\frac{1}{2}$ ¢, with a net gain of $\frac{1}{8}$ ¢ @ $\frac{1}{8}$ ¢ for the day. The December future gained $\frac{1}{4}$ ¢, closing at 92 $\frac{1}{4}$ ¢.

In Kansas City, May wheat sold down $\frac{1}{4}$ ¢ to 96 $\frac{1}{4}$ ¢ @96 $\frac{1}{4}$ ¢, remained inactive around 96 $\frac{1}{4}$ ¢ for a time, then advanced to 97 $\frac{1}{4}$ ¢, and fell back to 96 $\frac{1}{4}$ ¢. There was a second rally to 97 $\frac{1}{4}$ ¢ @97 $\frac{1}{4}$ ¢ in the final dealings, and that was the closing price, $\frac{1}{4}$ ¢ up for the day. The December price closed unchanged at 90 $\frac{1}{4}$ ¢.

Chicago messages reported Armour, Peavey and Rosenbaum buying December and selling May wheat, which seemed to indicate that the December deliveries next week will be taken care of.

There were reports late in the day of 496,000 bushels sold for export. Liverpool cables quoted wheat 1d to

1 $\frac{1}{4}$ d higher early, influenced by advices from America and continued bad crop reports from Russia. The closing quotations were only $\frac{1}{4}$ d higher. World's shipments were only 8 $\frac{1}{2}$ million bushels, 1 $\frac{1}{4}$ million bushels smaller than in the preceding week and 2 $\frac{1}{2}$ million bushels less than a year ago. The United States and Canada shipped nearly 6 million bushels of the total, while the output from Russia and the Danubian was little more than a billion bushels, compared with 5 $\frac{1}{2}$ million bushels a year ago. Wheat prices were quoted $\frac{1}{4}$ ¢ up in Berlin, $\frac{1}{4}$ ¢ higher in Budapest. The amount of wheat and flour on passage decreased 2,952,000 bushels last week.

Northwest wheat receipts were 957 cars, 339 more than last Monday and 250 more than a year ago. The day's receipts at Winnipeg were 885 cars, against 173 cars a year ago. Winter wheat receipts were moderate. Kansas City received 117 cars, against 91 last Monday and 141 a year ago. Kansas City stocks decreased 155,600 bushels last week.

The visible supply statement showed a decrease of 204,000 bushels, compared with an increase of 2 $\frac{1}{4}$ million bushels a year ago.

The day's exports were 662,000 bushels of wheat and 18,000 packages of flour.

Speculative corn prices made new low records on this decline in the early trading, though most of the loss was later regained. May corn in Chicago

down 1 1/4 @ 1 1/2 c. to 5 1/4 c. and the
ber price fell 1 1/2 c. to 50 c. About
the loss was recovered.
y corn in Kansas City sold down
to 47 1/2 c.
Chicago received 168 cars of corn.
st 177 a year ago. The estimate
uesday is 172 cars. Stocks at mar-
centers are small and the demand
ld to be improving. English corn
closed 1/2 d. to 3/4 d. lower.
e visible supply decreased 859,000
els. A year ago there was in in-
se of 120,000 bushels. The day's ex-
were 217,000 bushels.
range of prices of grain and pro-
in Chicago today were as fol-

Open.	High.	Low.	Closed to-day.	Closed Sat.
WHEAT.				
90 3/4-91	92 3/4-93	90 3/4	92 3/4	91 3/4
100 3/4-92	101 3/4-102	100 3/4	101 3/4	100 3/4
96 1/4-96	96 3/4-97	96 1/4	96 3/4	96
CORN.				
51 3/4-52	51 3/4-52	50 3/4	51 3/4	52 3/4
54 3/4-55 1/4	54 3/4-55 1/4	53 3/4	54 3/4	54 3/4
53 3/4-54	53 3/4-54	52 3/4	53 3/4	54

