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THE KANALA PLEME

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TOPEKA, KANSAS, SEPTEMBER 26, 1907

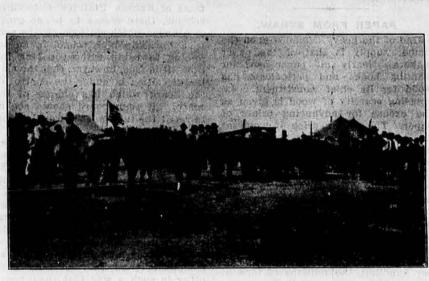
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THE AGE OF GREAT DISCOVERIES.

And Horas Call has the about

The great discoveries have not all been made. On learning of the various epoch marking discoveries which have benefited the human race, it should not be assumed that the world has come to an end of this kind of development. For three quarters of a century thinkers, and inventers, have been busied with discoveries as to electricity, although the foundation facts on which their developments depend were worked out and plainmodern scientist. If he has been in error, he welcomes above all things a correction.

Among the tenants thought to have been well established was that of the indestructability of matter. Changes of state of matter through the solid, liquid, and gaseous forms, and their dissolution, changes of properties through combinations, have long been recognized, but it has been a cardinal doctrine that matter is neither created nor destroyed by any agency or by any process



Cattle-judging at the Hutchinson State Fair last week-A snap shot by the Kansas Farmer man.

ly stated during the earlier years of the last century.

True, the physical sciences have made great advances in the last 100 years. Discoveries have been numerous; verifications and discoveries have been rigorous; systems have been elaborated, and theories have been put forth with great confidence in their correctness. An indirect benefit from all this has been the development of investigators and thinkers trained to exactness and to fidelity to the truth. Prejudice, tradition, doctrine, and dogma have no place in the mind of the

observable by man. That heat, light, and electricity are developed during observable changes in the combinations of matter—as in the burning of fuel, and in various other chemical reactions, and that these manifestations may be made to a considerable extent interchangable with each other is not strange to the well informed person of the recent past. Effects of these imponderables upon matter have been common knowledge. ""

But, now comes radium, a newly discovered state of matter-may be an element-and behaves in such a manner that scientists seem to conclude

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KANSAS FARMER.

Established in 1868.

Published every Thursday by THE KANSAS FARMER COMPANY (Incorporated, January 1906). Topeka, Kansas

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that it is gradually and constantly, though very slowly being destroyed as matter, and is so changing into energy. And is all matter thus changing to energy, and flying away, as light flies, into the unmeasurable—the infinite—depths of space? The amount of energy into which a small particle of matter thus seems capable of resolving is great in comparison with the amount of matter destroyed,

And is there ever, has there ever been, anywhere in all the realms of space and time a reassembling of this energy in the form of matter? Moses "In the beginning God creatwrote: ed the heavens and the earth." seems to be about as far back as man has ever been able to get. In formulating this statement, Moses had the advantage of "all the learning of the Egyptians," learning of which only fragments have come down to modern times. We may conceive that energy, antedating matter, transformed into matter, and, under the forces which we find associated with matter wherever observed throughout so much of the universe as we are able to observe, changed to forms as we know them, still works changes from age to age, from year to year, from day to day, from moment to moment, but whether matter was thus created by and from energy we can only guess. It is, however, more than a guess that matter transforms to energy and its eventual disappearance as matter is a theme that is strongly hinted by thoughtful writers.

But what has all this to do with practical affairs?

True, radium has been obtained in but minute quantities. Radial translation of substances, other than radium, into energy is so slow as to be inappreciable. It may be remembered, however, that when Michael Farraday discovered the possibility of the production of the electric current by moving a closed wire circuit in the vicinity of a magnetic pole the current produced was so inappreciable that it could be detected only by the use of the most sensitive apparatus. But now this method is used to produce currents that drive ponderous railroad trains. The day of small beginnings in knowledge are not to be despised.

Possibly it is the infant in its mother's arms, possibly the little child just starting to school, possibly the young man or woman entering college, none can tell who shall discover a method

of hastening the radial transumtation of matter into energy to such an extent as will render obsolete all other sources of power, heat, light, and electricity; into energy which will do the work of the world so much better than it was ever done by animal power, by water power, or by heat power converted into steam, that the generation using the energy from the new source will look with comparison upon the record of the crudity and consequent hardships endured by their ancestors during the opening years of the twentieth century.

Probably the human race is but at the beginning of the era of great discoveries and of their application to the benefit of mankind.

KANSAS GETS THE 2-CENT PAS-SENGER RATE.

It is now reported that the presidents and the legal advisers of the several railroads which do business in Kansas have decided to adopt in this State the two-cent passenger rate ordered by the railroad commissioners, the same to be abandoned should the courts not uphold the laws of Nebraska and Missouri establishing the twocent rate for those States.

The wisdom of this course on the part of the railroad officials is unquestionable. Had Kansas people been forced to continue paying a higher rate while their immediate neighbors enjoy the two-cent rate, there would have been created in this State a dangerous enmity to the management of the common carriers, which would in the near future have become manifest in drastic legislation or in violence to the properties of railroad corporations.

PAPER FROM STRAW.

One of the heavy demands upon the timber supply is that of the paper makers. Nearly all paper used for printing books and periodicals, has wood for its chief constituent. Increasing scarcity of wood is given as the excuse for advancing prices of paper. The selling price of paper at the mill is now about 18 per cent higher than a year ago for the grade of paper on which THE KANSAS FARMER is printed. It is now proposed to substitute straw for wood in papermaking. The use of straw for this purpose is old, but the product has been a coarse wrapping paper. But the material of which straw is composed is almost identical in composition with wood. Doubtless, with proper handling, the millions of tons of straw which are practically waste material in the wheat belt may be made into white and well-finished print paper, having, possibly, more strength than that made from wood.

One of the essentials for the production of clear, white paper is clean water and plenty of it. In the great valleys of Kansas, this is abundant in the underflow and is readily obtained.

Let the paper-mills be established in

MUST COMPETE WITH THE KAN-SAS FLOUR.

According to the Elevator and Grain Trade, of Minneapolis, Minnesota, the millers of the Northwest have a new source of trouble in the propensity of producers or dealers to mix Durum, or Macaroni, wheat with the ordinary wheat of the region. The Elevator and Grain Trade quotes a local paper at Wells, Minnesota as advising farmers to "cut it out until our country gets so anyone can't raise anything

else." "But." continues the Elevator and Grain Trade: "The farmer probably will not take this advice. He will raise both kinds, because the Durum yields well, and the spring wheat pays; and he will mix the Durum with the Fife or bluestem to fool the elevator man, and call him a robber because under the rules, his mixture will be graded Durum and be subject to a heavy discount, which, from now on promises to become year after year a greater one. The northwest is raising now more Durum than the country can consume in making Macaroni and other pastes, or find a market for; and the English millers, our best cus-

tomers, will not take it, excepting a few who use it in 'very small doses,' as a correspondent of Milling, Liverpool, says. 'To the miller, Durum is objectionable, being of a hard, flinty nature and absorbing a large amount of power in grinding; the flour has a yellow tinge that is deemed 'most objectionable;' while the gluten, the strong feature of the flour, for which it gets what credit it has, is by the same authority, declared to be 'doubtful,' sometimes making a 'stringy dough of little promise for bread mak-

"So, at their best, the Durum wheats are now looked upon with more or less suspicion at home and abroad; and if the mixing the Wells miller complained of shall become general, it will certainly reduce the selling value of spring wheat everywhere and of the spring wheat flour on our eastern markets where it meets the hard Kansas wheat flour, which has not yet been contaminated with Durum."

So, the Kansas wheat flour with its excellence is what gives our Northern brethern the nightmare.

HIGH SCHOOL TUITION.

EDITOR KANSAS FARMER: -We live in Sumner County and are no doubt entitled to the benefits of the county high school, but in the adjoining township there is a township high school. Can we enter this township high school without the payment of tuition? I understood that there was some legislation last session which has a bearing on this case. Will you please inform me along this line?

Sumner County. So far as appears from a somewhat minute examination of the complicated mass of Kansas Statutes concerning schools, there seems to be no provision under which children can be sent to a township high school in an adjoining township without paying tuition. It is true, however, that the matter of tuition is under the control of the board which has charge of the school. If such board should see fit to remit the tuition, that would probably end the matter.

The editor is not prepared to say positively that there is not, concealed, somewhere in the intricacies of the many laws enacted concerning schools in Kansas, a provision such as this correspondent has heard of. It may be worth while to run down this understanding and ascertain the foundation for it.

The school laws of Kansas are so complicated and they over-lap each other in such a way that their provisions are obscure to such a degree that the ordinary citizen can not be certain of their meaning.

A great benefit would be conferred on the State, if some competent person would draft in simple form a set of school laws containing the needed provisions well classified, plainly stated without repetitions or contradictions. The legislature ought to be exceedingly willing to pass such laws and repeal all of the complicated enactments now in the books.

Congressman Wm. W. Crocks, of Long Island, N. Y., who introduced a bill in Congress directing the display of the stars and stripes on all postoffices, is pleased at the advanced ground taken by Kansas in enacting a law that the flag be displayed on all school-houses.

The increasing scarcity of timber adds interest to the announcement of the engineers of the Pennsylvania Railroad that the experiments in the use of steel ties will be discontinued for the reason that such ties have proven unsatisfactory. Nothing but wood seems, adapted to the peculiar and severe demands made upon railroad ties. The efforts of the future will be directed to the production and the protection of timber suitable for ties and to prolonging the life of the tie by chemical treatment and by other

"Modern Training in Horticulture," is the title of a booklet issued by the Massachusetts Agricultural College. This is an announcement of a special

school in horticulture under the lead ership of Prof. F. A. Waugh, a Kansas man and graduate of the Kansas Agricultural College. Prof. F. C. Sears, another Kansas man is professor of pomology. No doubt this school will do its work with a thor oughness that will mark an era in horticultural instruction in America

THE INTER-STATE FAIR AND EX. POSITION.

As we go to press word comes that the Inter-State Fair and Exposition at Elm Ridge, Kansas City starts off in fine shape. There is a bewildering array of exhibits and attractions of various kinds, the largest number of race horses ever brought together in the West, and a fine display of live stock. This is dairy week and no beef cattle are shown until next week There are more than 100 dairy cattle now on the grounds, about an equal number of hogs, a good exhibit of sheep and poultry, a whole tent full of shetland ponies, and a large number of carriage and saddle horses.

Next week will see more than 100 draft horses and about 300 beef cattle besides the fat stock. The crowd on the opening day was a good one though the Fair had to compete with one of the largest circuses in the United States.

Fine weather, numerous and attractive exhibits, beautiful grounds, and large crowds of people, seem to make the success of the Inter-State sure.

THE KANSAS STATE FAIR.

At Hutchinson, Kans., during the week beginning September 16, the State Fair Association held its most successful exposition. For several years this association has been hold ing fairs, each of which was more or less sucessful, but this year they at tained their greatest success.

A number of new buildings, and other improvements have been added to the grounds since last year, and the grand stand almost doubled in capacity. The weather was perfect during the entire week and the people came in crowds that were larger than ever-

In the agricultural department the showing was not nearly so large a usual. Not because there was not abundance of material, but because no one seemed to be responsible for its collection and exhibition. Then were no county or other large exhibits Those on display were small and made by individuals, though the quality was excellent. It was noted that the winner of first prizes on cantaloups celery, and tomatoes, and secon prize on corn, is a graduate of the Kansas State Agricultural College.

In horticulture the display was but scant as is true at all of the western fairs this year. A very interesting horticultural exhibit was made by the Agricultural College and this, with the very handsome display made by the local First National bank, of congrown by boys and girls in its com growing contest, made the most at tractive exhibits in this department

One quarter of the agricultural had was occupied by the apiary exhibit made by the members of the Kansas Bee-Keepers Association. This wa the largest ever made in the State.

The poultry exhibit was not ver strong, though the quality was gent rally good. About 750 birds were of exhibition, including a large and varied show of wild birds.

The State Agricultural College again showed the milking machine in op tion, and this is a never ceasing won der which attracted large crowd daily. Three hand separator exhibits completed the showing in this build

ing. exhibits of agricultural may chinery were both numerous and large. In fact, Hutchinson has come to be one of the great show places for this class of exhibits. It is now see ond only to the Nebraska State Fall in this respect; everything from the giant thrashing machine to the ting gasoline engine seemed to be here. was a good show and alone was worth many times the price of admission.

In live stock, Hutchinson has ways been strong and never more than this year. From the magnificent stud of Percherons shown by J. W. & C. Robison in their own barn to the two Hampshire pigs the show was of high quality. The cattle exhibit was especially strong in numbers with the Shorthorns as the most numerous though the writer has never seen so large an exhibit of either Aberdeen-Angus or Galloways at this fair. T. K. Tomson & Sons showed here with their prize-winning Shorthorns covered with freshly won laurels at the Iowa and Nebraska State fairs and G. W. Lindsey with his prize-winning Galloways from the same fairs. Both of these met herds worthy of contest among the exhibitors who had not "been out" so

The swine show was not a large one as compared with those made at Iowa and Nebraska fairs, but the quality was fine and in the Poland-Chinas, remarkable. There were 182 animals of this breed and every one a good one. The Chester Whites and O. I. C.'s were numerous and included the Humbert and White herd that made the grand circuit. These hogs showed together and numbered 119. There does not seem to be so many Duroc-Jerseys in Central Kansas as in some other parts. At least the entries only numbered 53 head. The Berkshires were represented by 24 animals and the Hampshires by 2. It was a good hog show.

The exhibit of sheep is never large in Kansas, not nearly so large as it should be, but there are always some and this year they were good ones.

This is the first fair to adopt the United States Department of Agriculture classification for American carriage horses, and quite a number of good animals were on exhibition. The department expert who judged them did not award any first prizes though he commended the showing.

Our report of awards will tell its own story, but emphasis should be made of the fact that this great fair was made entirely by private enter-prise. Emphasis should also be placed on the absolute and urgent need that exists in Kansas for State aid in maintaining a State fair.

The live-stock awards follow:

HEREFORD EXHIBITORS AND AWARDS.

HEREFORD EXHIBITORS AND AWARDS.

Hereford breeders made the biggest show ever held at this point, the number on existing the state of t

Walter B. Waddell, of Lexington, Mo., did the judging and his placing was able and fair.

Aged bull; 6 entries shown.—First, Beau Mystic, Stannard; second, Soldier Creek Columbus 4th, Morgan; third, Lord Thickset, Mousel Bros.; fourth, General Grove, Early; fifth, Sunny South, Eearly.

Two-year-old bull; 4 entries shown.—First, Young Beau Brummel, Logan; second, Beau Donald, Rake; third, Othello, Rake; fourth, Princeps 18th, Stannard.

Senior yearling bull; 3 entries shown.—First, Princeps I Am, by Princeps 4th, Mousel Bros.; second, Weston Perfection, by Weston Stamp 15th, Stannard; third, Sunset King, by St. Grove 3d, Logan.

Junior yearling bull; 7 entries shown.—First, Alto Hesiod, by Hesiod 54th, Mousel Bros.; second, Mariner, by Jim, Stannard; third, Bold President, Allen; fourth, Lord Primrose, by Relimetal, Morgan; fifth, Keep On 17th, by Keep On 2d, Stannard.

Senior bull calf; 9 entries shown.—First, Keystone King, by Young Beau Brummel, Logan; second, Beau Mystic, Stannard; fifth, Caesar, by Romulus, J. A. Larson.

Junior bull calf; 5 entries shown.—First, Castor, by Young Beau Brummel, Logan; second, Beau Mystic, Stannard; fifth, Caesar, by Romulus, J. A. Larson.

Junior bull calf; 5 entries shown.—First, Castor, by Young Beau Brummel, Logan; second, Beau Mystic, Stannard; fifth, Caesar, by Romulus, J. A. Larson.

Junior bull calf; 5 entries shown.—First, Castor, by Young Beau Brummel, Logan; second, Beau Mystic, Stannard; third, Elmer, by Romulus, Larson; fourth, J. J. Early; fifth, D. Fox & Son.

Aged cow; Il entries shown.—First, Domestic, Stannard; second, Frinceps 4th, Mousel; fourth, Mary Helmidge, Mousel; fifth, Mary, Stannard.

Two-year-old heifer; 7 entries shown.—First, Dorcthy, by Baccalaureate, Morgan; second, Blanche 2d, by Lord Saxon, Stannard; third, Miss Princeps 4th, Mousel; fourth, Miss Princeps 4th, Mousel; fourth, Mary Princeps 4th, Mousel; fourth, Miss Princeps 8th, by Princeps 4th, Mousel; fourth, Martha, by Romulus, Larson; fifth, Lady Blanch 2d, by Lord Saxon, Stannard.

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Larson; fifth, Lady Blanch 2d, by Lord Saxon, Stannard.
Junior yearling heifer; 10 entries shown.—
First, Lady Capitola, by Debonair, Stannard; second, Princeps Lady, by Frinceps 4th, Mousel; third, Lady Java, by Java, Stannard; fourth, Devotion, by St. Grove 3d, Logan; fith, Paladin Lady, Allen.
Senior heifer calf; 16 entries shown.—First, Jennie, Mousel Bros.; second, Capitola 11th, by Lord Saxon, Stannard; third, Miss Roseberry, by Young Beau Brummel, Logan; fourth, Lassie 4th, by Beau Mystic, Stannard; fifth, Lucille, Larson.
Junior heifer calf; 7 entries shown.—First, Jessica, by Young Beau Brummel, Logan; second, Daisy, Stannard; third, Miss Princeps 18th, by Princeps 12th, Mousel; fourth, Miss Princeps 19th, by Princeps 12th, Mousel; fifth, Sunny Malden, by Sunny South, Early, Get of sire; 7 entries.—First, Get of Beau Brummel, Logan; second, Get of Princeps 4th, Mousel; third, Get of Beau Mystic, Stannard.

Produce of cow; 7 entries shown.—First, Sugenta 118717, Mousel; second, Produce of Capitola, Stannard; third, Mary Francis.

Logan, Aged herd; 5 entries.—First, Stannard; second, Morgan; third, Mousel.

Breeder's young herd; 6 entries shown.—First, Mousel; second, Stannard; third, Logan, Call herd; 3 entries shown.—First, Jas. E. Logan; second, C. A. Stannard; third, J. A.

Junior champion male.—Castor, Logan. Schior champion male.—Beau Mystic, Stan-Grand champion male.—Beau Mystic, Stan-

champion female.—Lady Capitola, rd. r champion female.—Domestic, Stan-

Grand campion female.-Domestic, Stannard. SHORTHORN EXHIBITORS AND AWARDS.

SHORTHORN EXHIBITORS AND AWARDS.

The Shorthorn exhibitors were Everett Hayes, of Hiawatha; Park Johnson, Hutchinson; C. S. Nevius, Chiles; John Regier, Whitewater; J. F. Stodder, Burden; G. D. Strattan, Walton; Stuart & Downs, Hutchinson, and T. K. Tomson & Sons, Dover; Case & Newell and E. M. Hall, of Carthage, Mo.
Judges: R. J. Kinzer, W. B. Waddell, and C. A. Stannard.
Aged bull; 4 entries shown.—First, Master of The Grove, Case & Newell; second, Archer, Tomson & Sons; third, Nonpareil Star, Jno. Regier; fourth, Forest Knight, Stuart & Downs.

Two-year-old bull; 2 entries shown.—First,

Downs.

Two-year-old bull; 2 entries shown.—First, Victoria's Clipper, Everett Hayes; second, Royal Orange, Stodder.

Senior yearling bull; 4 entries shown.—First, Victor Archer, by Archer, Tomson; second, Golden President, by Roan President, Case & Newell; third, Attilla, by Nonparell Star, Jao. Regier; fourth, Prince Violet 3d, C. S. Nevius.

Junior yearling bull; 3 entries shown.—First, Stannard Lavender, by Standard Bearer, Stodder; second, King of Hearts, by Secret Arches, Stodder; third, Lord Ivan, by Forest Knight, Stuart & Downs.

Senior bull cast: 6 entries shown.—First.

Stuart & Downs.

Senior bull calf; 6 entries shown.—First,
Temptation, by Gallant Knight, Tomson &
Sons; second Prince Luster, by Prince Pavonia, Nevius; third, Alfaifa Leaf Star, by Nonparell Star, Jno. Regier; fourth, Royal Zealous,
by Royal Orange, Stodder; fifth, Hallwood
Goods, by Choice Goods Model, E. M. Hall,
Junior bull calf; 3 entries shown.—First,
Tomson & Sons; second, Nevius; third, Park
Johnson.

Aged cow; 8 entries shown.—First, Cherry
Lass, Tomson & Sons; second, 7th Ravenswood
Countess, Case & Newell; third, Rubine,
Hayes; fourth, 20th Countess Rosamond, Stuart, & Downs; fifth, Betsy Daily 5th, Tomson
& Bons.

Two-year-old helfer; 6 entries shown.—

Hayes; fourth, 20th Countess Rosamond, Stuart & Downs; fifth, Betsy Daily 5th, Tomson & Sons.

Two-year-old heifer; & entries shown.—First, 21st' Ravenswood Countess, by Lavender Viscount, Case & Newell; second, Grace, by Gallant Knight, Tomson; third; Lily Dale, by Waterloo Duke, Hayes; fourth, Knight Lustre, by Gallant Knight, Nevius; fifth, Lady Gladys, by Gladys Chief, Everett Hayes.

Senior yearling heifer; 7 entries shown.—First, Delightful, by Gallant Knight Tomson & Sons; second, Alfalfa Girl, by Aylesbury Duke, Stodder; third, Shadewell Countess, by Lavender Viscount, Case & Newell; fourth, President's Butterly 2d, by Roan President, Case & Newell; fifth, Becky Barrister 6th, by Orange Viscount, Hays.

Junior yearling heifers; 3 entries shown.—First, 6th Elderlawn Victoria, by Archer, Tomson & Sons; second, Lady Goodness 2d, by Nonparell Star, Regier; third, Graceful Princess, by Prince Pavonia, Nevius.

Senior heifer calf; 12 entries shown.—First, Shadewell Gold Drop, by Secret Viscount 2d, Case & Newell; second, Christmas Lassie, by Archer, Tomson & Sons; third, Demure, by Gallant Knight, Tomson; fourth, Poppy Girl, by Galant Knight, Tomson; fourth, Poppy Girl, by Galant Knight, Tomson & Sons; fifth, Rubine 2d, by Scotchman, Everett Hayes.