KANSAS City Live-Stock Market.
Kansas City Stock Yards, Nov. 25, '07.
Little receipts were checked after
day of last week, and the general
et closed the week 15 to 25 cents
er than the first days. There is an
supply today at Chicago, and the
ng is weak, although run here is
12,000 head, several thousand less
on last Monday. Conditions are
nervous in the live stock markets,
more settled than a week ago, and
ything was cleaned up better last
than any time since the financial
bles began. Country buyers were
erous last week, and prices on
ers and feeders ranged from
y to a quarter higher by the end
the week, and this class is strong
y. Top price for fed steers last
k was \$5.80 on Thursday, but the
up to noon today sold at \$5.30.
good steers sell around \$5.00, short
steers \$4.25 to \$5.00, grass westerns
to \$4.25, cows \$2.25 to \$4.00, hei-
\$3.00 to \$5.00, bulls \$2.15 to \$3.75.
veals \$6.75, heavy calves \$3.50 to
6. Killing calves advanced 25 cents
week, packers sorting out suitable
from heavy grades more freely
usual. There is a tendency to
ket stuff on feed at once, because of
unfavorable turn of the market in
last month and its discouragement
feeders. On the other hand a good
y cattle are being bought for the
try, 375 car loads out last week,
the ground that present prices,
\$5 to \$3.75 for stockers, and \$3.35 to
for bulk of feeders, are on a basis
mean a profit to the buyer.
The most sensational break of the
r in hog prices occurred last week,
market making a net loss of \$1.07
cwt, and closing Saturday \$2.50 per
lower than 45 days ago. Buyers
re not satisfied yet, however, and
k off 10 to 20 cents today on a run
6,000 head, leaving the top at \$4.00.
k of sales \$3.75 to \$3.95. Pigs
pped 35 to 50 cents today, with the
appearance of the Thanksgiving de-
nd, and heavy weights took an im-
ssive lead today, which they will
ly hold for some time.
The character of the sheep and lamb
oly is changing, fed stock not much
re prominent in the supply than a
k ago. Range stuff is scarce, and
l rapidly disappear from now on.
kets advanced a little last week,
ely steady today, run 9,000 head,
lams at \$6.25, fair to good lambs
to \$6.10, feeding lambs \$4.90 to
20, fed wethers \$4.80, ewes \$4.35,
lings \$5.20, feeding sheep \$3.25 to
3.
J. A. RICKART.