Junior heifer calf; 4 entries shown.—First, Tomson & Sons; second, Get of sire; 5 entries shown.—First, Tomson & Sons; second, Get of Lavender Viscount, Case & Newell; third, Get of Archer, Tomson & Sons; second, Get of Lavender Viscount, Case & Newell; the Get of Archer, Tomson & Sons; Newell; second, Produce of 2d Duchess of Norwood, Tomson & Sons; second, Get of Lavender Sons; Second, Case & Newell; third, Get of Archer, Tomson & Sons; Second, Tomson & Sons; Second, Tomson & Sons; Second, Case & Newell; third, Get of Archer, Tomson & Sons; Second, Nevius.

B

Aged herd; 3 entries shown.—First, Tomson & Sons; second, Case & Newell; third, Everett Hayes,
Breeder's young herd; 2 entries shown.—
First, Tomson & Sons; second Nevius.
Calf herd; 2 entries shown.—First, Tomson; second, Nevius.
Junior champion male.—Temptation, Tomson

Senior champion male.—Master of the Grove lase & Newell.

Assert champion male —Master of the Grove ase & Newell. Grand champion male.—Master of the Grove, ase & Newell. Junior champion female.—Delightful, Tom-

son & Sons.
Senior champion female.—Cherry Lass, Tomson & Sons. Grand champion female.—Cherry Lass, Tomson & Sons.

GALLOWAY EXHIBITORS AND AWARDS.

GALLOWAY EXHIBITORS AND AWARDS.
The exhibitors were S. M. Croft & Son, Bluff
City, Kans.; G. W. Lindsay, Red Cloud, Neb.,
and E. Gabrielson, Hutchinson, Kans. Croft
& Son made a strong showing, winning on
cattle of their own breeding.
C. A. Stannard made the awards as follows.
Aged bull; 2 entries shown.—First, Randolph
2d; Croft & Son; second, Magnet of Wavertree,
Croft & Son.
Two-year-old bull; 2 entries shown.—First,
Sloux of Graybill, Lindsay; second, Bull, by
Randolph 2d, Croft & Son.
Yearling bull; 4 entries shown.—First, Valerius, by Randolph 2d, Croft & Son; second,
Mezza 2d, by Randolph 2d, Croft and Son.
Bull calf; 3 entries shown.—First, Lindsay;
second, Lindsay.

Mezza Zd, by Randolph Zd, Croft and Son.

Bull calf; 3 entries shown.—First, Lindsay;
second, Lindsay,
Aged cow; 4 entries shown.—First, Lady
Charlotte, Lindsay; second, Favorite of
Lockenkit, Lindsay; second, Favorite of
Lockenkit, Lindsay; second, Favorite of
Lockenkit, Lindsay;
Two-year-old fielfer; 4 entries shown.—First,
Midget of Greenbush, by Randolph Zd, Croft
& Son; second, Blackle of Greenbush, by
Randolph 2d, Croft & Son.

Yearling helfer; 4 entries shown.—First,
Trixle, by Randolph 2d, Croft & Son; second,
Lady Elgin, Lindsay.
Helfer calf; 4 entries shown.—First, Florence
Croft, by Randolph 2d, Croft & Son.
Get of sire; 2 entries shown.—First, Get of
Randolph 2d, Croft & Son.

Produce of cow; 1 entry shown.—First, Produce of Viola of Wavertree, Croft & Son.
Aged herd; 2 entries shown.—First, Croft &
Son.

Breeder's young herd; 2 entries shown.—

Breeder's young herd; 2 entries shown.— First. Croft & Son.

ANGUS EXHIBITORS AND AWARDS.

The Angus show at Hutchinson has been more extensive than this year but not of better quality. Two of the exhibitors, Parrish & Miller, of Hudson, Kans., and Geo. Kitchen, Jr., of Gower, Mo., have been enough before the public to establish the worthiness of their stock and the character of cattle shown by McDonaid & Brantley, of Princeton, Mo., the only other exhibitors, can be judged from the ranking they got in this competition.

The usual satisfaction followed the work of Professor Kinzer as judge and C. A. Stan-

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nard as occasional referee. Their placings were as follows:

Aged buil; 1 entry_shown,—First, Key, Parrish & Miller.

Two-year-old buil; 2 entries shown.—First, Hyperion, Geo. Kitchen, Jr.; second, Monito, McDonald & Brantley.

Yearling buil; 4 entries shown.—First, Kinmura, by Kamura, Kitchen; second, Jits Hale Lad. by Hale Lad, Parrish & Miller; third. Envoy 3d, by Vala's Resegay, Parrish & Miller; fourth, Mayor of Oakland, by Blackbird Royal, Kitchen.

Buil calf; 6 entries shown.—First, Violet's Best Blood, by Best Blood, Parrish & Miller; second, Mayor of Oakland 3d, by Louis of Meadowbrook, Kitchen; fourth, Ogarita's Prince, by McDonald's: Lad, McDonald & Brantley; fifth, Straight; Advice, McDonald & Brantley; fifth, Mortgage Lifter B., McDonald & Brantley; sixth, Mortgage Lifter B., McDonald & Brantley; sixth, Mortgage Lifter B., McDonald & Brantley; fifth, Sunfower Happy 4th, Parrish & Miller; fifth, Sunfower Happy 4th, Parrish & Miller; fifth, Sunfower Sweet Violet, Parrish & Miller; 2 entries shown.—First, Maple Leaf Ino, by Black Monarch of Illing-

Parrish & Miller.

Two-year-old heifer: 2 entries shown,—First.

Maple Leaf Ino, by Black Monarch of Illington 2d, McDonald & Brantley; second, Corrinne
2d, by Hale Lad, Parrish & Miller.

Yearling heifer: "£. entries shown.—First,
Heather Bell of Alta, by Blackbird Royal,
Kitchen: second, Maplehurst Queen 30th, by
Clansman Chief 2d, McDonald & Brantley;
third; Corrinne 3d, by Hale Lad, Parrish &
Miller, fourth, Sunflower Merry Ito, by Japan
Ito, Parrish & Miller; fifth, Queen of Hillhurst, by Sunflower Gay Lad 2d, McDonald &
Brantley, hurst, by Brantley.

hurst, by Sunnower Gay Lad 2d, McDonald & Brantley.

Helfer calf; 7 entries.—First, Verina of Oakland, by Louis of Mcdowbrook, Kitchen, second, Sunflower Happy 5th, by Best Blood, Parrish & Miller; third, Sunflower Bertie 2d, by Best Blood, Parrish & Miller; flourth Premier Queen, by Sunflower Gay Lad, McDonald & Brantley; fifth, Sunflower, Nachua 2d, by Best Blood, Parrish & Miller; sixth, Sunflower Happy B. B., by Best Blood, Parrish & Miller; second, Get of Sire; 2 entries shown.—First, Get of Hale Lad, Parrish & Miller; second, Get of Sunflower Cora 2d, Parrish & Miller; Produce of Sunflower Cora 2d, Parrish & Miller; second, Produce of Edith Belle 2d, Kitchen.

Aged herd; 2 entries shown.—First, Parrish & Miller; second, McDonald & Brantley.

Breeder's young herd; 2 entries shown.—First, Parrish & Miller; second, McDonald & Brantley.

Grand champion male,—Hyperion, Geo.

Grand champion male.—Hyperion, Geo. Kitchen, Jr. Grand Champion female.—Rutger, Mina 2d, Parrish & Miller. POLLED DURHAM EXHIBITORS AND AWARDS.

POLLED DURHAM EXHIBITORS AND AWARDS.

C. J. Woods, Chiles, Kans.; D. C. Van Nice, Richland, Kans., and F. F. Failor, Fredonia, Kans.

Professor Kinzer did the judging.
Aged bull; 2 entries.—First, Van Nice; second, Failor.

Two-year-old bull; 1 entry shown.—First, Acacia Victor, C. J. Woods.
Yearling bull; 2 entries shown.—First, Van Nice, second, Van Nice.
Bull calf; 3 entries shown.—First, Grand Master, Wood; second, Van Nice.
Aged cow; 4 entries shown.—First, Golden Lady, Woods; second, Van Nice.
Two-year-old heifer; 4 entries shown.—First, Golden Lass, by Golden Crown, Woods; second, Van Nice.
Yearling heifer; 3 entries shown.—First, Golden Belle, by Golden Crown, Woods; second Nora's Pride, Woods;
Heifer calf; 3 entries shown.—First, Rose of Acacia 2d, by Golden Crown, Woods; second Golden Lass 2d, Woods, Qet of sire; 2 entries shown.—First, Get of Golden Crown, Woods, Produce of cow; 2 entries shown.—First, Woods, Aged herd; 2 entries shown.—First, Woods, Young herd; 2 entries shown.—First, Woods, Young herd; 2 entries shown.—First, Woods, Polland-China.—Exhibitors And

POLAND-CHINA EXHIBITORS AND AWARDS.

POLAND-CHINA. EXHIBITORS AND AWARDS.

The Poland-China made the strongest show of any breed of hogs and brought out the best ever seen at Hutchinson. There were 210 head in all, shown by the following exhibitors: Hebbard & Roy, Peek, Kans.; Snyder Brus., Winfield. Kans.; Stryker Bros., Fredonia, Kans.; H. C. Dawson's Bons, Endicott, Neb.; A. P. Wright, Valley Center, Kans.; G. E. Hayden & Sons, Newkirk, Okla.; Sheeks & Anderson, Winfield, Kans.; L. V. Martin, Belle Plain, Kans.; W. H. How, Milo, Kans.; J. B. Freess, Baynefille, Kans.; H. O. Sheldon, Wichita, Kans.; Lean Calhoun, Potter, Kans.; Dietrich & Baynefille, Kans.; H. O. Sheldon, Wichita, Kans.; Hean Calhoun, Potter, Kans.; Dietrich & Baynefille, Kans.; A. B. Hoffman, Reese, Kans.; H. B. Walter, Wayne, Kans.; J. D. Spansier, Sharon, Kans.; F. P. McGuire, Hutchinsen, Kans.; Chas. O. Parsons, Clearwater, Kans.; J. A. Jenkins, Conway Springs, Kans.; C. B. Palmer, Peabody, Kans.; Brown Bros., Halstead, Kans.; Wm. McGuire, Haven, Kans.; E. L. Calvin, Bolcourt, Kans., and Giltedge Farm, F. M. Giltner, Mgr., Winfield, Kans.

W. M. McFadden, of Chicago, was the unanimous choice of the breeders for judge. Aged boar; 3 entries shown.—First, Chief On and On, Hebbard & Roy; second, Grand Look, H. C. Dawson & Sons; third Maj. Chief, Brown Bros.

Senior yearling boar; 4 entries shown.—First, On The Plumb, by On and On, Snyder Bros.

Senior yearling boar; 4 entries shown.—First, On The Plumb, by On and On, Snyder Bros., and A. P. Wright; second, Cute Special. by Chief Perfection 2d, Snyder Bros. and A. P. Wright; third, Equalizer, H. C. Dawson & Sons.

wright; third, Equalizer, H. C. Dawson & Sons.
Junior yearling boar; 6 entries shown.—First, On Time, by On and On, Leon Calhoun; second, Rambler, by Rambler Look, H. C. Dawson & Sons; third, Correct 2d, by Correct, R. E. Blatt.
Senior boar pig; 13 entries shown.—First, Success, by Tewnsley's Perfection, Glitedge Farm; second, Xpansion, by Expansion, H. C. Dawson; third, Columbia Special, by Columbia Chief, H. O. Sheldon.
Junior boar pig; 18 entries.—First, Perfect Quality, by Top Roller, G. A. Abshire & Son; second, Pig, by Meddlesome, A. W. Shriver; third, Stylish Chief, by Stylish Perfection, H. B. Walter.
Aged herd; 6 entries shown.—First, Black

B. Walter.
Aged herd; 6 entries shown.—First, Black
Perfection, by I Am Mischief Maker, Striker
Bros. and Snyder Bros; second. E. L. Daisy, by
Perfection E. L., A. W. Shriver; third, Perfect
Lady, by Growthy Perfection, H. C. Dawson
and Sons.
Senior yearling sow: 5 entries

and Sons.
Senior yearling sow; 5 entries shown.—First,
Beauty Perfection, and I Am Mischief Maker,
Stryker Bros. and Snyder Bros.; second, Peek
a Boo, by Perfection I Know, W. H. How;
third, Lady Plumb, by On and On, Stryker
Bros. and Snyder Bros.

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Junior yearling saw; 9 entries shown.—First, Miss Pansion, by Expansion, H. C. Dawson & Sons; second, Péach Bloom, by Chieftain, H. W. How; third, Beauty Correct 2d, by Correct, R. E. Blatt.
Senior sow pig; 16 entries shown.—First, Louise Mist, by Mfnstrel, Stryker Bros., and Snyder Bros.; second, sow by Controller, A. B. Hoffman; third, Lady Ex, by Big Ex, H. C. Dawson.

B. Hoffman; third, 222 entries shown.—First, Junior sow pig; 22 entries shown.—First, Plumb's Opal, by On The Plumb, G. E. Hayden & Son; second gilt, by Controllor, Hoffman; third, gilt, by Meddler 2d, Strker Bros Produce of sow; 5 entries.—First, produce of Correct, by Corrector, A. B. Hoffman; second, on produce of Beauty Correct, R. E. Blatt.

ond, on produce of Beauty Correct, R. E. Blatt.
Get of sire; 9 entries shown.—First, get of Controller, A. B. Hoffman; second, get of Minstrel, Stryker Bros. and Snyder Bros.
Young herd; 5 entries shown.—First, H. C. Dawson & Son; second, Stryker Bros. and Snyder

Dawson & Son; second, Stryker Bros. and Snyder Bros.
Breeder's young herd.—First, H. C. Dawson & Son; second Stryker Bros. and Snyder Bros.
Aged herd; 3 entries.—First, Stryker Bros. and Snyder Bros.; second, H. C. Dawson & Son.

Son.
Breeder's aged herd—First, H. C. Dawson &
Son; second, R. E. Blatt.
Junior champion male.—Success, Giltedge

Reserve junior champion.—Perfect Quality,
Reserve junior champion.—Perfect Quality,
G. A. Abshire & Son.
Senior champion male.—On Time, Leon Cal-

Sentor champion male.—Chief On & On, Hebbard & Roy.
Grand champion male.—On Time, Leon Cal-

houn.

Reserve grand champion male.—Success, Glitedge Farm.

Junior champion female.—Plumbs Opal, G. E. Hayden & Son.
Reserve junior champion female.—Miss Senior champion female.—Black Perfection, Stryker Bros. and Snyder Bros.
Reserve senior champion female—Beauty Perfection, Stryker Bros. and Snyder Bros.
Grand champion female.—Black Perfection, Stryker Bros, and Snyder Bros.
Reserve grand champion female.—Plumb's Opal, G. E. Hayden & Son.

DUROC EXHIBITORS AND AWARDS.

This show was not strong in numbers but made up considerably by bringing out some good individuals. About 60 head were exhibited, the following breeders contributing: 8. W. Alfred & So. Sharon, Kans.; H. Hague & Sons. Walton, Kans.; Geo. Hole

comb, Peabody, Kans.; H. M. Harrington, Clearwater, Kans.; J. U. Howe, Wichita, Kans.; R. W. Goodman, St. John, Kans.; Barstow & Crotts, Hutchinson, Kans.; Lyman & Crowley, Anthony, Kans.; W. R. Crows, Hutchinson, Kans.; Chas. Dorr, Osage City, Kans.; W. M. Albertson, Miltonvale, Kans.; and Mr. and Mrs. Henry Shrader, Wauneta, Kans.

Kans.; V. and Mrs. Henry Shrader, Waller, and Mr. and Mrs. Henry Shrader, Waller, Kans. (F. F. Failor, of Fredonia, Kans., placed the awards, as follows:

Aged boar; 3 entries shown.—First, Sharon Wonder, by Mo. Wonder, S. W. Alfred & Son; second, Ohio Chief, Jr., by Ohio Chief, Ghas. Dorr; third, Sunnyside Prince, by Wichita Prince, H. H. Hague & Son. Senior yearling boar; 2 entries shown.—First, Maple Chief, by Royal Improver, J. U. Howe; second, Commercial, by Pay Down. W. R. Crow.

Senior yearing bat 'A Crow.

First, Maple Chief, by Royal Improver, J. U. Howe; second, Commercial, by Pay Down. W. R. Crow.

Junior yearling boar—First, Young Orlon, by Dandy Orlon, M. W. Albertson; second, Boss Improver, by Improver 2d, W. R. Crow; third, King's Wonder's Rosemoss, by King Wonder 5th, Alfred & Son.

Senior boar pig; 10 entries shown.—First, pig by Ohio Chief, S. W. Alfred & Son, second, pig by Ohio Chief, S. W. Alfred & Son, in third, pig by Crimson Wonder second, Mr. and Mrs. Henry Shrader.

Junior boar pig; 8 entries.—First, pig, by Spot, Cash, S. M. Crotts; third, pig, by Crimson Wonder 2d, Mr. and Mrs. Henry Shrader.

Aged sow; 2 entries shown.—First, Wichita Pearl, by Juno, H. H. Hague & Son; second, Clara, by Buddy T., W. R. Crow.

Senior yearling sow; 1 entry shown—First, Lady Go On, Russell's Hague, H. H. Hague & Son.

Junior yearling sow; 2 entries.—First, Tip
Ton Notcher's Hattle, by Tip Top Notcher, S.

Senior yearling sow; 1 entries.—First, Tip Top Notcher's Hattle, by Tip Top Notcher, S. W. Alfred & Son; second, Kansas Delight, by Sunnyside Prince, H. H. Hague & Son. Senior sow pig; 4 entries shown.—First, gilt, by Cashier, R. W. Goodman; second Tonsy Maid, by Sunnyside Prince, H. H. Hague & Son; third, Gypsy Maid, by Sunnyside Prince, H. H. Hague & Son; third, Gypsy Maid, by Sunnyside Prince, H. H. Hague & Son; third, Gypsy Maid, by Sunnyside Prince, H. H. Hague & Son; third, Gilt, by King Wonder's Rosemoss, S. W. Alfred & Son; second, Sunnyside Cem. by Sunnyside Prince, H. H. Hague & Son; third, Gilt, by King Wonder's Rosemoss, S. W. Alfred & Son. Get of sire; 2 entries shown.—First, get of Ohio Chief, S. W. Alfred & Son; second, get of Sunnyside Prince, H. H. Hague & Son.
Produce of R. L.'s Lady, S. W. Alfred & Son; second, produce of Stumpy Maid, H. H. Hague & Son.
Junior champion male,—Pig by Ohio Chief, S. W. Alfred & Son; reserve on pig by Spot Cash, Crotts.
Senior champion male,—Pig by Ohio Chief, S. W. Alfred & Son; reserve on pig by Spot Cash, Crotts.
Senior champion male,—Pig by Ohio Chief, Alfred & Son; reserve, Maple Chief, J. U. Howe, Grand champion male,—Pig by Ohio Chief, Alfred & Son; reserve, Young Orion, M. W. Albertson.
Junior champion female,—Gilt, by Cashier, R. W. Goodman; reserve, gilt by King Won-

Albertson.

Junior champion female.—Gilt. by Cashier.

R. W. Goodman; reserve, gilt by King Wonder's Rosemoss. Alfred & Son.
Senior champion female.—Tip Top Notcher's Hattle, Alfred & Son; reserve, Wichita Pearl.

Hague & Son.

Grand champion female.—Tip Top Notcher's Hattle, Alfred & Son; gilt, by Cashier, R. W. Goodman.

BERKSHIRE EXHIBITORS AND AWARDS.

Exhibits were made by the following breeders: T. F. Gurthrie, Strong City, Kans.; G. W. Hummel, Hutchinson, Kans.; C. G. Nash, Eskridge, Kans.; and McCurdy & Downs, Hutchinson, Kans.
Chas, E. Sutton, of Lawrence, Kans., placed the awards, to the satisfaction of all, as follows:

Aged boar; 3 entries shown.—First, Revela-tion, by Berryton Duke, T. F. Guthrie; sec-ond. Baron L., by Young Chief, McCurdy & Downs; third, Lee's Promoter, G. W. Rum-mel.

Senior yearling boar; 1 entry shown.—First, Master's Longfellow, by Masterpiece, C. G.

Master's Longfellow, by Masterpiece, C. G. Nash,
Junior yearling boar; 1 entry shown.—First,
Sliver Tip's Revelation 23d, by Revelation,
T. F. Guthrie.
Senior boar pig; 2 entries shown.—First,
Royal Baron 5th, McCurdy & Downs; second,
Baron Longfellow 55th, G. W. Rummel.
Junior boar pig; 5 entries shown.—First,
Promoted, by Lee's Promoter, G. W. Rummel; second Defiance, by Master Longfellow,
C. G. Nash; third, Sir Ivanhoe, by Ivanhoe,
T. F. Gurthrie.
Aged sow; 1 entry shown.—First, Berryton
Black Girl, by Berryton Duke, T. F. Guthrie.
Senior yearling; 1 entry shown.—First, Miss,
Heno, by Berryton Duke, Jr., McCurdy &
Towns,
Junior yearling sow; 2 entries shown.—First,

Reno, by Berryton Duke, Jr., McCurdy & Downs.

Junior yearling sow; 2 entries shown.—First, Wabaunsee Pride, by Legal, C. G. Nash; second, Robinhood Lucy, by Forest King, McCurdy & Downs.

Senior sow pig; 3 entries shown.—First, Fashion Lady, McCurdy & Downs; second, Sylvia, by Legal, C. G. Nash; third, Evelyn, by Legal, C. G. Nash; third, Evelyn, by Legal, C. G. Nash; Junior sow pig; 4 entries shown.—First, Lady Riohard, by Richard Masterpiece, T. F. Guthrie; second, Masterpiece Maid, by Master's Longfellow, C. G. Nash; third, Master-piece Nuggett, by Master's Longfellow, C. G. Nash; Second, get of Master's Longfellow, C. G. Nash; Produce of sow; 1 entry shown.—First, on produce of Gold Nugget, C. G. Nash; Produce of Gold Nugget, C. G. Nash; Promotion, G. W. Rummel; reserve, Royal Bagon 5th, by Rutger Fashion, McCurdy & Downs.

Downs.
Senior champion male.—Master's Longfellow, C. /G. Nash; reserve, Revelation, T. F. Guthrie. Rummel.

Gathrie, G. Rash; reserve, Promoted, G. W. Rummel.

Rumel.

Junior champion female.—Fashion Lady, by
Rutger Fashion, McCurdy & Downs; reserve,
Lady Richard, by Richard Masterpiece, T. F.