PURE-BRED STOCK SALES.
Shorthorns.
December 6—G. F. Hart, Summersfield, Kans.
February 17—C. M. Garver, Abilene, Kans.
March 19—J. F. Stodder and others, Burden, Kan-
sale at Wichita, Kans.
March 17—T. K. Tomson & Sons, Dover, Kans., at
Kansas City, Mo.
Herefords.
December 12—Capitol Bluff Herefords, E. R.
gan, Blue Rapids, Kans.
March 20—A. Johnson and others, Clearwater, Kan-
sale at Wichita, Kans.
February 26—U. A. Stannard and others, Kan-
City, Mo.
Holstein-Friesians.
February 11—Henry C. Gillisman, Sta. B, Omaha,
Nebr.
Poland-Chinas.
December 30—Martin Lents, Atherton, Mo.
December 4—Geo. Null, Odessa, Mo.
December 13—T. M. Chambers, Oswego, Kans.
December 17—B. H. Colvert & Co., Tishomingo, I.
at Wichita, Kans.
January 10—Wm. Wingate, Trenton, Mo.
January 13—A. B. Garrison, Summersfield, Kans.
January 18—M. Bradford & Son, Kossauale, Mo.
January 18—F. F. Oerly, Oregon, Mo.
January 18—W. A. Davidson, Simpson, Kans.
February 18—Thos. Collins, Lincoln, Kans., at Glasco, Kans.
January 28—H. B. Walters, Wayne, Kans.
January 29—Dr. B. P. Smith and H. J. Reickley,
Grovevale, Kans.
January 30—H. K. Faulkner, Jamesport, Mo.
January 31—A. P. Schmitz, Alma, Kans.
February 1—Howard I. Reed, Frankfort, Kans.
February 6—C. E. Iennau, New Hampton, Mo.
February 6—R. E. Maupin, Pattonsburg, Mo.
February 7—F. D. Fulkerson, Brimmon, Mo.
February 8—W. T. Hammond, Portia, Kans., at
Wichita, Kans.
February 13—Charles Plicher, Glasco, Kans.
February 13—A. P. Wright, Valley Center, Kans.
February 14—H. W. Phelps, Scottsville, Kans.
February 15—Logan & Gregory, Beloit, Kans.
February 17—C. M. Garver, Abilene, Kans.
Feb. 20—E. E. Axline and Knapp Bros., Inde-
pendence, Mo.
February 21—B. F. Ishmael, Laredo, Mo.
Feb. 23—L. D. Arnold, Abilene, Kans.
Feb. 24—W. H. Bullen, Belleville, Kans.
Mar. 12—W. C. Topfiff, Esbon, Kans.
Duroc-Jerseys.
December 20—F. L. Bailey, Bonner Springs (Dis-
tinction).
January 14—Ward Bros., Republic, Kans.
January 20—Shepherd & Mullins, Abilene, Kans.
January 21—Jas. L. Cook, Marysville, Kans.
January 22—Geo. Kerr, Sabetha, Kans.
Jan. 22—F. H. Erickson, Olathe, Kans.
January 23—J. B. Davis, Fairview, Kans.
Jan. 23—Samuelson Bros., Bala, Kans., bred sow
and pig.
January 24—J. H. Meltenbruch, Morrill, Kans.
January 27—J. E. Jones, Clyde, Kans.
January 28—Grant Chapin, Green, Kans., at the
Cultural College, Manhattan, Kans.
January 29—J. O. Hunt, Marysville, Kans.
February 4—B. M. Welch, Waterville, Kans.

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References—Those for whom I have sold.

February 5—C. G. Steele, Barnes, Kans.
February 6—J. F. Chandler, Frankfort, Kans.
February 10—Pearl H. Padgett, Beloit, Kans.
February 11—L. D. Pagett & Segrist, Beloit, Kans.
February 11—Thos. Watkinson, Blaine, Kans.
February 11—John M. Morrison, College View,
Nebr.
February 12—Kirkpatrick & Wilson, Lincoln, Neb.
Feb. 14—John W. Taylor & Roy C. Williamson,
Edwardsville, Kans. Combination brood sow sale.
February 15—J. B. Lynch, Independence, Mo.
February 18—John W. Jones & Son, Concordia,
Kans., bred sow sale.
February 19—W. C. Whitney, Agra, Kans.
Feb. 19—T. P. Teagarden, Wayne, Kans.
February 20—J. L. Williams, Bellare, Kans., at
Smith Center, Kans.
February 21—L. P. Dodd, Esbon, Kans.
February 22—Geo. Herr, Sabetha, Kans.
February 22—E. M. Myers, Burr Oak, Kans.
February 23—J. B. Davis, Fairview, Kans.
March 3—R. E. Mather, Centralia, Kans.
March 4—Burt Finch, Prairie View, Kans., at
Norton, Kans.
March 27—D. O. Bancroft, Downs, Kans.
March 28—R. G. Solenbarger, Woodston, Kans.
O. I. C.
December 17—A. T. Garth, Larned, Kans.
January 8—John Cramer, Beatrice, Neb.
February 1—Matthews Bros., Grant City, Mo.
February 18—John Cramer, Beatrice, Neb.

Percherons.
December 3—Percheron and other draft horses,
Watson Wood Bros. & Kelly, Lincoln, Neb.
Feb. 22—D. E. Reber, Morrill, Kans.
Feb. 18—J. W. and J. C. Robison, Towanda, Kan-
sas, sale at Wichita, Kans.
February 23—R. J. Ream & Co., Kansas City, Mo.
March 12—R. J. Ream & Co., Denver, Col.