Guthrie.
Senior champion female.—Berryton Black
Girl, by Berryton Duke, T. F. Guthrie; reserve, Miss Reno, by Berryton Duke, Jr., McGrand champion female.—Berryton Black
Girl, T. F. Guthrie; reserve, Fashion Lady, by
Rutger Fashion, McCurdy & Downs.

O. I. C. EXHIBITORS AND AWARDS.

The O. I. C.'s, 120 in all, were shown by the following exhibitors: Humbert & White, Nashu, Ia.; A. T. Garth, Larned, Kans.; E. Forward & Son, Bayneville, Kans.; W. H. Lynch, Reading, Kans.; W. W. Waltmire, and R. F. Frantz, Raymore, Mo. W. H. McFadden, of Chicago, Ill., placed the awards.

W. H. Moradaen, of the awards, 'Aged boar; 4 entries shown.—First, Joker, by Combination, Humbert & White; second, Kerr Riley, by Sheldon, Forward & Son; third, Jackson Chief 2d, by Jackson Chief, W. H.

Jackson Chief 2d, by Jackson Chief, W. H.
Lynch.
Senior yearling boar; 3 entries shown.—
First, Hero, by Perfection, Humbert &
White; second, W's Perfection, by Champion,
W. W. Waltmire; third, Kerr Dick Ja., by
Kerr Dick, A. T. Garth.
Junior yearling boar; 4 entries shown.—First,
Choice Goods, by Perfection, Humbert &
White; second, Lewis, by Plato W. R. F.
Faniz; third, Climax, by Plato, W. W. Waltmiré.

miré. Senior boar pig; 6 entries shown.—First, Riley, by Kerr Riley, E. Forward & Son; sec-

ond, Joker 3d, by Joker, Humbert & White; third, Lincoln, by All O. K., R. F. Fants.
Junior boar pig; 5 entries shown.—First, pig, by Joker, Humbert & White; second, pig, by Jackson Chief 2d, W. H. Lynch; third, pig, by Kerr Dick, A. T. Garth.
Aged sow; 4 entries shown.—First, Judge's Choice, by Combination, Humbert & White; second, Queen, by King H., Humbert & White; third, Duchess, by Champlon, W. W. Waltmire.

Waltmire.
Senior yearling sow: 4 entries shown.—First,
O. K. Amy, by O. K. W. W. Waltmire, second, Cora 3d, by Combination, Humbert &
White; third, Mary, R. F. Fantz.
Junior yearling sow: 6 entries shown.—First,
Success 6th, by Champion, W. W. Waltmire;
second, Walnut Park Fride 3d, by Champion,
W. W. Waltmire; third, Lady May, by Plato
W., R. F. Fantz.
Senior sow pig: 10 entries shown.—First.

W. W. Waltmire; third, Lady May, by Plato W., R. F. Fantz.
Senior sow pig; 10 entries shown.—First, Cora No. 1, by Joker, Humbert & White; second, Bessle W. 2d, by Joker, W. W. Waltmire; third, Nellie, by Combination 3d, Humbert & White.
Junior sow pig; seven entries shown.—First, Lilly, by Joker, Humbert & White; second, pig, by Jackson Chief, W. H. Lynch; third, pig, by Kerr Dick, A. T. Garth.
Produce of sow; 3 entries shown.—First, Cora A., Humbert & White; second, Bessle, by Champion, W. W. Waltmire.
Get of sire; 5 entries shown.—First, Combination, Humbert & White; second, Joker, Humbert & White.
Junior champion male.—Riley, by Kerr Riley, E. Forward & Son.

RAINFALL FOR WEEK ENDING SEPTEMBER 21, 1907.

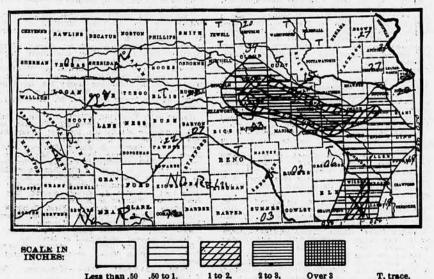
prize on yearling boar, aged sow, and sweep-stakes on sow any age.

The largest exhibit of swine was of Duroc-Jersey breed. Ralph Harris, Buck Creek; R. J. Eastman, Chas. Phillips, and W. H. McClackey of Lawrence were the exhibitors. Awards were made as follows: Boar 6 months and under 1 year; first. W. H. McCloskey; second, R. J. Eastman. Yearling sow; first. Ralph Harris; second, W. H. McClasky, Sow 6 months and under 1 year; first and second, to Ralph Harris. Sow and litter of pigs; first to R. J. Eastman; second to W. H. McClasky. Sweepstakes sow. Ralph Harris. Sweepstakes sow. Sweepstakes sow. Ralph Harris. Sweepstakes herd. Ralph Harris. stakes sow. Ralph Harris. Sweepstakes nero. Ralph Harris. All the awards on cattle and swine were judged by Prof. R. J. Kinzer. of Manhattan.

Kansas Farmer Crop Report. EASTERN DIVISION.

Atchison.—Urusually warm week, moderating by Friday. Much early corn cut. Haying finished; a fair crop. Chautaqua.—Warm week, cooler last days with showers; ground in good condition for seeding.

with showers; ground in seeding.
Coffey.—Hot till Friday, when rain came;
ground in good condition; much fall seeding
done; early sown wheat up and looking well;
corn cutting begun,
Johnson.—Warm week, cooler Friday and
Saturday, with ideal September weather;
much fall work accomplished.
Montgomery.—Strong, drying, southerly



Senior champion male.—Choice Goods, by Combination, Humbert & White. Grand champion male.—Choice Goods, by Combination, Humbert & White. Junior champion female.—Cora ist, by Joker, Humbert & White. Feserve, Lilly, by Joker, Humbert & White. Senior champion female.—O. K. Amy, by O. K., W. W. Waltmire; reserve, Judge's Choice, by Combination, Humbert & White. Grand champion female.—O. K. Amy, W. W. Waltmire; reserve, Cora ist, Humbert & White.

PERCHERON EXHIBITORS AN J. W. and J. C. Robison, of Towanda, Kans., won first on everything shown, also six gold medals offered by the Percheron So-ciety, and the \$100.00 silver cup offered for the champion herd.

ciety, and the \$100.00 silver cup offered for the champion herd.

The awards were made by John Huston, of Blandinsville, Ill.
Aged stallion; 3 entries.—First, King 50400, J. W. and J. C. Robison; second, Ed. Murry, El Paso, Ill.

Three-year-old stallion.—First, Beautor 4881, J. W. and J. C. Robison; second, Casino, Jr. 41298, J. W. and J. C. Robison.

Two-year-old stallion.—First, Flambart 43225, J. W. and J. C. Robison.

One-year-old stallion.—First, Drafty B. 46109, J. W. and J. C. Robison.

Aged mare.—First, Ermantrude 41203, J. W. and J. C. Robison; second, Marie 27709, J. W. and J. C. Robison; third, Deborah 20852, J. W. and J. C. Robison; second, Fernette 41401, J. W. and J. C. Robison; Second, Fernette 41401, J. W. and J. C. Robison.

Two-year-old mare.—First, Bona 46259, J. W. and J. C. Robison; second, Lolita 46780, J. W. and J. C. Robison.

Champion mare.—First, Marcellene Boble.

Champion stallion.—King 50400; Robisons. Champion mare.—First, Marcellene, Robi-

Champion herd.—Robisons.

Douglas County Fair.

The Douglass County Fair, held at the Driving Park, Lawrence, Kans, September 17, to 21, under the management of the Douglass Fair and Agricultural Society was the first event of the kind since the close of the once amous Blemark Grove fairs nearly a score of years ago. The fair was quite a creditable success for the maiden effort and is due largely to the cordial cooperation of all the business and farming interests of the county. While the conveniences were of the fair weather sort only, the encouragement given the management looked auspicious for the future.

The show of live-stock, poultry, farm products, in fact all of the departments were quite creditable with the exception of the fruit department, which was not expected the var

quite creditable with the exception of the fruit department, which was not expected this year.

The principal cattle display was in the Hereford class, two very fine exhibits being made by Steele Brothers of Richland, and A. E. Metzger of Lone Star. Mr. Metzger won first on aged bull, heifer calf, and second prize on bull calf, aged cow, yearling heifer, and sweepstakes on bull of any age. Steele Brothers won first on yearling bull, bull calf, aged cow, 2-year-old cow, and yearling heifer, and second prizes in the classes where Metzger won first. Also won sweepstakes on cew, get of bull, produce of cow, and best herd.

Chas. E. Sutton had the only exhibit of Angus and was awarded first on aged bull, yearling bull, bull calf, aged cow, and heifer calf. Haskell institute exhibited a Guernsey bull and a Shorthorn bull, and G. W. Maffett, of Lawrence, had a single exhibit of Jerseys. The swine show was highly creditable for a county fair and the Berkshire and Duroc-Jerseys were the leading displays. The only exhibit of Poland-Chinas was made by G. W. Allen of Tonganoxie.

A splendid exhibit of Berkshires was made by Manwaring Brothers, won first on yearling boar, yearling sow, and second on aged boar, yearling sow, and sweepstakes boar. Chas. E. Sutton won first on aged boar, 2-year-old, sow; sow, under 1 year, and sow and litter of pigs, and second

winds first half of week; good rains last half, thoroughly soaking the ground.
Shawnee.—Fine week for maturing corn; much alfalfa sown, followed by good shower

MIDDLE DIVISION.

Butler.—Hot, dry week, favorable for maturing the corn; cutting in progress, some corn poor, other fields very good, running as high as 65 bushels to the acre.

Cowley.—Bry and hot; rain needed badly.
Dickinson.—Very heavy rain on Briday, ground thoroughly soaked.

Ellis.—High winds, and dry weather.

Jewell.—Dry, hot, windy week, ending with cool wave; much wheat sown.

McPherson.—Too dry: no seeding; corn dry.
Pawnee.—Too dry: no seeding; co

Clark.—A hot week, ending with cool wave; ground dry, needs rain.

Lane.—The forepart of the week was unusually warm, with hot wind Wednesday afternoon; rain is needed.

Norton.—Warm and dry, needing moisture for fall work

Norton.—Warm and dry, needing moisture for fall work. Scott.—Fine fall weather; thrashing and seeding in full blast. Thomas.—Very warm week, except last two days, which were cool; a light shower Saturdays, which were cool; a name day; which were cool; a name week till Friday; Friday and Saturday cool.

New Advertisers.

New Advertisers.

Successful Farming, big premium.

D. C. Stayton, swine sale.
Geo. P. Monroe, hog farm.
G. W. Allen, Poland-Chinas.
W. Clement Moore, best literature.
The Orchestrino Co.. The Dolcette.
Alfalfa Mill Manufacturing Co., mills.
Calhoun, Denny & Ewing, Washington.
J. S. Crawford. Western Canada.
M. Bradford & Son, Poland-China sale.
Safety Breeding Crate Co. crates.
L. W. Timberlake, Poland-China sale.
Chas. L. Covell, Percherons.
J. F. Hastings, Public sale.
Southeast Nebraska Circuit, Duroc-Jersey sale.

A FINE STLYE BOOK FREE.

Nebraska Clothing Company Issues Elegant Book Printed in Two Colors-Sent Free for a Postal.

The Nebraska Clothing Co. have just issued their semi-annual fashion book for men and boys, showing every correct and approved style for the season 1907-8.

This book is valuable to every household-with it you do not have to guess at the correct dress for any occasion. It tells you and tells you correctly.

Forty pages of illustrations and descriptions of every popular article of apparel for men and boys, with a liberal assortment of samples of the newest cloths.

This book will be sent you for the asking—a postal will do. Simply address the Nebraska Clothing Co., 1113-1115 Main street, Kansas City, Mo., and ask for Book 16 and mention THE KANSAS FARMER.





(Patented May 15, 1906.)
The only horizontal, vapor cooled gasoline engine in the world. Worth twice the price of any other style gasoline engine, but costs you no more. Illustrated

WATERLOO GASOLINE ENGINE CO. WATERLOO, IOWA

Seldom Wear Out

Dr. Miles' Anti-Pain Pills relieve pain-not only once, but as many times as it is necessary to take them. Many persons who suffer from chronic ailments find in them a source of great relief from the suffering which they would otherwise be compelled to endure. Their soothing influence upon the nerves strengthen rather than weaken them. For this reason they seldom lose their effective,

Mess.

"I am 62 years old and have suffered for 42 years from nervous troubles, rheumatism and neuralgia, palpitation of the heart, shortness of breath, sleeplessness, and pain around the heart. The Dr. Miles Anti-Pain Pills have been a blessing to me. I don't know what I should do without them, and they are the only remedy I have ever used that either did not wear out in less time than I have been using them, or else the injurious results were such that I would be obliged to cease their use."

cease their use."

MRS. S. C. ROBINSON,

To. Miles' Anti-Pain Pilis are sold by your druggist, who will guarantee that the first package will benefit, if it falls, he will return your money.

5 doses, 25 cents. Never sold in bulk. Miles Medical Co., Elkhart, Ind

MOORE'S

Year - Book

The cream of the best literature on Business, Advertising and Education. Price per copy, 25c. Ad. rates, 25c line; classified, 2c word:

Circulation, 25,000. New Egypt, N. J.

VARICO CELE
A Safe, Painless, Permanent Cure GLARATTEEL
30 years' experience. No money accepted until
patient is well. CONSULTATION, and waluable BOOK FREE, by mail or at office......
DR. C. M. COE, 915 Walnut St Kansas City, Me.

our Choice of These Presents Free

Do You Want a Piano? Do You Want a Shetland Prize. Pony Outflt **Pony, Cart and Harness?** or Furniture. 2nd Prize. \$100 Dining-Room and Bed-Room Outfit? 3rd Prize. \$50 in Cash.

Next five.--A beautiful 45-in. Nickel-Plated Heating Stove. Next five. \$5 in Cash. Next twenty-five. A beautiful set of dishes as described,

shown in large picture in our catalogue. Clip coupon below and we will send you our complete catalogue.

Then Here is Your Opportunity!

Do You Need Cash?



This Beautiful Peny, Cart and Harness Free.

800

We will give absolutely free to the person who secures the most subscribers for us during October their choice of the above grand premiums.

Successful, Farming is a handsome, beautifully illustrated, up-to-date agricultural paper. Everybody who sees it is wonderfully pleased with it. Every person you meet who is not already a subscriber will give you their subscription. Why shouldn't they when they can get this great paper a whole year for 25c.

Here is Our Offer:

We will give the Piano, Pony Outfit or Furniture to the person sending us the most subscribers, new or renewals, during October. Every letter must be mailed on or before 12:00 o'clock midnight October 31st.

To the person sending next largest club we will give \$100.00 cash. Next largest club \$50.00. Next five a beautiful 45 inch Heating Stove. Next ten \$5.00 each. To the next twenty-five we will give a beautiful set of Dishes.

Clip the coupon below and we will send full description with large picture of the Piano,

Clip the coupon below and we will send full description with large picture of the Piano, Furniture, Stoves, Dishes, etc. These are all in addition to the GRAND REWARD PREMIUMS below. Remember you

get any premium below, and a large number of others offered in our complete catalogue, for the number of subscribers stated, and in addition we give the big list of special prizes above for biggest clubs. Glip coupon on bottom of page, fill in your name and address. we will send you sample copies of our paper and our complete offer. Send 25c for a year's subscription for yourself if you wish and it will count as one in your club, but you don't have to send your subscription unless you wish. Don't fail to get complete description of our big prizes and a copy of our big premium book showing cuts and descriptions of hundreds of free presents. Write today. Address Successful Farming. Des Moines, Ia,

Grand Extra Reward Presents! To any person sending us a club of subscribers we will give presents as described below for the number of subscriptions stated, and in addition to this your clubs are entered in competition for the grand prizes described above. Surely this is a liberal offer, but we want all your neighbors to know about Successful Farming and will pay well for your help

SCHILLER PIAN O, FREE!

SCHILLER PIAN O, FREE!

This beautiful upright, mahogany-finish, Schiller Pia o absolutely free! If you get us the biggest club of 25c subscribers during October you can have it, cilip coupon below and we will scan you complete description and tell you all about our offer. The Schiller is standard everywhere. The Musical Department of Drake University has twenty registration and actual photograph taken dozen of them, and they are in princtically every musical college in Iowa, This is a beautiful instrument and one any home may well be proud of.

Get a Copy of Our Big Free Catalogue.

The Musical Department of Drake University has twenty registration and actual photograph taken dozen of them, and they are in princtically every musical college in Iowa, This is a beautiful instrument and one any home may well be proud of.

Get a Copy of Our Big Free Catalogue.

The Musical Department of Drake University has twenty registration and actual photograph taken to them, and they are in princtically every musical college in Iowa, Will send you full description and our complete offer. Guarant ed to be absoniately safe. A really beautiful outfit.

This beautiful Furniture absolutely free! This beautiful Funiture absolutely free! This beautiful Funiture absolutely free! You can have this instead of will be down on which is nated to the person or pony Outfit A China Closer complete complete offer of the Piano. Or complete description and our will description and our work. Clip the coupon below and we will send you a beautiful pleture of the prizes for biggest clubs sent during Outfort. This furniture absolutely free! You can have this instead of will be down Outfit. A China Closer to be absonitely free! You can have this instead of will be down Outfit. A China Closer to be absonitely free! You can have this instead of will be down Outfit. A China Closer to be absonitely free! You can have this instead of will be down Outfit. A China Closer to be absonitely free! You can have this function of the the Piano or Pony Outfit. A Ch

PONY, CART AND HARNESS,

DISHES, BED ROOM, DINING ROOM FURNITURE AS ONE PREMIUM FREE

This beautiful Pony, Cart and Harness will be given absolutely free to the person sending the biggest club during October if they would rather have it than the Plato. Write us for complete description and actual photograph taken from life. This is a beautiful outfit, all complete. It c n be yours by a little work. Clip the coupon below and we will send you full description and our complete offer. Guarant ed to be absolutely safe. A really beautiful outfit.

In case of a tie, as many prizes as there are persons tied will be taken, their value added together, and the money divided equally. Your Choice of These Presents and Hundreds of Others. Clip Coupon and Get Our Free Catalogue.



Magic Lantern and thirty Colored Pic-tures with each Lantern for eight sub-scribers. This is a beautiful Lantern and one every boy and girl can have a world of fun with. Free for a club of eight subscribers. Fend for our com-plete catalogue showing hundreds of

This rifle is made by the well known Stevens (com-pany and is one of the best and strongest small Rifles made by this or any other company; shoots 22 long or shorts, is take down and in every way a first-class Rifle. This must not be confused with the cheap guns. Sent free for fitteen subscribers.

SINGLE BARREL BREECH-LOADING SHOT GUN—We have used over 2500 of these guns and never had a kick. A genuine Stevens take-down, breech-loading, 12-guage, choke bore, shell extracting, 30-inch single barrel shot gun, We cann-bere, but it is shown in our complete catalogue. Free for a club of thirty-five-su



SPECIAL RAZOR STREL TOOTH-PICE KNIPE.—This splendid Razor Steel Tooth-pick Knife is two bladed, one small one and one large clip blade. Each blade is hand forged from best quality crucible steel, brass lined. German Silver bolster, cap and shield; lasts a lifetime. Will be given free for a club of six subscriptions at 25c each, 81.00 in all.



ware line. See our complete catalogue. The above spoon is a beautiful, fine quality, genuine Roger's A No. 1 plate. We will send six spoons for a club of seven subscribers, Rememoer these are warranted. We can give you a set of cheap metal spoons for only one subscriber, but they 're not Roger's. We will send you a set of six of above spoons for seven subscribers and guarantee you will be pleased. Send for complete pre mium list, Clip coupon below.



we can send a beautiful filled, signet, extra long stem for only two subscr We can send a still better pin for three subscriber a perfectly beautiful extra heavy, gold plated, wa ed pin for five subscribers.

ipin for five subscribers.

Other premiums listed in our complete catalogue. We give only a few. You must have a copy of our complete catalogue to get any idea of the many premiums we offer. Clip coupon below

Bome of the articles are—Skates, knives, bracelets, rings, giassware, clocks, electric engine, scroll saws, pillow tons, lace curtains, mail box, music rolls, post cards, stereoscopes, rugs, sewing box, stamping out fit. stationery, etc., etc

These are only a few. Send for our complete catalog.



MAIL THIS COUPON Publishe: SUCCESSF FARMING. ESSFUL Tenth St DES MO.JES, IO Gentlemen -

Se. d e copy of your complete Premium List and tell me how I can earn ir y choice of ; iano, Feny Cutfitor I urniture.

SILVERWARE.—We can furnish spoons, knives and forks, camers, butter dishes, or anything you want in the silver-Cash Commission. To those who prefer it we will pay a cash commission in place of the premiums given for each club. This cash commission is liberal and will enable our agents to pay all their expenses and make good wages while canvassing. Your clubs would be entered in competition for biggest clubs just the same. We want agents in every county to enter for the prizes. Do not delay, but write at once. Clip the coupon on the corner of this page, fill it out and mail it to us and we will mail you sample copies, club blanks, complete description Grand Special Prizes and a copy of our complete catalogue showing hundreds of beautiful premiums given free.

Address all letters to SUCCESSFUL FARMING 216 Tenth St., Des Moines, Iowa

I am going to work for the......premium

Stock Interests

LIVE STOCK REPRESENTATIVES.

C. E. SHAPPER, Kansas, Oklahoma and Indian Ter. L. K. Lewis, Kansas and Nebraska GEO. E. COLE, Missouri and Iowa

Feed Grinders.

I would like to know through THE KANSAS FARMER if the feed grinders that grind corn, cob, and shucks are a success? Could I, by using a feed grinder, save buying bran to feed sucking colts and calves? I would like to know if the worm dirt inside the shuck would be harmful to stock? B. F. G.

McPherson County.

No test has even been made at the Kansas Experiment Station of a corngrinder which will grind corn, cob, and husk. We use a great deal of cornand cob-meal, however, and there are many grinders which will grind corn and cob satisfactorily and I have no doubt those which are now being made will do the work guaranteed and grind the husk and all. It costs more in power and time to grind corn, cob, and all, but it is a much safer way of feeding corn to cattle than to feed it in the form of clear chop. The cob contains very little nutrient matter, but has a lightening effect and probably renders the corn more digestible. The character of the nutrients in the cob and husk are such that grinding them with the corn would not take the place of bran. Corn is deficient in mineral matter and also in protein or flesh forming material. Bran is relatively richer in both these materials. If you have a little alfalfa hay available to feed to your colts and calves, you can dispense with the bran, but if your roughage consists of nothing but prairie hay or corn fodder, the colts and calves should have some bran or oats, if possible.

The worm dirt which you mention has been shown to produce quite serious results when very much of it is present. The Veterinary Department traced quite an epidemic of blind staggers to wormy corn which had been fed to the horses. It would not be advisable to feed corn which is very largely affected in this way.

G. C. WHEELER.

Nebraska Circuit Duroc-Jersey Sales.

Nebraska Circuit Duroc-Jersey Sales.

The great opportunity for breeders and buyers of strictly first-class Duroc Jerseys is what is known as the Southeast Nebraska circuit of Duroc Jersey sales, advertised this week only in a rage announcement in this issue by leading breeders of our sister State. We advise our readers to be present or send bids. The series of sales are as follows:

W. H. Haith, of Vesta, Neb., will hold a public sale of Durocs as his farm 9 miles southwest of Tecumseh. Neb., on October 1st. This will be the first sale of the circuit composed of Mr. Haith, W. M. Putman. Elmer Lamb and Miner & Aitker, all of Tecumseh, and F. C. Crocker of Filley. Neb. These sales will contain individuals with a variety of blood lines that should appeal to anyone interested in this great breed of hogs. It has been demonstrated repeatedly in the last few years that we have in Nebraska a type of hog that is second to none as compared with those of other States when it comes to the kind that are the most remunerative to the producer; and that is the kind we are after when it comes down to the facts of the matter. It might be well to mention here that Mr. Haith is the man who paid \$1,259 for a one-half interest in Lincoln Top, the first and sweepstakes boar at Nebraska this year, before he had ever been shown. When men go out and pay what seem to be fabulous prices for an individual they do it because those individuals conform more nearly to the standard that years of experience have proven to be the type that will produce the largest per cent of high priced cuts in the least possible time. Mr. Haith's offering will consist of about 35 head, divided as follows: 6 spring boars, 1 fall year-ling. 2 spring yearling, and 1 2-year-old boar, 10 fall gilts, and 13 aged sows.

W. M. PUTMAN'S DUROC-JERSEY SALE.

W. M. PUTMAN'S DUROC-JERSEY SALE.

W. M. PUTMAN'S DUROC-JERSEY SALE.

We are in this issue of The Kansas Farmer running an advertisement for the sale of W. M. Putman at Tecumseh, Neb. Mr. Putman is well known to the majority of the breeders in the State and his integrity and sense of honor are too well known to need any enconiums at this time. Everyone who knows 'Put.'' as he is familiarly called, knows him to be an all around good fellow, with a great hig heart, and always ready to lend a helping hand or return a favor. The fact that his great boar Lincoln Top won first and sweepstakes at the Nebraska State Fair this year in one of the strongest shows ever held in the State, should at this time add much to the interest that has centered in his herd for the last few years. We have yet to hear the first man to say that the ribbons were not righteously placed when Lincoln Top was given first and sweepstakes. He is a great hog and his owners, Messrs, Putman and W. H. Haith of Vesta, Neb., are men who are justly deserving of the hanors they have won. It will consist of 43 head, all told. These will consist of 20 spring boars, 10 spring gilts, 4 sows with litters by their sides by Lincoln Top and 5 sows will be sold open with the breeding privilege to Lincoln Top. The rest will consist of some very excellent fall yearling sows. Among the spring boars he is offerings are 4 sired by Crimson Jim and out of Tessile Rateman. a granddaughter of The Lad For Me, the sire of Helen Blesse, dam of the

first boar and sows that ever sold for \$1,000 each. One of these pigs is an exceptionally good prospect and will be worth looking after.

ELMER LAMB'S DUROC OFFERING.

ELMER LAMB'S DUROC OFFERING.

This is the first call for the sale of Elmer Lamb of Tecumseh, Neb., on October 3d, in which he will offer a choice let of Durocs to the public. The offering will consist of 15 spring boars, 15 spring glits, and 5 sows. This is a very creditable offering., carries fashionable and popular blood lines and should attract anyone in need of snything in this line. In this offering will be 4 spring glits sired by Hanley and out of the dam Lamb's Ethel May by Great Conqueror. These are a nice, smooth, lot of pigs with neat head and ear, fairly good bone, good backs and quarters, and should grow into something very desirable. Two more glits are by Tip Top Notcher, Jr., and out of a granddaughter of Crimson Wonder. One glit by Ambition, first prize pig at Illinois State Fair 1905 and second in 1906, dam by Big I Am, he by Buddy K. 4th. There is one December glit by Tecumseh Chief, he by Belle's Chief and out of a granddaughter of Orion. The catalogue, however, reveals numerous other treasures. The sale will be held at the farm 7 miles, northeast of Tecumseh. Remember the date—October 3d—and write for a catalogue, mentioning this paper.

MINER & AITKEN'S DUROC SALE.

MINER & AITKEN'S DUROC SALE.

On October 4th at Tecumseh, Neb., Miner & Aitken will hold their fall sale of Duroc-Jerseys. Their ad appears on another page of this issue of The Kansas Farmer, and we wish at this time to call your attention to some of the individuals in their offering. There will be 40 head in the sale, 22 gilts and 18 head of spring boars and one aged boar. The aged boar is Crimson Russell 52463 by Crimson Jim and out of University Russell, He is a very fair individual and will go out and do some man a lot of good. Among the spring boars in the offeiting there will be two boars by Improver II and out of a Billie K. Model dam. There are also 2 by Kant-Be-Beat and out of a daughter of Crimson Wonder. Some of the best pigs in this offering are by Kant's Model, a son of Kant-Be-tBea. Nine of his get go in the sale. They are out of dains that trace to Duroc Challenger, Crimson Wonder, and Chicago Kid. There is also one very promising young boar by Hogate's' Model. The balance of the boar offering is by Crimson Russell and out of an Improved II dam and 9 sired by Kant's Model. There will be 4 by Crimson Russell and out of an Improved II dam and 9 sired by Kant's Model. There will be 1 fail gilts in the sale also, sired by Kant's Model and out of dams carrying blood lines similar to those above mentioned. These young men are deserving of the patronage of their fellow breeders. They have bought good stuff and have paid good prices for it and have taken good care of it at getting it. You will not go amiss by attending this sale and buying something good. The sale will be held at the farm 2 miles east of Tecumseh. Free accommodations will be furnished persons from a distance at the Hopkins Hotel.

F. C. CROCKER'S DUROC-JERSEYS.

F. C. CROCKER'S DUROC-JERSEYS.

This issue of The Kansas Farmer contains the sale ad of F. C. Crocker at Filley, Neb., who will hold a sale of richly bred Durocs at Beatrice, Neb., on October 5th. Mr. Crocker has one of the extra good herds of Durocs. The pigs that he is placing in this offering are growthy, smooth, and certainly possess lots of quality. Their breeding is unexcelled and there is no reason why he should not have an offering that will attract those in the market for something good. In this offering there will be I aged boar and 20 spring boars and 10 spring gilts. The aged boar is Croker's Ohio Chief by Ohio Chief and out of Morrison's Plum. He is a mellow fellow, smooth, has a neat head and ear, good back, and is altogether a good individual. Among the spring boar offering there are 2 by Kant-Be-Beat and out of a daughter of Village Pride. These are two exceptionally good pigs and should be looked after. They are of March 5th farrow. There are 4 young boars by Fashion's Improver and out of a Gold Dust Orion dam. These fellows have stretch, size, plenty of bone, neat heads and ears, and are altogether good prospects. If you can do so make arrangements to be present on sale day. The sale will be held at Beatrice, Neb., and accommodations may be had at the Markel Hotel. Send your bids and they will be handled with care. Write Mr. Crocker for catalogues farmer when writing.

Galloway Sale at American Royal October 18.

The leading Galloway breeders and exhibitors have consigned an exceptionally high-class lot of cattle for the Galloway sale to be held under the auspices of the American Galloway Breeders' Association at Kansas City during the week of the American Royal Live-Stock

Breeders' Association at Kansas City during the week of the American Roval Live-Stock Show.

The offering is not as large as has been in evidence in former years, but the quality is of decided superiority, which is fully attested by the names of the following consignors: J. E. Bales & Son, Stockport, Iowa: Brown & Son, Carroliton, Mo.; Croft & Sons, Bluff City, Kan.; C. E. Clarke, St. Cloud, Minn.; C. S. Hechtner, Princeton, Ill.; G. W. Lindsey, Red Cloud, Neb.; Clelland Bros., New Hampton, Mo.; O. H. Swigart, Farmer City. Ill.; Straub Bros., Avoca, Neb.; D. M. Miller, Warrensburg, Mo.; F. P. Wild, Cowgill, Mo. Further evidence of the merits of this oftering is found in the fact that the association sent a committee to inspect all the leading herds of the country with instructions to select and accept only the best and most useful individuals. That the above-mentioned breeders allowed the committee to top their herds is borne out by the breeding and individuality of the noted animals catalogued for this unique event.

There are only forty-nine bulls, cows and helfers listed. However, one is safe in saying

There are only forty-nine bulls, cows and helfers listed. However, one is safe in saying the merits of this offering far surpass any other offering that has been made at Kansas City during the past decade.

For catalogues address Charles Gray, 17 Exchange avenue, Chicago. They are now ready for distribution, so please secure one at once and inspect and study the richness of breeding of individuals listed.

American Royal Shorthorn Sale.

American Royal Shorthorn Sale.

Stockmen who will visit the American Royal live-Stock show next month will have an opportunity of attending a sale of high-class Shorthorns which will be held Thursday, October 17., under the management of the American Shorthorn Breeders' Association. This offering comprises 55 head of choice cattle they were selected from some of the best herds of the central States. In individual merit this offering will be found to be very desirable, while the breeding is excellent, at least three-fourths being Scotch. This sale will afford a rare opportunity to select choice herd buils, while the cows and helfers will furnish the foundations for other good, profitable herds.

the foundations to the sale are as follows:
The consignors to the sale are as follows:
C. E. Leonard & Son, who offer the produce of
Levender Viscount; S. C. Hanna, who con-

tributes four excellent daughters of Imp. Collivnie; T. J. Wornall & Sons., who offer the produce of Imp. Conqueror; N. H. Gentry contributes the produce of Victorious; H. C. Duncan and W. A. Betteridge each offer five Scotch cows; Abram Renick contributes produce of The Professor; T. K. Tomson & Sons of Gallant Knight; and H. E. Hayes of Ldrd Banff 2d; Harriman Bros. send a Choice Goods heifer and an excellent bull; J. F. Stodder contributes one bull and a good show heifer. Other contributors are W. R. Wilson, A. F. Graves, Fred Cowley, Carpenter & Ross, Case & Newell, G. A. Betteridge, A. W. Barker, W. P. Harned Guilford Dudley, and The Glanoys.

Glancys.

For catalogue of sale write B. O. Cowan, assistant secretary, 17 Exchange Avenue, Chicago, Ill.

The Good Stock Pays.

The Good Stock Pays.

With corn 40 to 50 cents a bushel and land prices getting up into the pictures, the feeder of live stock naturally wants to get the highest market prices for his cattle and hogs. And the American feeder is realizing more keenly every year that those high prices are paid for the cattle and hogs which has distinct and well-developed strains of pure-bred stock in them. Stockmen all over the country, in districts which 10 years ago knew only the lang longhorn or the cadavrous grade steer, have recently demonstrated that wherever the pure-bred herd is substituted, or a pure-bred buil or boar introduced into a common herd, the results in cash receipts are large out of the old-time will turn centrapound of such high class animals. The stockmen can show the dollars and cents for their theories. The beef breeds of cattle, the pork breeds of hogs, have for years and years been bred with the express purpose of getting animals that will put on the most pounds of meat for the pounds of feed row into them. The feeder of today does not put \$40 worthof corn and \$100 worth of worth into a \$50 steer. He keeps the \$75 kinds of cattle that with half the amount of corn and with the minimum and amount of labor and in a third of the old time will turn cents-a-pound corn into six-cents-a-pound beef, and the hogs that toddle around after these steers, do nothing but laugh and grow fat.

The American farmer knows, too, where he can get the proper kind of stock with which to turn his common herds into money she and animals are everywhere acknowlegad to be the greatest on the American Royal Live-Stock show's great sales. These sales of purpored animals are everywhere acknowlegad to be the greatest on the American Royal Live-Stock show's great sales, the breeder who wants good stuff to see there after it. Each side of the bargain has learned to expect that the other fellow will be there, and the sales have thus grown to be a National institution amops live-stock men.

Prize winners in the show are often entered for th

The auction sales of swine are to be held in the swine pavilion on the show ground.

A. T. Garth's O. I. C.'s.

A. T. Garth's O. I. C.'s.

A. T. Garth, of Larned, Kans., is one of the most extensive breeders of this deservedly popular breed of swine in the State. He mas bred O. I. C.'s for a number of years, and finds them perfectly satisfactory. In this time Mr. Garth has done much to improve his herd and the breed in the State. by the purchase of many choice animals.

Kerr Dick, World's Fair champion, also champion at the American Royal 1903, has been in service in his herd for some time, and is assisted by Kerr Nat, Jr., and Big Jim.

ond is assisted by Kerr Nat, Jr., and Big Jim.

Kerr Nat Jr., is a prize-winner, and Big Jim, who was bred by Glimore & Bons, of Fairbury, Neb., won first in class at Iowa, Nebraska, and Kansas State Fairs. Kerr's famcus herd.

The herd sows are an outstanding lot of the best breeding, with both size and quality. Silver, who is now owned by Mr. Garth, was the highest priced sow sold in Dr. Kert's dispersion sale, and Lilly, a prize winner, is famous for her produce.

Mr. Garth has 120 pigs of early farrow that for size, bone, and fleshing qualities can not be excelled by any breed, 100 of these, 50 boars and 50 glits, he is offering for sale through The Kansas Farmer. Look up his card and write him for prices.

Mr. Garth ships only tops on mail orders, and his customers are always pleased with their treatment.

T. K. Tomson & Sons Sell Victor Archer.

T. K. Tomson & Sons of Dover, Kans., sold at the Hutchinson State Fair to Stewart & Downs, of Hutchinson, Kans., the pure Scotch yearling buil, Victor Archer, consideration, \$600,00. Victor Archer, is by Archer, Tomson & Sons, pure Scotch herd buil, and won first award in the senior yearling class at this fair. He will be a valuable addition to Stewart & Downs' already good herd of Shorthorns.

Stayton's Poland-China Sale.

Saturday, October 12, will be Poland China day at Independence, Mo., at which time D. C. Stayton, of Blue Springs, Mo., sells 41 head of pure-bred Poland Chinas consisting of bred and open sows, gilts, and boars. The offering is a good one throughout and represents some of the most popular families of the Poland China breed. This offering is sired by such boars as Proved Perfection, Missouri's Keep On, Grand Perfection, and other good hogs.

Keep On, Grand Perfection, and other good hogs.

Last season Mr. Stayton attended some of the best Poland China sales of the country and was a liberal bidder for the best of the offerings and it is the produce of these good sows purchased at these sales that he offers at action on October 12.

The catalogues are now ready and will be cheerfully mailed to you on application.

A more extended and explicit reading with reference to this offering will be given in a later issue of The Kansas Farmer. In the mean time ask him for a catalogue. Address D. C. Stayton, Blue Springs, Mo., and kindly mention The Kansas Farmer.

Garrison's Combination Breeding and Ringing Crate.

A. B. Garrison of Summerfield, Kans., is advertising in The Kansas Farmer his combination breeding, ringing, and loading crate. This is one of the best crates on the market, and is endorsed by the leading breeders of the country. It is now being used in six constantly increasing. A number of breeders, who use more than one crate, after giving it a trial, have ordered their second crate, and endorse it is the strongest terms. This crate is adjustable to any sized animals: the telescope end sliding in to shorfen, also drawing out to lengthen; this is a feature that no other crate has. This, together with its other good points, makes Mr. Gar-

A Woman's Back

Has many aches and pains caused by weaknesses and falling, or other displacement, of the pelvic organs. Other symptoms of female weakness are frequent headache, dizziness, imaginary specks or dark spots floating before the eyes, gnawing sensation in stomach, dragging or bearing down in lower abdominal or pelvic region, disagreeable drains from pelvic ans, faint spells with general weakness.

organs, faint spells with general weakness. If any considerable number of the above symptoms are present there is no remedy that will give quicker relief or a more permanent core than Dr. Pierce's Favorite Prescription It has a record of over forty years of cures It is the most potent invigorating tonic and strengthening nervine known to medical science. It is made of the glyceric extracts of native medicinal roots found in our forests and connal roots found in our forests and con-tains not a drop of alcohol or harmful, or habit-forming drugs. Its ingredients are all printed on the bottle-wrapper and at-

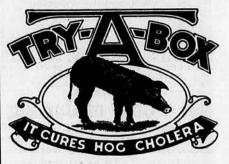
tested under oath as correct.

Every ingredient entering into "Favorite Prescription" has the written endorsement of the most eminent medical writers of all the several schools of practice—more valuable than any amount of non-professional testimonials—though the latter are not lacking, having been contributed voluntarily by grateful patients in numbers to exceed the endorsements given to any other medicine extant for

the cure of woman's ills. You cannot afford to accept any medicine of unknown composition as a substitute for this well proven remedy of known COMPOSITION, even though the dealer may make a little more profit thereby. Your interest in regaining health is paramount to any selfish interest of his and it is an insult to your intelligence for him to try to palm off upon you a substitute. You

know what you want and it is his busi-ness to supply the article called for. Dr. Pierce's Pleasant Pellets are the original "Little Liver Pills" first put up by old Dr. Pierce over forty years ago, much imitated but never equaled. Little sugar-coated granules—easy to take as

If you are Losing Hogs by Cholera, or if Cholera is in your locality, USE



Has never failed where used according to directions.

ALSO A PERFECT PREVENTIVE. Cures Mange, Expels Worms. An Excellent Conditioner. \$1 per pound Can.

Guaranteed or money refunded. MATT BLACK CHEM. CO., McLouth, Kans.

Address B. H. RAGAN, Mgr.

If you have Cholera in your herd, send for us. If we cure, you pay for medicine and our expenses. If we don't cure, it don't cost you one cent.

Alfalfa Mills

for making alfalfa meal, Convert 7 pounds of hay into 20 pounds of meal. It is better in every way than bran, If interested, write. We Sell Pure Meal.

ALFALFA MILL MANUFACTURING CO., Newton, Kansas.

Dispersion Sale

of registered Percheron Stallions and Mares, also of registered and high-grade Red Polled Cattle, at

Wellington, Kans., September 28.

I will sell at auction, on account of my city office taking all of my time, the following animals: Two stallions, five mares, one colt, all registered, and a few grade horses. 31 head of cattle consisting of registered Red Polled cows and bulls, also some highgrade cows and bulls. Write for catalogue.

CHARLES L. COVELL. Sparks and Burger, auctioneers,



Balmoline Co., Sta. B. Abilene, Kan.



A safe, speedy and positive circ.
The safest, ... s s LLSYER
ever used. Removes all bunches
from Wesses. Impossible to
produce scar or bismish. Send
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THE LAWRENCE-WILLIAMS CO., Cleveland, O.

MULES FOR SALE.

About fifty 3-year-olds and thirty 2-year-olds. OHN B. GREER, Marion, Kans.

A RING FREE

I will send to every reader of this paper who will end me their name and address and a 20 stamp a sentiful signer ring, with any initial desired and garantee the ring to wear 3 years. All I sak is that you show it to your friends and tell them about my saper. If you want one of these rings just send me our name and address and a 20 stamp. G. A. Walte 472 Bidge Blook, Kansas City, Mo.

PROTECT AND SAVE YOUR HOGS.

send for my pamph'et. It tells the secret of how to make a hog remedy which will cure and prevent fiscases where many other remedies have failed. I quarantee it will make more pork and do lars for rou or your money refunded. Price one dollar, w. F. Heuser, Shickley, Nebr.

Office Tel. 192

L. M. PENWELL,

Funeral Director and Licensed Embalmer.

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Topeka, Kansas

REVOLUTION PATENTED BUCKLES ...

When used will save more than one-half the cost over old way of repairing harness. No stitching, no riveting. Send 25c to pay for sample assorted set of Buckles, postpaid. Free illustrated catalog. Big profits to agents.

Topeka Buckle Co.

Tepeka. Kansas.



Safety Breeding Crate

It is the simplest, strongest, quickest and easiest to operate. Adjustable to any size boar or sow. Used and recommended by the largest and best breeders in America. Price \$15. More particulars on application. Safety Breeding Crate Co., K. 1420 Center St. Sloux City, Ia,

HOTEL KUPPER

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One of the newest and most centrally located hotel in the city. Absolutely modern in every detail.

European Plan, \$1 per day and up.

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Has graduates selling in almost every state and Can-ada. Our instructors are all auctioneers of national reputation acquired on the auction block. Our grad-lates are also found in the list of high-class and well-list auctions. The search of comparing Instrucctioneers. The result of competent instrucsome of our graduates have made \$150 on a farm sate in a single day. Others are averaging \$500 per mouth. Others have made over 100 farm and die stock sales last season, while others have over 50 fine stock sales booked in advance. One of our Small sale to the sale sale sale sales booked in advance. ome of our graduates have made \$150 on Statistics sales booked in advance. One of our statistics, for a new railroad, from South Dakota to the Pacific Coast. Others are employed to sell merchandse, jewelry and fine art goods. A graduate of our clind is president of the Missouri Auctioneers Association is president of the Missouri Auctioneers Association. cialion, and names of others are found in the list Vice presidents of the International Association Auctioneers. At the last meeting of this Associa-Anctioneers. At the last meeting of this Associa-ion in Kansas City, Mo., one-fourth the attendance are graduates of this school. Our school has more han three times the graduates of all other schools combined. The next term opens November 11, The International Stook Show is during this term and advances of the schools. the International Stock Show is during this term and alloris the hest opportunity in America for live Sack Judging. Tuilton to the school includes four days free admission to the show. Write for free catalogue, mentioning this paper, to

CAREY M. JONES, President 231 Ashland Bivd., Chicago.

When writing advertisers please mention this paper.

rison's crate one of the best that is being offered for sale at the present time.

Mr. Garrison, the inventer, is one of the oldest swine-breeders in the West, and everything about his crate is strictly practical, and it has been thoroughly tested by him.

This crate is made of the best material and will last for years.

No breeder and farmer can afford to do without one. Remember this crate can be used for breeding, loading, and ringing hogs, and ever with a small herd it will pay for itself in a short time.

Write Mr. Garrison for description and prices and say you saw his ad in The Kansas Farmer.

Gossip About Stock.

C. M. Albright, of Overbrook, Kans., is getting results from his advertising, and reports the sale of a Double Standard Polled Durham bull of Enoch Lungren of Linn County.