Jacks and Jennets.
March 3—Limestone Valley Jacks and Jennets
L. M. Monsees & Sons Smithton, Mo.

Combination Sales.
December 6—Galloway Assn., Kansas City.
January 8, 9, 10—Breeders sale of Registered Draft
horses and trotters at Bloomington, Ill.; C. W. Hart,
Manager, Arrowsmith, Ill.
February 12, 13, 14—Combination Sale Improved
Stock Breeders Association of the Wheat Belt, Chas.
M. Johnson, Secretary, Caldwell, Kans.

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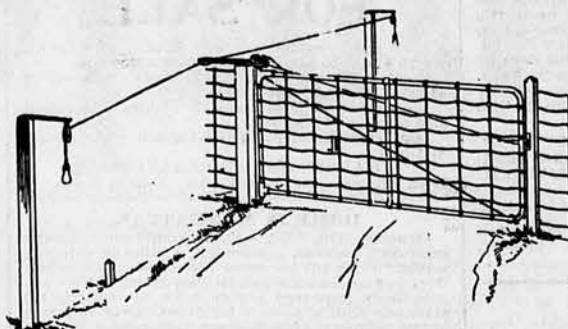
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Ungles Hoggette is the best remedy for all pig ailments I ever used—John Blain.
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23 Sows—22 Boars

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2 herd bulls of high character. One a Queen Mother and one a Trojon
Erica. This stuff will be priced right as I want to dispose of them
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R. S. WILLIAMS, ... Liberty, Mo.

I am also offering for sale 1 imported Percheron stallion, 7 years
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FOR SALE—Holstein-Friesian bull calf, 10 months old, from A. R. O. dam; good individual of splendid disposition. G. V. Pontious, R. 2, Rantoul, Kans.

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SWINE.

FOR SALE—2 Poland-China boar pigs of early April farrow, sired by the World's champion, Meddler 99999, dam by Chief Perfection 2d 42579. These pigs are good individuals, heavy boned, well marked and good size for age. For particulars and price address T. B. Pitcher & Son, Route 4, Topeka, Kans., independent phone 6478.

FOR SALE—Duroc-Jersey pigs, both sexes, March and April farrow, by Financier 46301. Raised for usefulness. Farmers' prices; pedigree furnished. Also R. I. Red cockerels. Ben Warren, Maple Hill, Kans.

FOR QUICK SALE—Twelve Poland-China boars of March and April farrow, the best of breeding and choice individuals: large boned, strong, active pigs, grown on alfalfa pasture. Also a few gilts of April farrow. These pigs were sired by U. S. Meddler and a son of The Picket by Corcorator out of Chief Perfection 2d and other good dams. W. L. Beld, Route 4, North Topeka, Kans. Independent telephone 8892.

TWO HERD BOARS FOR SALE—Joe Cannon by Red Raven and out of Faust's Pride, a Kant-Be-Beat sow, and Colossal by Golden Rule, the boar at the head of Watt & Faust herd. Grant Chaplin, Green, Kans.

FOR big boned, registered Berkshires at \$10, and splendid well-marked herd boar cheap, write Chas. Morrison, Osage City, Kans.

FOR SALE—The great Poland-China herd boar Duke Ellington 17859, sired by Corcorator, dam by Chief Son 2d. Farrowed April 27, 1906. A splendid individual, no better breeding anywhere. Price \$75. Choice May boar by him at \$20; big bargains in both. J. H. Brown, Bassettville, Kans.

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PUPS—High-class Collies ready to ship. The farmer's kind of dogs; from \$5 up; also a few female 8 months old. A. P. Chacey, N. Topeka, Kans.

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To buy a poultry plant and butcher business combined. 8-room house, large barn with basement and shed 2-story concrete poultry house for 400 laying hens, story and half incubator and brooder house, slaughter-house for beefs, with meat-market attached, building for killing calves and hogs, another for rendering lard and making sausage, smoke-house for 100 hogs. All buildings substantially built of concrete or grout. Windmill with water piped to feed-lots; Monarch scales for weighing cattle, hogs, hay, corn, etc. Bone cutter, cleaver cutter, feed grinder, sausage mills, kettles, ropes and pulleys, buggy, wagon double harness, lots of lumber and feed, 7 corals in feed lots for cattle and hogs. Good railroad connections, 14 miles to Lawrence, 21 to Leavenworth, 40 to Topeka, 28 to Kansas City. Natural gas in residence, poultry-house, brooder house, and other buildings, 1000 feet gas pipe in all. Five acres of land and young peach orchard goes with this place. More land can be bought if desired. All in perfect running order and now doing a good paying business. Owner has other business to attend to. \$7,000 takes it, half cash or will take part in good real estate. Telephone connection, local and long distance. For fuller description see Poultry Dept. KANSAS FARMER, Nov. 21 issue. Come and see the place or write R. B. Wilkinson, Tonganoxie, Kans.

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FOR SALE—Stationary engine and boiler, 10 horse power. Frank Chamberlain, Keats, Kans.

WANTED—Alfalfa, clover, timothy, English blue grass and other grass seeds, also pop-corn. If any to offer, please correspond with us. The Barteldes Seed Co., Lawrence, Kans.

OLD ORCHARD rejuvenated (made young), production thrived in quality and quantity. Wonderful discovery. Stamp for particulars, etc. T. T. Higby, Sedro, Wash.

WANTED—By experienced agricultural college graduate, a position as manager of an up-to-date dairy farm. Preferably in Kansas or Colorado. E. E. Greenough, Manhattan, Kans.

RURAL BOOKS—Send for descriptive list of books for farmers, gardeners, florists, architects, stock raisers, fruit growers, artisans, housekeepers and sportsmen. Sent free. Address The Kansas Farmer Company, Topeka, Kans.

WANTED—A second-hand traction engine, not less than 16 horse power. Dr. W. D. Barker, Chanute, Kans.

Stray List

Week Ending November 14.

Kearny County—F. L. Pierce, Clerk. **MARES**—Taken up, October 25, 1907, by S. P. Kemper, in Hibbard tp. (P. O., Lakin), three sorrel mares, three bay mares, one black mare and one brown mare; all branded on left shoulder. Appraised value \$420.

Week Ending November 21.

Osborne County—Geo. F. Schultze, Clerk. **HEIFER**—Taken up by N. G. Roth, in Jackson tp. (P. O., Luray), one 18-month-old heifer, medium size, red, white face, horns, branded J. on right hip; valued at \$12.

Week ending November 28.

Greenwood County—W. H. Bonnett, Clerk. **STEER**—Taken up by C. W. Boone, in Pleasant Grove tp., November 19, 1907, one 4-year-old red steer; crop off each ear and branded V. V. on left hip.

Geary County—W. B. Spurlock, Clerk. **STEER**—Taken up November 13, 1907, by C. W. Spurlock (P. O. Junction City), one dark red yearling steer; brand indistinct on left hip; value \$16.

THE ROYAL HOTEL, Lincoln, Neb. Modern, fire proof, only American Plan Hotel in the city. Centrally located, 15th and O sts.

HENRY W. ROBY, M. D.

SURGEON. 780 Kansas Avenue, Topeka, Kansas.

REAL ESTATE

REAL ESTATE

SPECIAL

in wild meadow. This is the last of a large ranch. \$25.00 per acre.

Ind. Telephone 1847. L. E. ANDERSON & CO, Topeka, Kans.

Six quarter sections 20 miles from Topeka, 1 mile from good railroad town. All It can be had for

Marshall County Farms

160 acres 4½ miles from shipping point, 8 miles from county seat; fine 8-room house, new; good outbuildings; 125 acres in cultivation, 30 acres pasture; some timber, large never-falling spring, wells, windmill, scales, tanks, etc.; good orchard. Owner has farm arranged for feeding cattle and hogs. First-class soil. A No. 1 stock farm. Price \$75 per acre.