We are in receipts of a letter from T. J. Warnall. secretary and treasurer of the American Royal Live Stock Show to be held at Kansas City. October 14 to 19, 1907, in which he says it will be bigger and better than at any time. Further announcements about leading features will appear in The Kansas Farmer.

At the Republic Countly Fair, Belleville, Kans., last week, H. B. Walter, Wayne, Kans., won sweepstakes on 6 months Poland-China boar, Stylish Chief, and F. C. Swier-cinsky won sweepstakes on Poland-China sow, J. B. Joines, Civde. Kans., won the Duroc sweepstakes on the boar, Parker's Echo, and Ward Bros., of Republic, won Duroc sweepstakes on sow. In the Berkshires F. C. Hadacheck, Wayne, Kans., won the sweepstakes.

Cummings & Son, of Tecumseh, Neb., report that they have the best lot of pigs that they ever raised. These pigs are nearly all by their herd boar, Oh How Good, and are remarkable for their size and quality. Their pigs have length, good backs, nlenty of bone, fancy head and ears, and give the best of satisfaction. They have some fancy spring boars and some choice gilts for sale, but with the present demand these won't last long. Look up their card and write them for prices and mention The Kansas Farmer.

The attention of prospective buyers of first-class Poland-China swine is called to the eighth sale to be held by M. Bradford & Son in the sale pavilion, Rosendale, Mo., on Thurs-

principles that govern the feeding of foods is presented in a way that attracts to rather than repels from this difficult subject. The pre-eminently distinguishing feature of Part 3, which treats of foods and fodders, consists in conciseness and comprehensiveness of statements. All that is said of any one food with reference to feed different farm animals, is stated in continuity. The method of treatment in Part 4 is unique. Its divisions are an aggregation of considerations that apply to the various phases of feeding, each of which is important, but which have not in most instance the strength of law. In all other books written on feeding these can only be gathered inferentially and after long and varied study.

The author is certainly to be congratulated on the successful manner in which he has accomplished a most difficult task. His book is unquestionably the most practical work that has appeared on the subject of feeding farm animals. We commend it to our readers. No farmer's library will be complete without it.

A Good Sale.

A Good Sale.

Charles Dorr, proprietor of the Gold Standard herd of Durocs located at Osage City, Kans., were second on his aged boar, Ohio Chief, Jr., at the Hutchinson State Fair.

Ohio Chief, Jr., is by Top Notcher and weighs 1,040 pounds and possesses quality as well as scale.

After he had won this award Mr. Dorr sold him to Geo! B. Holcomb, of Peabody, Kans., for \$600.00.

Ohio Chief Jr., has headed Mr. Dorr's herd for several years. Some of his best herd sows and some of his best spring pigs are by him. Ohio Chief, Jr., is a prepotent sire, and his get has always been in strong demand. He will be of great value to Mr. Holcomb as a sire and herd header.

A Beautiful Schiller Plano Free.

Successful Farming, Des Moines, Iowa, offers in this issue one of the most liberal premium offers ever put out by an agricultural paper. They offer in the first place choice of a beautiful upright, mahogany-finish, Schiller piano, illustration of which is shown in this issue, beautiful brown and white spotted Shetland pony with cart to match and tan harness all complete, or a complete bedroom and dining-room equipment, consisting of 100-place set of dishes, six dining-room chairs, an elegant dining-room table, china-



day, October 3, 1907. This offering includes 32 boars and 18 sows, of which Messrs. Bradford says: "We are offering as good a lot of money-making Poland-Chinas as was ever put in the sale ring. Every animal is a descendant of large prolific ancestry, possessing great size, bone, and smoothness. All the spring pigs are sired by John L. EX 41065. He was sired by Pan. Jr., by Expansion and out of Whiteface ex. He is a neavy-boned type boar, weighing 900 pounds. The yearlings in the sale were sired by Queen's Perfection 34250 by Nodaway Perfection out of Queen of the West. Breeders and buyers are cordially invited to attend this sale and send for satalogue.

J. B. Davis, of Fairview, Kans., who breeds Red Polls and Durocs, reports that his herd is doing well. He has 100 crackerjack pigs, both sexes, now ready for shipment, among these are some fancy boars and choice gilts. If you will order early you will get the best of these. Mr. Davis' motto is "first come, first served." His Red Polls are also coming on nicely and proving more than satisfactory. Mr. Davis recently purchased a very fine helfer from' McKelvie & Son, of Fairfield, Neb., and she won third in class at the Nebraska State Fair. Mr. Daivis' herd is increasing and he will soon be able to supply the demand in his section for this popular breed, of cattle. Look up his card in The Kansas Farmer and write him for prices and description. Everything for sale will be priced right.

Feeding Farm Animals.

A practical guide and standard reference on the subject of feeding farm animals, by Prof. Thomas Shaw, late professor on Animal Hus-bandry at the University of Minnesota, Pub-lished by Orange Judd Company, New York, Illustrated pages, 5½ by 8 inches. Cloth. Price \$2.

Price \$2.

Prof. Shaw has succeeded in giving in regular and orderly sequence and in language so simple that a child can understand it, the principles that govern the science and practise of feeding farm animals. This book is intended alike for the student of the agricultural college and the farmer. It is 'the first attempt of the kind that has even been made. A hasty consideration of the plan and scope of the work will show its pre-eminently valuable character. It is divided into four well-defined parts.

In Part 1, the principles that relate to successful feeding which have the strength of law, are discussed. They must be observed if success is to follow. It is the first attempt that has ever been made to state the principles in a collective manner. In Part 2, type is dwelt upon, not as is ordinarily done with preference to the finished animal, but to the animal to finished or developed, and the

closet, a large bed, dresser and commode to match. All of this furniture and dishes is one premium. Your choice of these premiums is given for the largest number of subscribers sent during October alone. It is not necessary to work all winter to earn one of these premiums as the contest closes at the end of October, every letter being mailed on or before the 3ist.

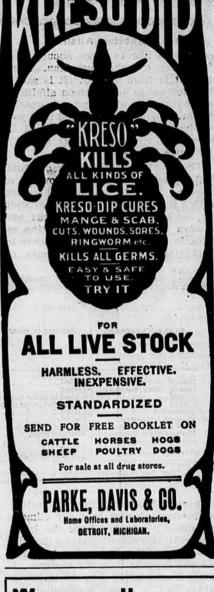
Aside from these premiums they offer \$100.00 cash as second premium, \$50.00 as the third, a number of beautiful 45-inch heating stoves, sending five of them to those sending the next largest lists, and in addition to all this twenty-five sets of dishes to the next twenty-five, making a total of thirty-eight of the top and by doing so they win one of these Grand Special. Premiums. In fact, with a small effort they can stand first and win choice of the big premiums offered.

In addition to all these premiums for big-set clubs. Successful Earning has lessed events.

effort they can stand first and win choice of the big premiums offered.

In addition to all these premiums for biggest clubs Successful Farming has issued a large catalogue containing hundreds of premiums ranging all the way from needle cases to incubators, stoves, guns, etc. These premiums are given for every club sent in. There are a few of these shown in their large display advertisement in this issue on page 1061, but our readers should write them for copy of their large catalogue contained hundreds of premiums, full descriptions of which are given together with illustrations, showing the premiums. They give books, guns, watches, in fact anything and everything that a person might wish. They give premiums for as low as one subscriber and from that up to several hundred. We would earnestly urge every reader of our publication to clip the coupon found on their advertisement on page 1061, and mail it to Successful Farming. Des Molnes, Iowa, upon receipt of which they will send, you their large illustrated catalogue, and also large pictures of the big premiums offered for the subscribers received during October.

When writing advertisers please mention this paper.



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 hox 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
cholers, blackteg and all diseases arising
from imperfect
digestion. Taylor's Stock

Tonic so we will send us this advertisement.

In 30 days you will send us this advertisement.

In 30 days you will send us this advertisement, 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 to-day and send it to us. F. J. TAYLOR CO.,

361 Live Stock Ex., Kansas City, Mo.



DR. W. J. CONNER, LABETTE, KANSAS. Breeder and Shipper of

MULE-FOOTED HOGS

THE COMING HOGS OF AMERICA. are the best rustlers in the world. Pigs from 10 to 16 weeks old \$30 per pair. Write for particulars.

DOWLING'S FISTULA AND LUMP JAW CURE.

A scientific remedy and cure for fistula, poll-evil and lump jaw; price si per bottle. Used by stockmen everywhere. When ordering state how long affect-ed, if fistula, poll-evil or lump jaw; whether swollen or running. Give par iculars; also express office.

W. T. Dowling & Co., - St. Marys, Kans.



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 rinking or loading hogs. bade 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-

Agriculture

Turkestan Alfalfa.

I would like to know about the alfalfa they call the Turkestan. I suppose it is from Turkey. It is said to be superior to our common alfalfa for upland and to withstand dry weather better. Have you ever tried it at your station; if so, have you any seed for L. D. ELLIOT. sale?

Barber County.

The Turkestan alfalfa came originally from Turkestan, a province of Russia. This is a semi-arid region with a soil and climate somewhat similar, perhaps, to western Kansas and eastern Colorado. The Turkestan alfalfa is said to have been grown in Turkestan for a hundred years or narrow hoe or sharp spud, cutting the roots off several inches below the surface of the ground.

This weed grows from the roots as well as from the seed and the thickened root stocks must be removed in order to destroy the plants. Buck Plantain will not be destroyed by seeding Blue grass and White clover. In fact it is a pest in lawns and is not destroyed by pasturing. The best way to destroy the weed is to plow and thoroughly cultivate the land for a couple of years with hoed crops.

A. M. TENEYCE.

Fertilizers.

Will you please advise me as to the probable benefit of using some commercial fertilizer on my upland prairie for cropping to wheat? The land has been cropped continuously for thirty-five years without much stable manure. The crops have been a periment, since the trials have been made each year in a different field, but always in a field which had grown corn the previous season.

The results of the trial for the several years are given in table VIII.

The trials of 1903, 1904, and 1905, with Kansas Sunflower and McAuley corn, were conducted on old land which had been farmed many years without manure or other fertilizer. The 1906 trial with the Hildreth corn was on alfalfa land, the second crop after breaking.

As an average for the four seasons, the method of listing early in the spring and splitting the ridges at planting time has given an increased yield of 5.02 bushels of corn per acre when compared with the land which received no early cultivation. There is no appreciable difference in the average yields from other early treatments, although the disked-harrowed

TABLE VIII. - Preparation of seed-bed for corn and listing versus surface planting.

	Yield per acre.										
EARLY TREATMENT.	Method of planting.	1903. Kansas Sunflower.		1904. Kansas Sunflower.		1905. T McAuley.		1906. Hildreth.		Average, 1903-'04-'05-'06.	
		Stover,	Grain. bu.	Stover, lbs.	Grain, bu.	Stover,	Grain, bu.	Stover, lbs,	Grain, bu.	Stover,	Grain.
Disked twice	Listed	3628 3142	68.63 65.18	9008 2528	55.12 50.27	2580 2920 2700	34.74 41.48 44.00	5831 5974 6428	70.29 75.34 80.10	3636 . 3641	17.10 58.00
Listed	Listed in same furrows Listed, breaking ridges	3099 3468 2802	74.28 64.14 61.26	2856 3277 2919	52.37 58.35 54.98	3344 3160	40.40 38.17	9109† 5556 5704	82.29 68.61 84.23	4603 3845	63.34 57.33
Plowed shallow, harrowed Plowed deep, harrowed	Surface planted	3918	78.74	4394	70.95	3480 3360	42.40 41.66	5472 5468	71.90 81.69	4,285	67.01
Averages	ListedSurface planted	3128 3918	66.63 78.74	9917 4394	54.91 70.95	2941 3420	39.76 42.03	6840 5470	76.80. 76.80	3833 4301	59.25 65.88

*Test was in another field, but yield made comparable by listed check. †Corn greener when cut, and perhaps not so well cured when hauled as fodder of other plots.

more and thus the strain or variety has become adapted to a dry climate and soil. It appears from the trials at several experiment stations that the Turkestan alfalfa is hardier to resist cold and drought than our common alfalfa. It stands the winters in North Dakota, and is grown successfully in western Nebraska and Kansas. However, no extensive trials have been made with this variety of alfalfa in Kansas, so far as I am informed. A small plot of Turkestan alfalfa on upland at the Fort Hays Experiment Station, Hays, Ellis County, Kansas, has stood three years and is now in good condition. I believe, however, that it has produced no better than the common alfalfa sown in an adjacent plot.

We have a small plot of Turkestan alfalfa at this station which has been planted now four years. It has not yielded quite so well as the common alfalfa growing upon an adjacent plot, but it appears to be hardy and is today in good condition.

It is difficult to secure pure seed of the Turkestan alfalfa. The U.S. Department of Agriculture, Washington, D. C., may be able to supply you with a limited amount of the Turkestan or other varieties of dryland alfalfa. We have no alfalfa seed for sale.

A. M. TENEYCK.

Buck Plantain in Red Clover.

Is it too late to sow alfalfa by October 1st in Anderson County? Would also like to know the best way to kill Buck Plantain in Red clover. Could I kill it out by sowing Kentucky Blue grass and White clover? Would this W. M. DARY. smother it out?

Anderson County.

It will depend upon how late warm growing weather continues in the fall as to whether October 1 will be too lete to sow alfalfa in Anderson County. If the seed-bed is well prepared and there is a plentiful supply of moisture with warm growing weather during October, seeding as late as the first of October may give good results. There is danger, however, that the alfalfa sown so late will not make sufficient growth to stand the winter. For more detailed information regarding the seeding of alfalfa I have mailed you a copy of Circular No. 10.

If there is considerable Buck Plantain scattered throughout the clover field it will be best to plow the field and plant with corn or other cultivated crops next season, permitting no plantain to mature seed. If the clover field is newly seeded and the weeds are not too thick it is best to remove them by hand digging. For this purpose use a

rotation of wheat two years, corn three years, oats or flax one year, and so on. If you think advisable to use some fertilizer what kind, and how much shall be used, and when had it best be applied? The land was cropped to oats this season. PERER L. LEUSZLER.

Washington County.

I have mailed copies of Circulars Nos. 2 and 3 on fertilizers and manures, and Circular No. 5 on rotation of crops. I would advise you to seed this land to alfalfa or grass as a rotation, manuring the alfalfa or grass in preference to fertilizing the land for What your land needs is humus. It has been farmed too long with cultivated crops and ought to be returned to grass or alfalfa. You will find a discussion regarding the use of fertilizers for wheat in the pamphlets A. M. TENEYCK. referred to.

Indian Corn.

FROM KANSAS EXPERIMENT STATION BUL-LETIN 147.

A. M. TENEYCK AND V. M. SHOESMITH. (Continued from last week.) PREPARATION OF SEED-BED.

An experiment in preparing the seed-bed in different ways for planting corn was begun in 1903. Choosing a piece of corn-stubble land, the field was laid off in equal areas of about one-half acre, and the following treatment was given in the early part of April: One plot was double-disked, another plot was double-disked and harrowed, a third was listed in furrows three and one-half feet apart, and a fourth plot was plowed and har rowed after plowing, while the fifth plot was left as a check and received' no treatment. Early in May this field was planted to corn with a lister. In plot 3, which was listed in the spring, the ridges were split at planting time, when the corn was planted in the new listed furrows.

This experiment was repeated in 1904, and again in 1905, while several additional treatments were introduced. viz., one plot was plowed deep (six to eight inches), and another shallow (three to four inches), and both planted with the surface planter. Another plot was plowed and planted with the lister, while one plot was listed early and the corn planted in the same furrows at planting time, and in the other listed plot the ridges were split at planting time as in previous experiments. The preparation treatment was always given early in the spring, as soon as the soil was in condition to cultivate.

The continuous effect of the several treatments are not shown by this ex-

ground has given a slightly larger average yield than the check plots.

The average yields of stover have varied in about the same proportion as the average yields of corn, with the exception that the untreated land ranked second in yield of stover and third in yield of corn.

By comparing the yields of corn for each of the several seasons it will be observed that the plot which was listed early and the ridges split at planting time gave the largest yield in 1903 only, but has ranked high in yield each year. In 1904 the untreated plot gave the largest yield of any of the plots in the series, while the disked plot ranked second. The plot which was listed early and planted in the same furrows produced the most corn in 1905, while the disked-harrowed plot ranked second. In 1906 the plots giving the highest yield were as follows: First, plowed-harrowed; second, listed early, breaking ridges; third, listed early and planted in same fur-

It appears, therefore, that with the different treatments the results may vary with different seasons. On the whole, the early cultivation with the disk and harrow has not increased the yield enough to pay for the extra labor. It should be remembered, however, that these trials have been carried on during seasons of plentiful moisture supply early in the spring, except in 1906, when there was a lack of moisture for several weeks previous to and after planting the corn. It will be observed, also, that in 1906 each of the early cultivation treatments apparently caused an increased in yield when compared with the untreated check plot, ranging from 2 to 7 bushels, for early disking, to 12 and 14 bushels, for early listing, to 16 plowing. Thus, early cultivation has given beneficial results when there was need of conservation of soil moisture, but the early disking has had less effect than the early listing or

On the whole, early listing seems to be the most practicable early treatment when the purpose is to plant the corn with the lister. Early plowing is less desirable than early listing, since plowed ground does not list well. It is a question which is better after early listing: to split the ridges at planting time or plant in the same furrows. It has been urged in favor of the last method that the soil warms up earlier, producing more favorable conditions for sprouting the corn in the bottom of the early listed furrows

-'irst Aid" to the Bowels

THEN Heartburn, Sour Stomach, Headache, Bad Breath, coated Tongue, Belching of Stomach, Gas, or any of these forerunners of Indigestion appear, Old Dr. Cascaret wants to be right on the spot in your pocket.

Dr. Cascaret guarantees to cure the most obstinate cases of Constipation and Indigestion, without discomfort or inconvenience.

His medicine does not gripe nor purge, but exercises naturally the muscles that line the walls of the Intestines and Bowels. * *

Want of Exercise weakens and relaxes the Bowel-Muscles, just as it weakens Arm and Leg muscles.

Old Dr. Cascaret goes directly after these Bowel-Muscles. He wakes them up just as a cold bath would wake up a lazy person.

Then he works them (through the nerves) till they get so strong from that Exercise that they don't need any more help to do their duty.

Heavy dinners, late suppers, whiskey, wine or beer drinking, nervous excitement, sudden exposure to cold or heat and a dozen other everyday likelihoods tire the Bowel-Muscles.

In such cases a little Cascaret in time is worth fifty dollars worth of Treatment later on, to say nothing of the suffering, discomfort, loss of Business Energy, and loss of Social Sunshine it saves.

Little thin Cascaret Box, shaped so you don't notice its presence in purse or vestpocket.

*

Contains six Candy tablets-Price Ten Cents a Box at any Druggist's.

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

New and Liberal Homestead Regulations In ESTERN CANADA **New Districts Now Opened** for Settlement

for Settlement

Some of the choloest lands in the grain-growing belts of Saskatchewan and Alberta have recently bees opened for settlement under the Ravised 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 proty, 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 Deminien Lands is Manitche or the Northwest Provinces, excepting 8 ass 26, not reserved, may be homesteaded by any perses the sele head of a family, or male ever 18 years of sec, to the extent of one-quarier section, of 100 acres, more or less."

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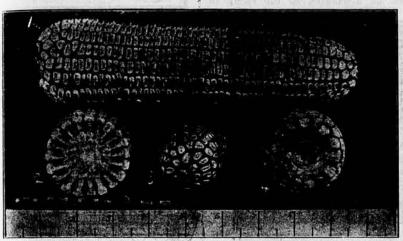
than is at plant is a ter in the which, favor a early g observe 1906 W were n the ear quickly was se than th

SEPTEMI

furrows packed is plan cultivat when t than is secured by splitting the ridges at planting time. Perhaps, also, there is a tendency to accumulate moisture in the bottom of the listed furrows which, together with the warmer soil, favor a rapid germination and strong, early growth of the corn. This was observed to be the fact in 1905 and 1906 when these comparative tests were made, that the corn planted in the early listed furrows started as quickly as surface-planted corn and was several inches higher on June 1 than the listed corn planted in new furrows. If the ground has become packed with heavy rains, or if the corn is planted late and the land requires. cultivation, better split the ridges when the corn is planted.

yields, especially if the season is wet. Corn planted in cold, wet soil in the bottom of listed furrows is placed at a disadvantage and often makes a slow, backward growth during the early part of the season, but it has the advantage of surface-planted corn in the latter part of the season, especially if dry, hot weather prevails, since the roots of listed corn lie deeper in the soil, and are protected with a thicker soil mulch than the roots of surface-planted corn, which are often exposed above the surface of the ground and can only be covered by hilling the corn, which removes the soil from between the rows, leaving the deeper roots exposed and the

ground furrowed and open, favoring



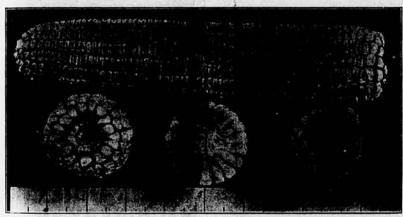




Fig. 3-Boone County White. PLATE II-TYPICAL BARS.

The early listing certainly puts the ground in excellent condition to catch and store the rain and to conserve the moisture already in the soil, and the listing may be done any time during the fall, winter, or early spring. The Practise has been to plant the corn in sted furrows, crossing the rows of the previous planting.

LISTING VERSUS SURFACE PLANTING.

Comparing the methods of planting, as an average for the four seasons the surface-planted corn has yielded 6.65 bushels more corn and 469 pounds more stover per acre than the listed corn. This result is largely due to the greater yields from the surface planting in 1903 and 1904—two very wet seasons. The listing method of lanting is best adapted for light, warm soil, dry seasons, or dry climate. Also, listed corn may usually be more cheaply planted and cultivated than surface planted corn, and is preferred n Western and central Kansas; and when large areas are cared for with small amount of labor, listing may preferred in eastern Kansas, but Surface-planted corn, in a well-pre-Pared seed-bed, may give the larger

evaporation of soil moisture. Listed corn is more easily cultivated and kept free from weeds than surfaceplanted corn, and also has the advantages which result from level culture, since the plan is to gradually fill the furrows during the season, leaving the ground level at the last cultivation.

SURFACE PLANTING WITH FURROW OPENER.

By the use of the furrow opener attachment to the surface planter some of the advantages of listing corn may be secured with less of the disadvantages. One of these attachments, the Dempster disk-furrow opener, has been tested during the past two years in comparison with surface-planting corn. In 1905 this trial was made in three different fields, with three different varieties of corn, with the resulting yields:

As an average for the three trials the corn planted with the Dempster attachment yielded 4.91 bushels more grain per acre than the listed corn and 1.3 bushels more grain than the surface-planted corn. The yields of stover were not determined except for



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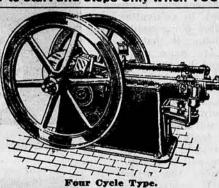
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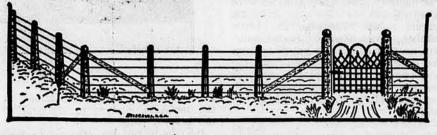
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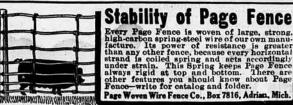
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the Silvermine corn, and were similar for all plots.

early plowing and early listing apparently saved more water than the disk-

CHANGE TO SERVICE THE PARTY OF	Yield of corn per acre.							
HOW PLANTED.	Hildreth. bushels.	Silvermine, bushels.	McAuley. bushels.	Average, bushels.				
Dempster disk-furrow opener Surface planted	52.30 46.41 43.90*	48.92 45.68† 43.21*	58.50 63.73 57.88	53,24 51,94 48,33				

*Not planted in this field, but yields calculated by surface planted check in another field; preparation of seed-bed trial.

Average of all cultivation piots.

All the ground, except that planted with the lister, was plawed in preparing the seed-beds

for the above plantings.

yields were not secured from this trial in 1906. However, the notes taken during the season indicated that the disk-furrow planting would again produce the largest crop. It was noted each season that the corn planted with the disk-furrow openers sprouted quicker and made a more vigorous. early growth than the surface-planted corn, and this ranker growth was observed throughout the season. There is an advantage, also, in cultivating the disk-furrow planted corn, similar to that secured by listing, in that the weeds in the row are more easily covered and destroyed by the early cultivation than is the case with surface-planted corn. Also, there may be a similar advantage, as obtained by listing, in that the corn roots lie relatively deeper in the soil and are covered with a greater depth of mellow soil at the last cultivation when the corn is laid by. It is well to remember, however, that when the furrow openers are used it is necessary to plow the land and prepare a good seed-bed the same as for surface planting, and also that it requires four horses to operate the corn-planter with the furrow-opener attachment.

Experiments carried on at this station in 1892-'96, as reported in Bulletin No. 64, gave results favoring listing as compared with surface planting as follows:

Listing, average yield, 29.47 bushels per acre.

Surface-planting, average yield, 27.49 bushels per acre.

CONSERVATION OF SOIL MOISTURE BY EARLY CULTIVATION.

Some study of the moisture content of the soil of the several plots has been made each year in connection with these experiments. In 1903 soil samples were taken April 1, before the preparation treatment was begun, and again May 9, soon after the corn was planted. No appreciable saving of moisture was observed from any of the early cultivation treatments except the plowing, which showed a gain of 21/2 per cent of water in the first foot of soil and 0.87 per cent in the first six feet, compared with the check plot. All of the treated plots made slight gains in the surface foot of soil.

A more complete soil moisture test was made in 1904, when samples were taken March 14, May 2, June 29, August 2, and September 28. Little difference was observed in the mois-ture content of the several plots from the later samplings. Comparing the first two sets of samples, it appears that the treated plots, compared with the check plot, gained in moisture as follows:

The state of the s	Gain in
Early Treatment	moisture, per cent.
Disked	1.14
Listed-ridges split at planting.	3.82
Plowed—harrowed	1.56
planted	1.98

These gains in moisture occurred usually in the first and second feet of However, the early listed ground showed a large gain of moisture also in the third foot of soil. The

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Through an accident the correct ing. No moisture samples were taken from the plots in the spring of 1905, and the later samplings showed

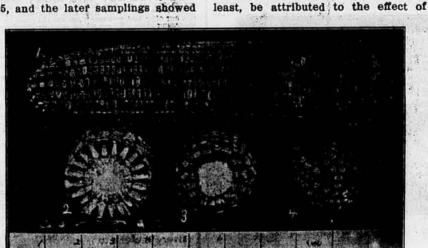


Fig. 1-Hildreth.

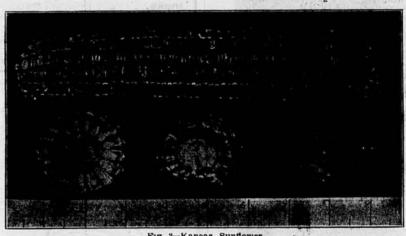


Fig. 2-Kansas Sunflower.

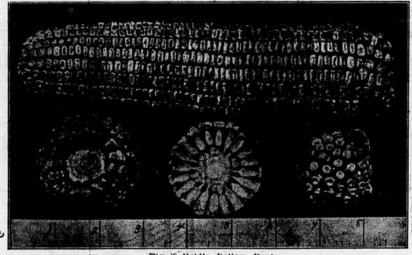


Fig. 3-Reid's Yellow Dent. PLATE III-TYPICAL EARS.

no regular or marked variations in the moisture content of the soil of the several plots.

In 1906 a full set of samples was taken April 16, but no samples were taken again until June 28. At that date the treated plots, compared with the check plot, contained more or less moisture in the first six feet of soil as

	loss in
	moisture a
	compared
	with
The state of the s	check plot
Early Treatment	per cent.
Disked	+2.43
Disked-harrowed	+3.61
Listed-planted in same fur-	10.01
	1 4 40
rows	+1.40
Listed-breaking ridges at	N. W. C. W.
planting	+0.61
Plowed-harrowed	-2.79
	-4.10
Plowed shallow, surface	ti line selecti
planted	-2.79
Plowed deep, surface planted	+0.65
Trough marriage bimiredi.	

All of the treated plots except the plowed ground showed decided gains in moisture. The gains were irregularly distributed, the disket plots showing more moisture in the surface the greater supply of moisture resulting from the early cultivation.

(To be continued.)

8

Remarks on the Seasonal Occurences of Some Injurious Insects in Northern Texas.

BY E. S. TUCKER, FIELD ASSISTANT IN CHARGE OF GREEN RUG LABORATORY. PLANO, TEX., UNDER DIRECTION OF THE TEXAS AGRICULTURAL EXPERIMENT STATION.

GREEN BUGS AND THE SO-CALLED KINDS.

Since the first week of May when my work in the geen bug investigation began with the establishment of a field laboratory two miles west of Plano, Collin County, under the direction of the Texas Agricultural Experiment Station, many kinds of plant-lice





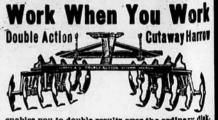






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have been brought to my attention, beng in every case called "green bugs" by the persons reporting them. All of the specimens examined proved to he some other kind than the disastrous grain pest (Toxoptera graminum), to which my researches are being ap-Trees and ornamental plants plied. harbored most of these so-called green bugs." Colonies of the corn ouse (Aphis maidis), attracted particular attention late in June by their appearance mainly on the upper leaves and green tassels of corn. For a while the occurrence of this foe was frequently mentioned by farmers, who generally intimated by saying, "The green bugs are on my corn," that the grain enemy had invaded their corn fields. People in general seemed to be unable to distinguish any difference between the two kinds and needed to be assured of the fact. As no extensive injuries attended the presence of this Aphis in the corn fields, although it became quite well distributed during July, further heed of it soon ceased.

The real green bugs had about disappeared from the surviving fields of small grain at the time of my arrival; scarcely any wheat had escaped destruction from their ravages, and oats fared but little better. In a field of ate oats, small and scattered colonies of the native grain louse (Siphocoryne avenae), were found on my first inspections in May, and winged forms were observed ready for flight June 27, in ripening fields. But the occurrence of the true green bug (Toxopera graminum), barely came to notice in the same period. The particulars regarding its life, however, are being learned by means of breeding experiments in connection with field observations.

OTHER PESTS OBSERVED.

While searching for green bugs in various situations, various kinds of ther insects whose presence endangers agricultural interests have been encountered. Only the more important ones need be mentioned here.

The chinch bug (Blissus leucopterus), attained maturity in late oat fields, but the restricted acreage of the wheat almost deprived it of the oat crop as well as of its first choice in food plants and breeding grounds, so that it did not occur abundantly enough to cause any concern.

PEACH ENEMIES.

A partial yield of early peaches in this section of the country suffered badly from infestation by worms of the curculio, (Conotrachelus nenuphar). No other enemy of the peach appears equal to this pest in extent of prevaence and consequent harm, excepting in localities where San Jose scale has gained supremacy. Peaches comprise the principal fruit grown here, and then only in a small way for individual supply. The prospect for successful growing is not at all encouraging unless some means are enforced which will control this insect. Only a very slight percentage of the yield escaped its attack, one and sometimes two worms in a peach being ordinarily found. The foul cavities produced by these worms in gnawing along close to the stone necessitated the cutting out of much waste matter from most of the fruit that was used. Since the wormy fruit ripens prematurely, beginning in June, the better part of the yield remained for later pickings in July, thus allowing a period of three or four weeks in which the fruit was as it ripened. Owing to the shortage in the yield, perhaps extra care was taken this year towards prompt gathering of the fruit at a stage approaching ripeness, so that a firm condition could be secured, especially for preserving purposes. By following such a course, few windfalls were permitted, and those left on the ground commonly met destruction as food for chickens. However, chickens should not be depended upon for destroying the worms, because a chicken may feed too closely or not completely any one of the fallen peaches. Meanwhile the worms have a chance to pass into the ground, there to undergo transformation into beetles which appear the following spring and lay eggs hatching out another generation of worms. Effective disposal of all wind-

falls is advisable. Hogs turned loose in an orchard prove to be efficient agents for complete as well as prompt destruction of all fallen fruit.

The elimination of worms from infested but otherwise usable fruit subjects an immense number of the pests to possible death. Carelessness in throwing away the peelings together with other waste matter when mixed with living worms may still afford these offensive creatures an opportunity to live and mature, provided they can enter suitable ground. Great numbers doubtless perish, especially when the leavings are fed to hogs, but the probable curtailment in this way does not seem to be effective enough to cause any appreciable mitigation of their havor from year to year. The danger from even a few adult curculios is evident by their thorough conquest of this year's crop.

Another peach enemy, called the fig-eater, (Allorhina nitida), revealed itself in July, first on stalks of low branching sunflowers, and later in a willow tree. In the absence of any complaint made of its attack upon peaches this year, it nevertheless assumed a threatening position. It is reported as occuring in greater numbers during wet seasons than in others having much dry weather. As many as twenty-five beetles have been seen to feed together on one peach. A cluster of these feeders will wholly consume a peach in three to four days.

UNDERGROUND PESTS WHICH DEVELOP INTO

LEAF DESTROYERS. White grubs and June beetles hardly attracted the attention of farmers beyond the fact that hogs were induced to root up sod ground in a pasture for the purpose of finding and eating the grubs, which live on the roots of grass. An incident happening on July 13th, when a grub was found nearly exposed on the ground, which, at the time, was wet and soft from rain, indicates that the grubs are apt to work up close to the surface under such conditions. Probably the grub was preparing to form a cell where it could change into a beetle, without being imprisoned too deep in the ground when ready to emerge. No beetles appeared earlier than in June, and being night flyers. they noisily announce themselves wherever artificial lights allure them. Elm trees growing near the laboratory seemed to afford a favorite resort for the large form known as Lachnosterna torta, which predominated almost exclusively above any other kind. The loud buzzing noise produced nightly by these beetles in flying amid the foliage proclaimed them in throngs during July and August. Apparently the trees have suffered to some extent in consequence of their visitations, as a considerable number of the leaves have been reduced to mere remnants, showing the probable effect produced by the beetles in feasting thereon.

ALFALFA FOES.

Damage caused by web-worms in alfalfa fields came to notice on July 23rd, at a farm within two mlies of the laboratory. Two small tracts, aggregating about ten acres, had yielded not more than four and one-half tons of alfalfa hay, when the crop should have amounted to seven tons. The owner stated that the loss planly resulted on account of the despoiling of plants by hordes of web-worms. His statement was substantiated by finding webworms still present in various stages of growth, hiding under litter and lumps of earth at the surface of the there evidently shielding them selves from the direct heat of the sun. because the plants, being cut close to the ground, afforded practically no shade. The parent moths, probably Loxostege similalis, flew up in numbers before the feet of a person at nearly every step taken in the fields. The same kind of moths have been quite regularly attracted to light of the laboratory at night, besides being commonly observed in weedy stubble fields and roadsides.

THE WORST ENEMY TO CORN A MENANCE

TO COTTON.

The farmer mentioned above also spoke of the injuries to corn ears committed by the corn ear-worm, (Heliothis obscura), which later in the season goes under the name of boll-worm in cotton fields. An inch of waste on





Patent applied for.

Destroy the Gophers

In Your Alfalfa Fields by Using

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This apparatus forces a deadly gas through their runways and is warranted to kill gophers within 100 feet of operation. With it a man can clear from five to six acres of gopher-infested land in a day at a cost of twenty cents per acre. The poison we use can be gotten at any drug store. Batisfaction guaranteed or money refunded. Complete outfit for \$5.

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most of the ears amounts to considerable loss, so this farmer declared. Another farmer in referring to this enemy stated that as only the tip of the ears was ever affected, and the kernels destroyed were not always the best in quality, he could afford to make due allowance without complaint. Excepting early varieties of corn which showed few blemishes of the sort, scarcely one out of every six ears of the ordinary field crop is free from attack by the corn ear-worm. In nearly all cases, but one worm has infested an ear, so that in rare instances have two worms channeled in the same ear. Artificial light frequently allured the moths at night.

THE PRINCIPAL GABBAGE ENEMY.

The imported cabbage worm, (Pontia rapae), must be held accountable for the riddled condition of cabbages seen in gardens during July. Worms and chrysalids taken from the plants served to convince one farmer that these stages represented the development of the common butterflies which fluttered about the patch. Severe depredations were sustained in two week's time. In another garden, wood ashes had been dusted over the plants, but evidently this treatment had been enforced too late, though possibly such application might defer further ravages somewhat.

FEEDING FARM ANIMALS

THE MOST TEACHABLE BOOK BY FAR EVER WRITTEN ON THE SUBJECT OF FEEDING

By PROF. THOMAS SHAW

Author of "The Study of Breeds," Etc. "Animal

Breeding." Etc.

The author has succeeded in giving in regular and orderly sequence, and in language so simple that a child can understand it, the principles that govern the science and practice of feeding farm animals. This book is intended alike for the student of the Agricultural college and the farmer. It is the first attempt of the kind that has even been made, and even a hasty consideration of the plan and scope of the work will show its pre-eminently valuable character. The simple, rational, orderly and comprehensive character of the treatment of an involved and many-sided subject is evidenced even in the following condensed table of contents: In Part I, the principles that relate to successful feeding which have the strength of law are discussed. They must be observed if success is to follow. It is the first attempt that has ever been made to state these principles in a collective manner. In Part II, type is dwelt upon, not as is ordinarily done with reference to the finished animal, but to the animal to be finished or developed, and the principles that govern the feeding of foods is presented in a way that attracts to rather than repels from this difficult subject. The pre-eminently distinguishing feature of Part III, which treats of Foods and Fodders, consists in conciseness and comprehensiveness of statements, all that is said of any one food with reference to feeding different farm animals, is stated in continuity. The method of treatment in Part IV is unique. Its divisions are an aggregation of considerations that apply to the various phases of feeding, each of which is important, but which have not in most instances the strength of law varied study.

The author is certainly to be congratulated on the subject of feeding farm animals.

THE KANSAS FARMER CO.

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Home Departments

Rock of Ages.'

"Rock of ages, cleft for me,"
Thoughtlessly the maiden sung;
Fell the words unconsciously
From her girlish gleeful tongue;
Sang as little children sing;
Sang as sing the birds in June;
Fell the words like light leaves down
On the current of the tune—
"Rock of ages, cleft for me,
Let me hide myself in Thee."

"Let me hide myself in Thee,"—
Felt her soul no need to hide—
Sweet the song as song could be,
And she had no thought beside;
All the words unheedingly
Fell from lips untouched by care,
Dreaming not that they might be
On some other lips a prayer—
"Rock of ages, cleft for me,
Let me hide myself in Thee."

"Rock of ages cleft for me,"—
'Twas a woman sung them now,
Pleadingly and prayerfully,
Every word her heart did know.
Rose the song as stormtossed bird
Beats with weary wings the air.
Every note with sorrow stirred.
Every syllable a prayer—
"Rock of ages, cleft for me,
Let me hide myself in Thee."

"Rock of ages, cleft for me."—
Lips grown aged sung the hymn;
Trustingly and tenderly,
Voice grown weak and eyes grown

Lips grown
Trustingly and tenderly.
Voice grown weak and eyes grown
dim—
"Let me hide myself in Thee."
Trembling though the voice and low.
Ran the sweet strain peacefully.
Like a river in its flow;
Sang as only they can sing.
Who life's thorny path have prest;
Sang as only they can sing.
Who behold the promised rest—
"Rock of ages, cleft for me."—
Let me hide myself in Thee."

"Rock of ages, cleft for me,"—
Sung above a coffin lid;
Underneath, all restfully.
All life's joys and sorrows hid;
Nevermore, O, storm-tossed soul!
Nevermore from wind or tide,
Nevermore from billow's roll,
Wilt thou need thyself to hide.
Could the sightless, sunken eyes,
Closed beneath the soft gray hair.
Could the mute and stiffened lips
Move again in pleading prayer.
Still, aye, still, the words would be—
"Let me hide myself in Thee."
—Ella M. Moore, Attributed also to E
H. Rice.

Little Foxes Spoil the Vine.

The family life ought to guard against everything that might harm it because so much depends upon it. There are many little things that spoil the harmony of the home life. Discontent on the part of the members, a restless desire for something impossible destroys the peaceful atmosphere that should surround the home circle. To know the limit of our time, money, and circumstances and live contentedly with them, keeps away one of the little foxes that spoils the vine. Suspicion and a lack of trust and confidence on the part of father and mother nibble away unseen, but they do much that injures the growth of love, without which the family life is a sorry failure. The effect upon the children will be visible with the naked eye, however. There should be perfect trust and harmony of action and thought between husband and wife in all things that pertain to the management of the home. They should get together, each yielding a little to the ideas and thoughts of the other. They should consider their own personal feelings of little consequence in comparison with the best interests of the family life, and guard against the little foxes.

The telescope is made, as every one knows, with one end larger than the others. When looked through from the small end, objects are mag if we turn it around and look through it from the large end, things will look smaller. We are apt to look at the fault of others from the small end, but when we look at ourselves we turn it around. We can always find an excuse for our own faults and follies, but we too often lack that charity that covers a multitude of sins in our fellow man. The spirit of criticism is common and it grows rapidly if it is encouraged. It tends to create a fault-finding disposition. This is deplorable, especially in the family circle. It drives away kindly feelings. It makes an atmosphere from which the children want to escape as quickly as possible, but worst of all it engenders in them a fault-finding disposition. Parents are often too exacting with their children and in their zeal notice

many little faults that would, with a little encouragement from the parents, correct themselves in a little while. It is better to ignore some things than to be continually nagging and criticising although willful disobedience and meditated mischief should never pass without notice and correction. A little mirthful humor, if applied rightly will accomplish much in correcting a fault in the children without spoiling the harmony of the home. Do not, if it can be avoided, correct a child at the table, or in company. It will be much more effective if he be taken off by himself and there talked to seriously and kindly about the fault to be corrected, but never in a faultfinding tone or manner. Let us eradicate from the home circle every resemblence of fault-finding and criticism, and especially let not father and mother criticise one another, but be as charitable to each other as to their own selves.

Parents Full Duty.

There are many mothers who love their children with a tenderness that is beautiful to see, but who lack strength of character or are too indolent to disciplin them into obedience and right-doing. Many boys and girls are failures just from a lack of disciplin. President Roosevelt makes plain the parents' full duty in the selection quoted as follows:

"Now, one word to the grown-ups, to the fathers, and especially to the mothers. Do you remember that in your own homes it is just as important as in the outside world that you should have neither hardness of heart nor softness of head? The damage done to children by cold or unfeeling or selfish parents is not a bit greater than the damage done to them by foolish, weak, and over-indulgent parents. A foolish indulgence is as bad as any harshness. In particular, the mother who lets her boy grow up selfish, imposing on her, not showing tenderness or consideration for her or for others, is preparing to turn the selfish son into what will some day be a brutal and unfeeling husband and father. That woman is not showing real tenderness, real love for the boy; she is showing folly, and wicked folly at that. She is doing the worst she can for the boy, and she is preparing misery and suffering for all those who come in contact with him thereafter. The men, and especially the women (for it is the woman who counts for most in the household) who fail to bring up their children so that they give a prompt and ready obedience, and show unselfishness and consideration for others-all of us need to be taught that, it does not come naturally-fail signally in their duties as fathers or mothers.

"I shall quote, in closing a bit of advice of which I have always been fond, gathered from the football field, and is applies just as much in after life as it does on a football team. In after life, as in your games remem-

"'Don't flinch, don't foul, and hit the line hard!""

Pins and Man.

A pin must be pushed to make it go -so most men.

A pin needs polish to do its work smoothly—so does a man.

A pin to get out of a hole must have a pull—so must a man.

When a pin sticks too long in one place it gets rusty-so does a man.

A pin with a big head is not much good-neither is a man with a big

The head of a pin prevents it from going too far-so does the heads of some men.

A straight pin under pressure will often become crooked-so will a straight man.

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pins, straight pins, crooked pins, long. pins, short pins, good pins, bad pins sharp pins, dull pins, smooth pins, rough pins, strong pins, weak pinsand the world is full of the same kinds of men.—Spare Moments.

Buttermilk as a Tonic.

Ordinary sour buttermilk is a better tonic, is a better food than was ever bottled or boxed up by the chemist or doctor. Buttermilk is a very hearty food. Two glasses a day is enough for any one. This should be drunk with meals, or else should not be taken within two hours of a meals, says Mc-Call's Magazine. Time should be given it to thoroughly digest before anything else is taken into the stomach. It takes buttermilk considerably over an hour to digest, and to drink another glass before the first one is digested is only to stir up difficulty with the digestive organs. Really, the best way to drink buttermilk is with the meals, though it may be drunk between meals as a sort of easily digested lunch.

Some Good Salads.