F. NEWSON, Blue Rapids, Kansas.

FOR EXCHANGE.

1060 acres improved farm land located about 16 miles southwest of Oklahoma City. This tract is divided into four farms with a good orchard on each place. Will trade each farm separate or all together. Want Missouri or Kansas income property. Mansfield, Garnett, Kans.

FOR SALE—Feed-mill and grain store in southern Vermont. Handy to standard gauge railway station. Has large trade in both selling grain and custom work. Up-to-date mill in machinery and building itself; water power. The only mill of its kind within 10 miles, and sold only for the reason of ill health. Can furnish house if desired. Price reasonable for cash. H. C. Franklin, Townshend, Vt.

LYON COUNTY FARM—80 acres, 70 cultivated, 10 pasture, 25 alfalfa, 6-room house, good barn, orchard and water, school across the road, 3 miles to station, 14 to Emporia. Price \$5,300. Write for list of farms and ranches. Hurley & Jennings, Emporia, Kans.

\$250 WILL BUY 80 acres; Christian County, Southeast Missouri. Perfect title; terms \$10 monthly. W. M. B. Williams, Mt. Vernon, Ill.

FOR SALE—Fruit lands, farms and timber. Stock do well in this section. German truck farmers can make big money. I can loan your money on good security. Campbell, P. O. Box 653, Van Buren, Ark.

This tract of land contains 4,836 acres, and lays nine miles north of Dodge City, in the north part of Ford, and the south part of Hodgeman Counties. It is all fenced and cross-fenced; two good sets of improvements, consisting of dwellings, horse barns, cattle-sheds, granaries, etc., etc.; 175 acres now in wheat and rye; 45 acres ready for spring crop; the remainder of the land all in natural grass. Three school houses adjacent to this land. This ranch is watered by several of the finest springs to be found in Western Kansas. Sawlog Creek runs through the land, and has in it pools of clear standing water the year round. All of this ranch is the very best of wheat land, and about 500 acres is splendid alfalfa land. We will sell this entire tract for \$10 per acre and carry \$4 per acre of the purchase price five years at 6 per cent, or will sell it in quarters, halves or sections, at a reasonable price and on same terms. This is one of the finest tracts of land in this part of the state, being surrounded by well improved wheat and alfalfa farms. Your last chance to buy this tract of land.

FRIZELL & ELY, Larned, Kans.

Farm Bargains

in east Kansas. Write for new land list.

MANSFIELD BROS., Garnett, Kans.

Farm Bargains Near Topeka

80 acres, fair improvements; \$3,000.
166 acres, good improvements; \$45 per acre.
160 acres, good improvements; \$45 per acre.
288 acres, fair improvements; \$35 per acre.
170 acres, creek bottom, unimproved; \$50 per acre.
160 acres, Kaw bottom, highly improved; \$75 per a.
Large List. Well Selected. Call or write.

GILLET & GILLET, 104 West 5th, TOPEKA, KANS.



R U LOOKING

for a bargain? I have a large list of them direct from the owners in Kansas, Missouri, Oklahoma, Nebraska, Texas, Colorado, New and Old Mexico and you will find them good as represented: 422 farms, 75 ranches, 63 stores of merchandise, 20 mills and elevators, 32 hotels, 12 lumber yards, 6 telephone plants, 20 restaurants, 16 liverys, 4 electric light and power plants, 6 saw mills and lumber camps, 45 houses and lots for sale. When you are in the market for any of these, I would like to tell you of them. Some will exchange.

FRANK GEE, Lawrence, Kans.

For Sale.