Stuffed Tomato Salad.—Remove the skins and scoop out the inside with a spoon, grind up green peppers, season with salt, fill the cavities of the tomatoes with the peppers, place on a lettuce leaf and put a salad dressing on it. They may be stuffed with minced cucumbers and onions or celery mixed with a little of the dress-

Beet and Lettuce Salad.—Cook blood red beets tender then plunge into cold water and remove the skins. When cold, cut into cubes, arrange on lettuce leaves for individual serving and dress with salad dressing. If lettuce is not obtainable, serve with a garnish of fringed celery or parsley.

Potato and Celery Salad.—Dice a sufficient number of cold boiled potatoes and minced celery in the proportion of two fine stalks to six mediumsized potatoes. Mix together, add one tablespoonful of minced celery, moisten with salad dressing and stand in a cold place until chilled Wash and crisp the lettuce leaves, and arrange on them the potato mixture in little heaps. Garnish with diced carrot and beet cubes.

Cucumber Salad.—Use sliced cucumbers, steeped in salted ice water and drained. Dish up alternately with sliced pickled beets, quartered hard boiled eggs; dress with oil, salt, pepper and caper vinegar.-Miss Ida Myers, Defiance, Ohio.

Banana Salad.—Remove the skins, halve, roll in ground peanuts and place two halves on a lettuce leaf and put a good dressing over them.

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The Young Folks

The Tale of Captain Kidd. I'll tell you, boys, of Captain Kidd, of who he was and what he did; and how, when on his ocean trips He murdered men and scuttled ships.

For many years he sailed the sea, And was as mean as he could be. His name would make the children cry, And spoil their appetite for ple.

His eyes were black as anthracite, And filled most persons with affright. He wore big boots upon his feet, And he would rather fight than eat.

Upon his ship he always dwelt, With mighty pistols in his belt. And salling 'cross the ocean wide A cutlass swung down at his side.

The flag he flew was deepest black, And as he'd quickly sail and tack, He'd walk the deck to see if he Could see a ship upon the sea.

when one was sighted he gave chase.

And then there'd be an awful race.

The sight would almost take your sight the And likely scare you 'most to death.

I'll tell you, lads, it was no joke! His cannon spat out fiame and smoke. The ship ahead would have to stop and down its flag would quickly drop.

Then Captain Kidd and all his crew Would swear until the air turned blue. And when it was quite blue, they'd swing Their swords and shout like anything.

Then great big holes were quickly drilled arilled Into the vessel till she filled, And just before the vessel sank, The crew was made to walk the plank.

Immense bright heaps of shining gold
The pirate loaded in his hold;
He swept the sea, and swept it clean,
Though no broom on his ship was seen.

And when they caught him in the end, He did not have a single friend, But everybody said, "Hooray! We're glad that he's been put away!" -American Boy.

> The Doings of the H. S.'s. GRACE S. HOWELL.

CHAPTER VIII.-THE SECRETARY ENTER-TAINS WITH A HOUSE PARTY.

I hadn't intended to have a house party. We were sitting out in the lawn swing trying vainly to cool off before beginning our program, for it was such a close, hot afternoon.

When we started to the house we discovered that Della and Verna were missing. Calling failed to bring a response, so we started toward the back of the house in search of them. On nearing the barn the sound of unusual bilarity came to our ears and we hastened in that direction. As we went around the barn we halted in amazement. Papa had just thrashed the week before and the hay stack behind the barn was simply immense. What we saw was my two younger brothers seated on a long sled, one at the front and the other at the back, with Della and Verna in between. They started from the very top of the stack and came whizzing down at a terrific rate. It was over in a flash and shouting gleefully they started around to where the stack sloped more gradually and where it was easier to climb. They had just started up when we recovered our breath and Mattie and Mae commenced giving commands while I, knowing Jim and George too well, tried to reason. It was simply useless; up they went and down they came. In vain we reasoned that they'd be killed. In vain Mattie and Mae commanded. All the comfort we got was shouted invitation to come and try it for ourselves. Finally the girls dragged Verna and Della away by main force and we went to the house and the president soon had the club called to order.

We were proceeding with the program, which was along literary lines. Mattie was reading an essay on Longfellow, when Della suddenly said aloud, "Wasn't that thunder?"

The president favored her with a reproving look. Della ducked her head down between her shoulders in a way as though caught in mischief, and Mattle was allowed to finish her essay without further interruption. As we Were finishing the program there came a vivid flash of lightning and almost in the same instant a most awful crash of thunder. With one impulse we sprang

to our feet, screaming and stopping our ears we rushed to the windows to see the rain come in one blinding sheet. It was grand. I thoroughly enjoy a thunderstorm. Mae is of a highly nervous temperament for all she keeps herself so well in hand. Today she sat down with a book, though it was too dark to read. She sat her jaw and clinched her hands and made no sign as though afraid. Thats what papa calls "grinning and bearing." Verna knelt down, and stuffing her fingers in her ears, buried her head in Mae's lap. The rest of us watched the

After the first dash the rain settled into a steady pour, and I had to give up all hopes of initiating my new croquet set. What were we to do? How could I entertain my guests? A good hostess must be ready for any emer-

"O, girls," I cried, suddenly remembering the garret. "Come on," and I started for the stairway. We got the dandiest-yes, I've just got to use that word—garret. It extends the whole length of the house and is well lighted by two large windows.

The girls followed me in a regular stampede.

We had no more than reached the garret when Della and Verna set up a delighted squealing over some discovery they had made. It was the boys, Jim's and George's, Indian toggings. Della and Verna were already getting into them. That settled it; we must play Indian. I fixed it all up as a sort of Buffalo Bill play. The rest of us girls were settlers. We were getting lots of fun out of it.

We had repelled one Indian attack and were expecting another momentarily. However a long continued silence on the part of the Indians set us to wondering what could have become of them. Finally we decided to send Mae out as a scout. She went off in the direction of the ell, for that was the way the Indians had retreat-She returned to the opening, shortly, and silently beckoned to us. We crept stealthily forward and following her lead we peeped around some big dry goods boxes and saw two very flerce and warlike Indians playing with dolls. I said "Boo!" and the two savages jumped.

The girls had found the trunk wherein was stored my family of dolls. I am well supplied with uncles and aunts on both mama's and papa's side. They all consider a doll the one always appropriate gift for a girl. I have within the last few years so impressed those who live within seeing distance, with my grown-upness, that they have ceased to reckon on dolls.

I have two maiden aunts back in Illinois, however, who haven't seen me since I was three years old. To these aunts I am still three years old. Even though I write them the most grownup letters, they do not understand. So twice a year the dolls come. With those and the ones I have saved since reaching the age of accountability, I have quite a collection. I keep them in a trunk and only get them out for visiting children. No one will ever know how many I've mashed. Papa, who was raised "careful," as he expresses it, always protested that it was a sinful waste of money to give dolls to such a destructive creature as I.

But to come back to my party. We got the dolls all out. There were twenty-three, of every kind, color, and degree, and before we realized it all of us big girls were playing with dolls.

I brought the lunch up to the garret and we hunted up my various sets of dishes, and as there was no abating of rain we played until it was too dark to see. Then we went down stairs and made fudge and played games until bed time.

I have the large room over the front room, and as we often keep a girl there are two beds in my room. We wanted to talk, of course, so we wheeled the beds together and really slept six in a bed. Della and Verna were soon fast asleep, but we four girls talked far into the night. If you, reader, were ever a girl you know what we talked about, if you weren't you don't need

(To be continued.)



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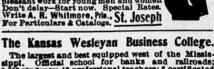


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"I don't like doing housework,'
Said little Milly Brown;
"I don't like washing dishes,
Or sweeping cobwebs down.
I do not like the ironing.
Or making bread and pie;
I hate to do the scrubbing,
And sewing makes me sigh.

But there's one thing I do like
Be the weather hot or coolFrom morning until evening
I just love teaching school.
So, early every morning.
I take my little broom,
And teach him how to hurry
And sweep the sitting-room.

"And then I teach the duster
The furniture to clean,
Till everything is shining
That room's four walls between.
Each day I teach the dish-cloth
To wash the cups and spoons,
And all the time we study
We sing the gayest tunes.

"I teach my little flatiron
To gallon here and there,
And leave the clothes behind him
All shining, smooth and fair.
I teach my little mopstick
To scrub the kitchen floor,
He says his lesson better
Each day than e'er before.

"I teach my little needle
To hem, to stitch and run;
And, oh, he smiles so proudly
When well the lesson's done!
At night, when school is over,
And the lessons all are said,
I teach my feet to carry
The teacher off to bed."

An Afternoon Tea.

-Anonymous.

It was a glorious day in early summer, a little breeze stirred the leaves and grasses, and "the little birds sang as if it were the one day of summer in all the year." Out under the lilacs at the end of a garden two little girls were having tea. One sat at each end of a small table, and on either side two dolls stared across their cups of milk, water, and sugar. Just over the fence was a wide field of daisies and buttercups, and beyond the field was a small house with a solitary figure at the window. It was Miss Hibbs, who lived all by herself; nobody knew her very well and people said she was "queer" and "a little peculiar." She had been sick a long while, and though the doctor and some kind old friends had visited her, it was not very often that her red gate clicked, and Miss Hibbs, now that she was getting better, spent most of her time at the window, leaning her pale face on her thin hand.

The tea-party under the lilacs progressed happily and rapidly. The two little mothers, Helen and Betty, discussed their children's clothes and their children's health, and then, when all the milk and hot water were gone. quietly drank up their children's tea.

"Now we must clean up," said Helen "Do you suppose it would be rising. worth while to take this little bit of sugar back to the house?" Betty thought not, so the sugar was divided and quickly disappeared. The "children" were put under the lilacs for their naps, and Betty's sleeves were rolled up in preparation for washing the dishes. There was one little pan, filled from the hose, and as Helen wanted to wash too, she took the drying cloth; and then both splashed away till it was discovered that the fronts of their dresses were all wet.

They'll never get dry here in the shade," declared Helen; "besides, we can't wipe the dishes, 'cause I've got the drying cloth all wet. Let's just spread the plates and things in the sun, and go into the field and play."
"I'm afraid it's bad house keeping,"

objected Betty, but she followed up the suggestion and soon both were scrambling over the fence with their dolls.

Oh, how lovely that field was with its sweet-scented, tossing grasses, its wealth of bright flowers and the warm, genial sun shining down upon it. Helen and Betty laughed for joy, dolls lay forgotten as they frolicked and played like two young colts. Their happy laughter floated across the field to Miss Hibbs, as she sat watching them, and somehow two tears fell through the thin fingers and splashed on the window ledge. She felt very sad and lonely, there was no one to love her, not even a little child.

Meanwhile, out in the field the children's arms soon became full to overflowing with the bright flowers, and

they sat down to decide what to do with them.

"Every vase is full at home," said telen. "Let's make chains to go Helen. round our necks and decorate our doll house.

"Oh, then they'll fade so soon," objected Betty; "they are so pretty, it's a shame that they must die so quickly." Then she looked across the field to the little lady watching them so wistfully. "I tell you," she cried, "let's take them to Miss Hibbs, who has been so sick."

Helen was appalled at the thought; they hardly knew Miss Hibbs. But Betty was resolute; so off they started to the little red gate. Miss Hibbs was very startled when she heard it click, and suddenly in answer to her faint "come in," the door opened with a burst of sunshine, and two small girls stood revealed, their arms full of the flowers she had been longing for.

"We brought them for you," said Betty, shyly, and then laid them in her lap. Poor little Miss Hibb's face was radiant. She kissed them both; she could not help it. Then she showed them where they would find the cookey jar, and asked them all about the dolls and the tea party. And before long they had promised to invite her to one just like it as soon as she was stronger, and decided that she was really very nice. Then suddenly, Betty and Helen realized that it was late, and said good-bye, followed by an invitation to "come often."

Hand in hand they ran across the field, while Miss Hibbs still sat by the window, her face bright with such joy as she had not known for a long time. It was a very simple act that made her happy, but it came just at the right time and it meant ever so much more to her than the two little girls ever realized.-M. C. H. in Scattered Seeds.

A Chinese School.

A description of Chinese schoolroom methods, taken from "A Corner of Cathay," is of interest as showing the contrast between schools in the Orient and schools in this country. Many elderly people will recall the time when practises in the district schools of the United States had some of the Chinese thoroughness and dependence upon the memory.

The beginner takes his book to the teacher and hears him read a column or more, after which the pupil returns to his desk and cons his lesson aloud, until he can recite it without looking at it. He then takes his book again to the teacher, turns his back to the master, and recites what he has This is called "backing the learned. lesson." In this way the pupil commits the whole book to memory, and he is expected to learn it so thoroughly that he can at any moment repeat the whole of any passage the initial words of which are mentioned to him.

Just before the noonday recess the teacher writes a sentiment, a proverb or a proposition upon a slip of red paper and pastes it upon the door. Each boy, as he goes out, reads the lines, and in the afternoon renders to the teacher another line which will, with the first, make a couplet.

The teacher encourages his pupils by telling of fine examples. He tells of So Chin, who, being afflicted with drowsiness when at his nightly studies, thrust a needle through his flesh so that pain might keep him awake, and of the restless Sai Lin, whose active body revolted against sitting at his books, and who cured himself of a constant disposition to rise leave them by placing a pail of cold water where his feet would be immersed in it whenever he stood up.

A warning is given in the career of the unscrupulous Pang Kien, who cut off the ends of the straws that his teacher told him to arrange evenly, while the careful and honest cung Pin separated a similar bundle and laid the straws straight, one by one, and found that they were all of uniform length without cutting. character thus manifested by the two showed their teacher which of his pupils would best repay his efforts, and his judgment was justified by the event, for Pang Kien came to no good, while Sung Pin won renown and wealth, and great honor came through him to his preceptor.

Women Avoid **Operations**

When a woman suffering from female trouble is fold that an operation is necessary, it, of course, frightens her.

The very thought of the hospital, the operating table and the knife strikes terror to her heart.

It is quite true that these troubles may reach a strikes where an operation of the strikes that the strikes the strikes the strikes the strikes that the strikes the strik

to the quite true that these troubles may reach a stage where an operation is the only resource, but a great many women have been cured by Lydia E. Pinkham's Vegetable Compound after an operation has been decided upon as the only cure.

The strongest and most grateful statements possible to make come from women who by taking



Lydia E. Pinkham's Vegetable Compound

made from native roots and herbs, have escaped serious operations, as evidenced by Miss Rose Moore's case, of 307 W. 26th St., N.Y. She writes:—Dear Mrs. Pinkham:—'Lydia E. Pinkham's Vegetable Compound has cured me of the very worst form of female trouble and I wish to express to you my deepest gratitude. I suffered intensely for two years so that I was unable to attend to my duties and was a burden to my family. I I was unable to attend to my duties and was a burden to my family. I doctored and doctored with only temporary relief and constantly objecting to an operation which I was advised to undergo. I decided to try Lydis E. Pinkham's Vegetable Compound; it cured me of the terrible trouble and I am now in better health than I have been for many years."

This and other such cases should encourage every woman to try Lydis E. Pinkham's Vegetable Compound before she submits to an operation.

Mrs. Pinkham's Standing Invitation to Women

Women suffering from any form of female weakness are invited to
promptly communicate with Mrs. Pinkham, at Lynn, Mass. From the
symptoms given, the trouble may be located and the quickest and surest
way of recovery addised. way of recovery advised.

SOMETHING ENTIRELY NEW IN MUSICAL INSTRUMENTS

The first perfect Keyboard string instrument since the advent of the Modern Piano.

References: Any bank or business firm in Topeka.



There is a fortune to be made in the manufacture of these instruments.

Secure some stock in the Company and you will realize from 20 to 100 per cent a year on your investment.

The Dolcette, Price \$135.

The DOLCETTE is a key board string instrument with a compass of five octaves. It is something entirely new and is greatly admired both on account of the sweetness and pleasing quality of its tone and also on account of its marvelous action.

Either a single tone or a tremolo tone can be produced by a single depression of a key. When the key is struck and immediately released, the ORDINARY PIANG-OR HARP TONE is produced. By depressing the key and holding it down, a PERFECT TREMOLO TONE follows closely resembling that of the mandolin.

By playing tremolo tones in the right hand and single tones in the left, a close resemblance to a MANDOLIN QUARTETTE accompanied by an ITALIAN HARP is secured.

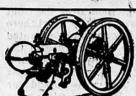
By the use of a foot pedal the entire tone quality of the instrument is changed, producing a most pleasing effect resembling CHIMES.

The DOLCETTE makes a beautiful plece of parlor furniture. Its appearance is different from any other instrument on the market. The lower portion somewhat resembles a Plano while the upper portion closely resembles an Italian Harp. It is adapted for use either as an INDIVIDUAL INSTRUMENT or in COMBINATION WITH THE PIANO. The two played together make a complete home orchestra.

For further details address

The Orchestrino Company,

Topeka, Kans.



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NEW PLAN FOR COOLING CYLINDER

Reduces Water Tank to a Few Gallons Send for Catalog. —Special Farm Engines KANSAS CITY HAY PRESS CO., 129 Mill St., Kansas City, Mo.

When writing Advertisers please mention this paper

Be Our Guest on A Trip to Colorado

On the first and third Tuesdays of each month we run excursions to Otero County, Colorado, and we want you to be our guest. We want to show you 5,000 acres of Irrigated land which we are offering for sale in any size tracts from \$70.00 to \$125.00 per acre. We want to show you land that can be made to yield a larger cash profit than any other farm land in the country.

Here are a few crops that pay big money: Raising sugar-beets will yield \$100.00 or more per acre. Alfalfa will bring \$40.00 or more. Raising cantaloupes will yield \$500.00 per acre and upwards. Fruit \$100.00 to \$500.00 per acre and upwards. Vegetables from \$80:00 to \$125.00 per acre. Wheat 60 to 70 bushels per acre. Oats 75 to 100 bushels per acre, and many others, too numerous to mention in this announcement, can be made to yield equally as much. The Colorado climate is the most healthful in the world. The clear air and the sunshine makes it a paradise for healthseekers. Tens of hundreds of people visit this state every year simply to rest and recuperate. Almost 340 days of the year the sun shines. No severe winters or bad weather. If you buy one of our farms you can be working while the farmer in the North and in the East is hugging the stove to keep warm. You and your children will have every possible advantage. We have good schools; high-schools and country schools. Churches of all denominations within easy walking distance. This shows there are a good class of people there. The land is almost perfectly level and is full of vegetable mould. It is located between Olney Springs on the Missouri Pacific Railroad and Rockyford on the Santa Fe. Rockyford is the famous Cantaloupe town. The roads are in the best of condition. They never get muddy, and travel or hauling is easy at all times. We have the Rural Free Delivery Mail Routes which reach every home and hamlet.

The good telephone service puts you in touch with all parts of the state and union. We have good well water for drinking purposes and plenty of

water for irrigating which is already on the land. Our

to \$1,500 00 per acre.

and we are located near the markets, thus affording you the best prices. Building in Otero County is as cheap, if not cheaper, than anywhere else in the North, East or South. If you so desire, you can build a 2-room portable house for about \$80,00 until you get ready to build a good

house, which would cost from \$250.00 up. Our prices for this land are extremely low when you consider that land in other parts of the state is selling for from \$250.00

The land that we are now offering you will double in value within the next year. The advantages of one of these farms are too numerous to mention in the limited space of this announcement. We want you to be our guest and go out with us and see for yourself. Let us prove to you that the above statements are not in the least overdrawn.

Here Are Some STUBBORN FACTS-See report No. 80, U. S. Department of Agriculture, Page 109, on Colorado Irrigated Lands:

Net profit..... \$31,300 Compared With Corn-

480 acres corn 24,000 bu. or \$9,600 Net profit.....\$6,000 Net profit in favor of sugar beets......\$25,300

The price of beets every year is \$5.00 per ton. The price of corn uncertain.

On 34 acres of beets one man cleared net \$3,825.

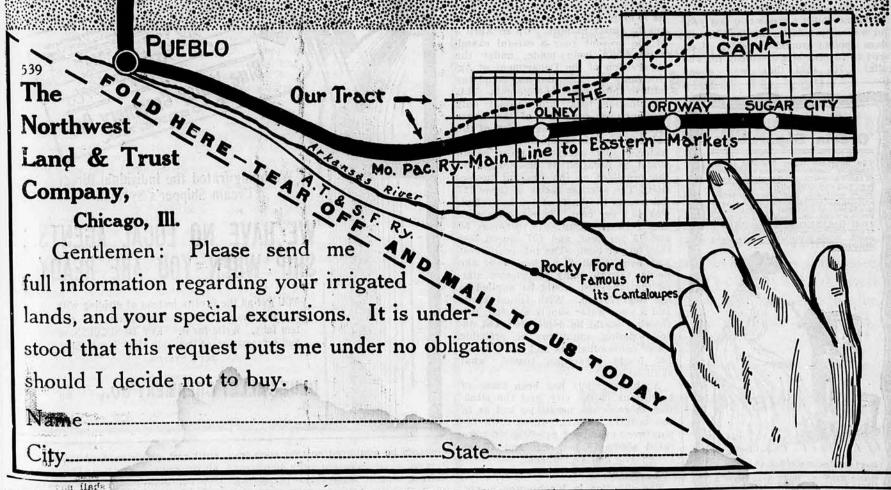
need to write a letter. We will send you full informa-

Pounty, Colorado tion, maps and other circular matter. We want you to become a Colorado farmer, to live in the most healthful state in the union, and to get the largest

If you cannot make a trip with us to Colorado, we would suggest that you read carefully our circular matter, pick out the farm that you want, send in your first deposit, and then make the trip at your convenience. This is not a speculation or a chance game of any kind, but it is the simplest, sanest, safest, soundest, best investment you will ever have a chance to make. Failure is unknown except through individual carelessness. You are absolutely fortified against frosts by the climateagainst excessive rains by the natural conditions—against drouth by the most complete and perfect irrigation system in the country.

The land is selling rapidly and we want you to get your choice at once, so fill out the coupon and send it to us without delay.

THE NORTHWEST LAND & TRUST CO., 559 Monadnock Bldg., Chica



MERCHANTS' LIFE ASSOCIATION

A happy medium between the excessive cost of "old line" companies and the uncertainty of fraternal organizations. For full information, send your name and age to

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JOHN D. SNYDER

Live Stock Auctioneer, Winfield, Kansa

I have made a life study of the different Pure Breeds of Horses, Cattle and Hogs. Have a wide acquaintance with breeders. Am thoroughly pc ted as to the best methods employed in the management of all kinds of sales. Have booked dates with the best breeders in Kansas, Missouri and Oklahoma. Will help you in arranging for your advertising. Write or wire me before claiming dates.

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Dairy Interests

Preserving Ensilage.