One of the best improved 160-acre farms in Nemaha County. Good 7-room house; phone; R. F. D. at door; fine arched cave 10x16, cement floor; summer kitchen at door; large new barn 54x54, room for 75 tons of hay, 2,000 bushels of grain, 12 head of horses, 11 head of cows on cement floor, 30 head of calves; good new combined grain, hay and carriage house—will hold 2,000 bushels of wheat and two buggies, floored above for seed corn, etc.; two new chicken houses 10x24, one board and one cement floor; coal and cob house; two hog houses—will hold 20 sows; good sheds for four car-loads of cattle or hogs; new double crib 24x30x12 feet high, one side tight, good driveway; wind-mill, tank and never failing wells; spring water in lots and pasture; nice sized apple and peach orchards, strawberries, blackberries, raspberries and all kinds of small fruit; good groves of catalpa and mulberry; 40 acres in corn, 15 acres growing wheat, 30 acres hog pasture, 15 acres alfalfa, balance well set to timothy and clover; all good plow land. Good level road to town. A bargain if taken soon. For price and particulars write

C. H. HAY,

Baileyville, Kansas

FINE STOCK FARM FOR SALE

445 acres at a bargain on easy terms. Write full description. D. P. Norton, Dunlap, Kans.

MISSOURI FARMS FOR SALE

Everman has a farm for every man. Write for description and price list.

John W. Everman, Gallatin, Mo.

WASHINGTON STATE.

Little Fruit Farms—\$5 down and \$5 per month acre in famous Yakima valley—cultivated—irrigated—planted and cared for. Send today for book. Oldest firm in state. Calhoun, Denny & Ewing, Dept. X, Seattle, U. S. A.

McPHERSON COUNTY FARM BARGAIN.

160 acres good wheat, corn, oats, and alfalfa land, 1½ mile of good town, 150 acres in cultivation, 100-acre orchard and timber, good 5-room house, barn, granary, cattle-shed, hog-shed, etc., well of never-failing water and windmill. A bargain at only \$7,000. Carry half this amount at 6 per cent.

Bremyer & Henderson, McPherson, Kans.

Norton County Alfalfa and Corn Farms.

We sell Norton County lands where wheat, corn, alfalfa grow in abundance. Write us for list of farms, and full particulars.

LOWE & BOWERS, Almena, Kans.

A Fine Kaw Bottom Farm

FOR SALE—A fine Kaw bottom farm with good improvements, about 150 acres of alfalfa, only five miles from Topeka, for \$90 per acre.

W. M. FORBES & CO. 107 West 7th St., Topeka, Kans.

A Cheap Wheat Farm in Stanton Co., Kans.

160 acres level as a floor. Deep, black soil, ready for the plow. In German settlement south part of the county. Price only \$800.

ALBERT E. KING, McPherson, Kans.

LEGAL.

NOTICE.

Notice is hereby given that we, the undersigned commissioners thereunto duly appointed by the Honorable A. W. Dana, Judge of the District Court of Shawnee County, Kansas, will on the 16th day of December, 1907, proceed to lay off according to law, for The Topeka-Southwestern Railway Company, along its route as now located from point on said line, to wit: 55.1 feet north of the southeast corner of the southwest quarter of section two (2) in township twelve (12), south of range fifteen (15), east of the sixth p. m. to the west line of Shawnee County, Kansas, all lands, necessary for side-tracks, depots, work-shops, water stations, material for construction, except timber the right-of-way over adjacent land sufficient to enable said Company to construct and repair its road and stations and a right to conduct water by aqueducts and the right of making proper drains and appraise the value of that portion of any quarter section of other lot of land so taken and assess the damages thereon, which said land desired by said railway company are particularly shown by the map and profile of said Company's line of railroad in said county, filed in the office of the county clerk of said county. We will commence to lay off said route as aforesaid on the line of said Company's railroad, as located at said point on its line, to wit: 55.1 feet north of the southeast corner of the southwest quarter of section two (2), in township twelve (12), south of range fifteen (15), east of the sixth p. m. in Shawnee County, Kansas, on said day and will adjourn from time to time until our labors in this behalf are completed. Dated the 12th day of November, A. D. 1907.

C. E. JEWELL, ED. BUCKMAN, Wm. HENDERSON, Commissioners