N. B. WHITE IN HOARD'S DAIRYMAN.

Many different plans have been tried to prevent ensilage from spoiling after it is put in the silo. The first plan was to cover with boards or plank and weight heavily with stone. The second plan was to make the covering air tight by putting on fine chaff, then a layer of boards covered with tarred paper and then another layer of boards covered with hay to hold the boards in place. For a dozen years or more, many farmers have used water with no covering. In a recent issue of Hoard's Dairyman the editor advocates putting twenty or thirty barrels of water on top of the ensilage. Last year a man living a few miles from me covered the ensilage with a foot of sawdust but even then he found eight inches of spoiled ensilage.

None of these methods have been perfectly satisfactory to me on account of the amount of labor involved. If a man has a force pump, hose, and windmill, there may be but little work in putting twenty barrels of water on the ensilage, but if the silo should be several hundred feet away and the farmer must buy a new pump and hose, there is considerable expense. Again, if there is no wind for a few days, some other power must be used.

Whenever at work on a difficult problem, it has been a general rule of my life that there would be twenty years of failure, then came success. After working twenty years upon this problem, I found a solution which was perfectly satisfactory, theoretically. Let us see how the theory worked in practise. When helping one of my neighbors fill a silo, I told him I wanted to try a new trick. At my request, he made eight gallons of strong brine and we put it in milk cans and drew up four gallons at a time. We used a common sprinkler and put it on the top and they reported one inch of spoiled ensilage. The cost was five cents for salt and the time of two men for twenty minutes. The silo was round and fourteen feet in diameter. If ensilage is rather dry, use more brine.

A farmer built a stone silo last year and was surprised to find that the ensilage spoiled around the sides. I offered to furnish him a remedy for one dollar. He said that was cheap

enough. If the ensilage spoils around the sides or around the doors, use strong brine when filling. The question naturally arises, "Is there any danger in using salt in the silo?" I reply there is danger in carrying a lantern to the barn, but any man, who can be trusted to carry a lantern, can be trusted to use salt, for in taking it out a small quantity of salt ensilage becomes mixed with a large quantity of fresh.

Sanitary dispection of Dairies and Distributing Depots.

ED. H. WEBSTER, M. S., CHIEF OF THE DAIRY DIVISION, BUREAU OF ANIMAL INDUSTRY. BEFORE A CONFERENCE AT WASHINGTON, D. C.

BAD CONDITION FOUND ON INVESTIGATION.

A systematic sanitary inspection of dairy farms and milk-distributing depots can not be too strongly recommended. Recent investigations in various parts of the country have conclusively shown that the conditions on many of the farms and at many milk depots are anything but ideal; they are, in fact, about as bad as it is possible to conceive. Stables are poorly lighted, many having no windows whatever, and ventilation is not provided for. Little attention is paid to floors, ceilings, walls, or stable yards. Swine, horses, and poultry are often found in the same barn with the cows. Manure is not removed, or, when removed, is thrown through an opening in the wall or just outside the door, frequently near the milk room. The necessary appliances for sterilizing and cooling in the milk room are often lacking, making it impossible to properly wash and sterilize pails, cans, bottles, and other applicances, or to properly cool and hold at a low temperature the milk before delivery.

Milk-dealers as a rule have more regard for sanitation and have better appliances than are to be found on the average farm, but some common practises are deplorable. Very few dealers have appliances for sterilizing bottles. Drivers not infrequently bottle milk on the wagon, using bottles that have come from some household and have not been sterilized. Wagons and appliances are not kept in as sanitary condition as should be required. A number of dealers do not separate business from home operations. Help of unknown origin and doubtful habits is employed and is a constant men-ace to purity of milk. Up to April 5 of the present year a careful examination had been made, under the supervision of the Department of Agriculture, of 727 dairies supplying milk to the District of Columbia. This examination took into account only the sanitary condition of the farms and did not include the health of the animals nor an examination of the water supply, except as these points would be revealed by observation on the premises at the time of inspection. The average rating of these 727 dairies, on the basis of 100 as perfect, was 45.1 per cent. Thirty-three were above 75 per cent, 278 between 50 and 75 per cent, and 407 scored less than 50 per cent. The tuberculin test had been applied to but 4 of the herds, though many proprietors stated that the test would be applied in the near future. With tested herds and a pure water supply assured, this showing would be deplorable, but under existing conditions of probable water contaminations and but 4 out of 727 herds tuberculin tested, what shall be said?

A similar study has been made of conditions in the city, and the situation there is not nearly so bad as in the country. Seventy-three milk depots were examined, of which 46 were rated above 75 per cent and 27 between 57.5 and 75 per cent.

BECOMMENDATIONS

The situation in Washington is not different from that confronting the health departments of most of the cities of any size throughout the country. The public is gradually awakening to the fact that these conditions must be changed. In order to bring about these changes within the District of Columbia the following recommendations are made:

1. That a sufficient number of in-

Cream _ Galloway Separator **Direct From Factory to** Farmer Saving It's very easy to operate. The gearing in the Galloway is the simplest yet most efficient. The weight of the handle will start the bowl. You 40% Money Refunded with 6% Interest from Date of Order If not Satisfactory Yours to try THERE is something wrong with a Separator when its manufacturers won't guarantee it.

I guarantee the Galloway not for a week or month or year, but until it wears out. My \$25,000 bond is your assurance that I'll do it, too. This means that I'll replace, free, any parts broken due to inferior workmanship or material. The Galloway will skim as close as any Separator on the market—none excepted. No question about it. Now what I want most is a Galloway Separator in your locality. It's my only and best salesman.

I've a special arrangement to make with the first person that answers this ad whereby he can pay part or entirely for a Galloway. Remember the first answer to this ad from your locality gets my special offer that will save some one some money.

The Galloway Separator is made in three sizes, and they must do as I say they will or no sale. Remember also that it must keep on doing as I say it will. It unsatisfactory send it back and get your money with interest at 65 from date of purchase.

Youse the Galloway isso simple in construction there are no parts to wear out. It cannot get out of order.

When it comes to cleaning, the Galloway skimming dedevice only has two parts. No crack or crevices to clog where dirt can accumplate. Now I don't ask you to takeny word for anything. I want you to be your own judge. A trial of the Galloway on my free trial plan will convince you in ten minutes that it's the Separator you want, and furthermore it must you or no sale. Don't forget that. The farm that goes without as & losing money. Any farmer in the Address me personally. 30 Days FREE \$25,000 Quarantee Then remember
you are further protected by my \$25,000
legal bond, that your
Separator shall make
good in every respect. You
simply cannot lose. I have a special proposi-tion to of-for the first one at a Separator one day with such a chance as this is in the U.S. can afford it. I mean exactly what I say. Wm. Galloway, President THE WM. GALLOWAY COMPANY, 383 Jefferson St., Waterloo, Iowa. I also sell a wagon box manure spreader on the same plan. Catalog free.



spectors be employed so that each inspector shall have not over 100 farm dairies, and at least three inspectors shall be employed to cover milk stores. That one of these inspectors shall be at the same time chief dairy inspector and shall receive a salary of \$2,000 per annum and traveling expenses.

2. That the inspectors so employed shall devote their entire time to the work of inspection, and that the salaries be commensurate for the technical skill and experience of the men employed—not less than \$1,600 to \$1.

800 per year and traveling expenses.
3. That these men shall have technical training in the production and handling of milk, and that at least 5 of every 10 inspectors employed to inspect farms shall be skilled veterinarians.

4. That the health officer shall have full authority to make rules and regulations and enforce the same, so as to safeguard the milk supply of the



District from contamination through carelessness, ignorance, or malicious intent.

5. That the health officer or any authorized inspector shall have authority to revoke instantly the license or right to sell milk in the city if provisions of such regulations are not complied with, where, in his judgment, such violation endangers the health of the consumer.

TWENTY-ONE SUGGESTIONS.

The following are suggested as ideal conditions, which might be used as a basis for rules and regulations:

THE COWS.

1. Have the herd examined frequently by a skilled veterinarian. Promptly remove any animals suspected of being in bad health. Never add an animal to the herd until certain it is free from disease, especially tuberculosis.

2. Never allow a cow to be excited by hard driving, abuse, loud talking, or unnecessary disturbances; do not unduly expose her to cold or storms.

3. Clean the entire body of the cow daily. Hair in the region of the udder should be kept short. Wipe the udder and surrounding parts with a clean, damp cloth before milking.

4. Do not allow any strong-flavored feed, such as garlie, cabbage, or turnips, to be eaten except immediately after milking.

Salt should always be accessible.
 Radical changes in feed should

be made gradually.
7. Have fresh, pure water in abundance, easy of access, and not too cold.

8. Dairy cattle should be kept in a stable where no other animals are housed, preferably without cellar or storage loft. Stable should be light (4 square feet of glass per cow) and dry, with at least 500 cubic feet of air to each animal. It should have air inlets and outlets, so arranged as to give good ventilation without drafts of air on cows. The presence of flies may be reduced by darkening the stable and removing the manure as di-

9. The floor, walls, and ceilings of the stable should be tight, walls and ceilings being kept free of cobwebs and whitewashed twice a year. There should be as few dust-catching ledges and projections as possible.

rected below.

10. Allow no musty or dirty litter or strong-smelling material in the stable. Store manure under cover at least 40 feet from the stable in a dark place. Use land plaster daily in gutter and on floor.

MILK HOUSE

11. Cans should not remain in the stable while being filled. Remove the milk of each cow at once from the stable to a clean room; strain immediately through cotton fiannel or absorbent cotton; cool to 50° F. as soon as strained; store at 50° F. or lower. All milk houses should be screened.

12. Milk utensils should be made of metal, with all joints smoothly soldered, or, when possible, should be made of stamped metal. Never allow utensils to become rusty or rough inside. Use milk utensils for nothing but handling, storing, or delivering milk

13. To clean dairy utensils use pure water only. First rinse the utensils in warm water; then wash inside and out in hot water in which a cleansing material has been dissolved; rinse again, sterilize with boiling water or steam; then keep inverted in pure air that may have ready access, and sun if possible, until ready for use.

MILKING AND HANDLING MILK.

14. The milker should wash his hands immediately before milking and should milk with dry hands. He should wear a clean outer garment, which should be kept in a clean place when not in use. Tobacco should not be used while milking.

15. In milking be quiet, quick, clean, and thorough. Commence milking at the same hour every morning and evening, and milk the cows in the

same order.

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16. If any part of the milk is bloody, stringy, or unnatural in appearance, or if by accident dirt gets into the

milk pail, the whole mess should be rejected.

17. Weigh and record the milk given by each cow.

18. Never mix warm milk with that which has been cooled, and do not allow milk to freeze.

19. Feed no dry, dusty feed just previous to milking.

20. Persons suffering from any disease, or who have been exposed to a contagious disease, must remain away from the cows and the milk.

21. It is needless to say that the shorter the time between the production of milk and its delivery, and between delivery and use, the better will be the quality of the milk.

A FINE STLYE BOOK FREE.

Nebraska Clothing Company Issues Elegant Book Printed in Two Colors—Sent Free for a Postal.

The Nebraska Clothing Co. have just issued their semi-annual fashion book for men and boys, showing every correct and approved style for the season 1907-8.

This book is valuable to every household—with it you do not have to guess at the correct dress for any occasion. It tells you and tells you correctly.

Forty pages of illustrations and descriptions of every popular article of apparel for men and boys, with a liberal assortment of samples of the newest cloths.

This book will be sent you for the asking—a postal will do. Simply address the Nebraska Cloth Co., 1113-1115 Main street, Kansas City, Mo., and ask for Book 16 and mention THE KANSAS FARMER.

The Poultry Yard

CONDUCTED BY THOMAS OWER.

Poultry Notes.

We are often asked what is the reason that there are so few large poultry plants in operation in this western country. One of the reasons is that there are but few persons who are willing to put enough money in such plants to make them successful. Those who do start poultry farms, quite often, have had no experience whatever in the business and think all they have to do is to put up a few cheap buildings, buy a lot of chickens, and the hens will begin to shell out enough eggs right away to made a fortune. But the poultry business is not a get-rich-quick system of making money. It means lots of hard work and lots of care and attention. There must be practical experience and scientific knowledge in the assets of the promoter, besides an adaptability to the business that is natural and not acquired. With these requirements, there is no reason why the large poultry plants should not prove as successful as the small ones.

It would be a good plan to see that your poultry house is free from lice and mites, before you are compelled to shut up your fowls in the same for the winter's sojourn. If the liquid lice killers are not handy or a cheaper insecticide is desired, one of the best kind can be made at little labor and expense. It is prepared by adding one-half pound of carbolic acid crystals to five pounds of com-mon washing soap. Put the soap mon washing soap. into a pan with a little water and heat slowly until dissolved. Put the carbolic acid crystals into a dish of hot water, stirring them till they are dissolved in the water. Pour this liquid into the melted soap and stir thoroughly, then set it away to cool. This soap will keep for an indefinite time and whenever you wish to get rid of the lice in your hen house, take some of the soap and mix with water till you have a strong soap-suds. Wash the roosts, nest boxes, and dropping boards with this and the vermin will leave or die.

Eggs four years old! Just think of it. Such eggs preserved in water glass, were recently examined by an



DE LAVAL THE WORLD'S RECORD CREAM SEPARATOR

Considered from "every point of the compass," so to speak, DE LAVAL Separators are truly "World's Record Machines." In original inventions, in skimming efficiency, and important improvements, in durability and ease and economy of operation, as well as in widespread usage and number of sales, the DE LAVAL has no competitor, or one that even approaches its record on any one of these points. The DE LAVAL was the original cream separator and by such all-important inventions as the "Alpha-Disc" system and "Split-Wing" device it has always led and is today from five to ten years ahead of all other machines. In close skimming, durability and ease of operation it shown an unbroken victorious record covering more than twenty-eight years. Thousands of tests have proven that it will save from \$3 to \$5 per cow each year of use over other separators. Nearly 900.000 machines have been sold to date and are used in ever country, being distributed by more than 10 for DE LAVAL branch houses and agencies in different parts of the world. Over 98 per cent of the world's creameries use only DE LAVAL machines, also all government and state experiment stations and every dairyman who has had real separator experience. The latest DE LAVAL models are ideal in every respect and represent the experience of over a quarter of a century in building separators. Send for new July, 1907 catalogue of the "World's Record" Separator.

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Old Colony Home Farm Herd of Poland-Chinas

L. W. TIMBERLAKE, PROP., WILL SELL AT PUBLIC AUCTION AT

Centralia, Kans., October 10, 1907

50--Head of Poland-Chinas--50

consisting of 19 spring gilts, 11 sows, 1 and 2 years old, his herd boar, Peter Pan, 4 yearling boars and 15 spring boars. Hosanna Chief 35531 by Highland Chief Jr., is the sire of part of this offering; he has 10½ inch bone, and weighs 800 pounds. Here is the place to get herd headers and brood sows with size and quality. Everything is properly fitted, well grown out, and will be sold to the highest bidder without reserve. Sale will commence at 1 P. M. sharp. Write for catalogue.

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HAVE YOU ONE WHO DRINKS? DO YOU DRINK? If so I can tell you how to cure at home without difficulty or unnecessary expenses. Send for a copy of my book and see for yourself how easy it is. Especially valuable to people of limited means and to those who wish to avoid publicity. Guaranteed free of any danger or bed after-effects. THE BOOK WILL BE A SURPRINE AND A REVELATION TO YOU. The book will be sent you immediately by sending your name and correct address to

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for a big game trip—who has traveled miles—endured hardships and finally gets a misfire instead of a moose, is one who does not use U. M. C. Big Game Cartridges.

U. M. C. Ammunition is sure fire.

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ORPINGTONS-1000 to sell to make room. Cat, free, W. H. Maxwell, 1996 McVicar Av., Topeka, Kans.

CHOICE Buff Orpington and B. P. Rock, ockerels, Coilie pups and bred bitches. Send or circular. W. B. Williams, Stella, Nebr.

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American Central Poultry Plant

BUFF, BLACK AND WHITE LANGSHANS, SILVER SPANGLED HAMBURGS, SILVER LACED, BUFF AND WHITE WYANDOTTES, SINGLE COMB, ROSE COMB AND BUFF LEGHORNS, BLACK MINORCAS, BUFF AND WHITE ROCKS, S. C. RHODE ISLAND REDS, BARRED ROCHS, BUFF ORPINGTONS AND LICHT BRAHAMS.

Also Bronze Turkeys, small Pekin ducks, Rouan ducks, Toulouse geese and peacocks. Each variety kept on separate tract of farm. Write for free twenty-page catalogue giving prices on stock and eggs. Address

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

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Light Brahma Chickens Choice pure bred cockerels for sale. White or call on

Chas. Foster & Son, Eldorado, Kans. Route 4

WYANDOTTES.

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.

LEGHORNS.

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, Chi-cago show 1993 and took six first prizes and first pen of Newton, 1994. Eggs, \$3 for 15. S. Perkins, 801 East First Street, Newton, Kans.

PLYMOUTH ROCKS.

WHITE ROCKS.—Some promising cockerels now offered at \$1 each. J. A. Kauffman, Abilene, Kans.

White Plymouth Rocks **EXCLUSIVELY**

Good for Bgys. Good to Bat. Good to Look At W. P. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 289 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 34 to 36%, 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 press office in the United States. Yards at residence, adjoining Washburn College. Address,

THOMAS OWEN, Sta. B. , Topeka, Kans.

RHODE ISLAND REDS.

NEOSHO POULTRY YARDS—Rose Comb R. I. Reds exclusively. Price of stock reasonable. J. W. Swartz, Americus, Kans.

MISCELLANEOUS.

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

Advertisers in the

Kansas Farmer Get Results

Are You One of Them?

expert of the U. S. Agricultural Department and found to have no unpleasant taste or smell and the white of the egg coagulated in cooking. At this age there is a slight taste like soda, and the white is pink in color and very liquid. Eggs kept in water glass about six months tasted and smelled like well-kept eggs a few days old. Changes in preserved eggs take place very gradually and at one year old are hardly noticeable. Out of 384 dozen eggs put up between April and June and sold between October and December, only five dozen were bad and these were cracked and broken.

Attractive Dress Goods for All

How to secure quality and beauty for a moderate price.
"To get the best of her money" is the aim of every woman when purchasing material for a dress.

of every woman when purchasing a dress.

The problem of securing good wearing quality, and beauty of design at a moderate price is solved by a certain line of fabrics now extensively displayed in the stores.

These goods make economical and elegant costumes, and they possess not only great beauty, but wonderful durability.

To get this material, ask for Simpson-Eddystone prints. They are dystone prints. They are



costumes, and they possess not only great beauty, but wonderful durability.

To get this material, ask for Simpson-Eddystone prints. They are be be had in a large variety of designs, including checks, stripes, dots, and the very latest figured patterns. They come in attractive colors, sliver grays, blacks, and whites, light indigo blues, and shepherd plaids, appropriate for all seasons.

Some of the designs have a new slik finish of superior beauty and brilthest finish finish of superior beauty and brilthest finish finish of superior beauty and brilthest finish finish finish of superior beauty and brilthest finish finish finish of superior beauty and brilthest finish finish



Kansas City Live Stock Market.

Kansas City Live Stock Market.

Kansas City Stock Yards, September 23, 1907. Heavy cattle receipts and lower prices on everything but corn fed steers ruled last week. The supply was 94,800 head, including 13,400 calves, the heaviest supply of cattle and calves combined ever received at Kansas City. Demand was phenomenal from all sources, and not only was the entire receipts absorbed, but the number held over at the end of the week was reduced 2,000 head from the close of previous week. The run today is much lighter than a week ago, at 19,000 head, market strong to 10 higher generally, cows and helfers 5 to 15 higher. Fed steers are becoming very scarce, top today \$6.80, and very few sales above \$6.00, short fed steers \$5.25 to 36.25. Grass killing steers range from \$3.75 to \$5.25. cows mainly at \$2.65 to \$3.75, heiters \$3.00 to \$4.50, although a few fed cows bring \$4.00 and upwards, and helfers better than \$5.00 calves declined heavily last week, and are about steady today, veals up to \$6.25, heavy calves \$3.25 to \$4.75, bulls \$2.35 to \$3.65. Purchases of stock and feeding cattle here last week exceeded any previous week at this market, or at any market in the world, 1,350 car loads going to the country. Missouri led, followed by Kansas, Illinois and Iowa in the order named. A great many buyers are here today, and prices are a shade stronger than close of last week stockers at \$3.25 to \$4.65, feeders \$3.75 to \$5.25, lathough choice heavy feeders, worth \$4.75 to \$5.25 have been scarce all along.

all along.

Hog receipts last week were 34,000 head, a small increase over same week last year, and the market made only a small net change, closing 5 to 10 cents lower than close of previous week. A good shipping demand held up prices most of the time, but on days when shippers were out, prices sagged. Run today is 5,500 head, market 5c higher, top \$5.35, bulk of sales \$6.10 to \$5.25. There was some effort lately to put heavy hogs down in line with other markets with only partial success, as bulk of sales at Chicago today range from \$5.85 to \$6.20. A year ago heavy hogs were on a parity with light weights.

J. A. RICKART.

Kansas City Grain Market.

Kansas City Grain Market.

Advices from abroad this morning plainly gave evidence of a let-up in the foreign demand for American wheat. Export bids were unsatisfactory. Liverpool quoted a decline of %d to %d. Berlin prices were down equal to 1%c a bushel, and Paris market was %c to %c lower and Budapest 1½c lower. Antwerp quoted a rise of %c.

As a result of the weakness abroad Chicago December wheat sold down %@%c at the outset to \$1.01% to \$1.014. There was a gradual fall of \$1.00%, a slow recovery to \$1.01% and another setback to \$1.00%. The close, \$1.00%, showed 1%c net loss for the day.

The Kansas City December wheat was relatively firmer than Chicago wheat, as it sold



has been successfully used for CURING and PREVENT. ING all manner of Swine Disease. 25-lb. Cane, \$6.75; [2%-lb. Cane, \$3.75 Cartone: \$1.50, 75 Cente and 25 Cente Makes more PORK, increases VITALITY and APPEARANCE of your logs. Send for FREE illustrated book, "HOGOLOGY," DR. JOS. HAAS REMEDY CO.. 140 S. Penn. St., Indianapolis, Ind.

FIRST ANNUAL Inter-State Fair

ELM RIDGE

Kansas City, Mo.

September 23 to October 5, Inclusive, 1907

EXHIBITS.

Beef Cattle Dairy Cattle Horses

Sheep Poultry

Thirteen Days and Nights

Education and Entertainment. A Worl i's Fair

EXHIBITS.

Horticulture Floriculture Fine Arts **Domestic Arts** Woman's Clubs

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Marvelous and Thrilling Feats of Daring by World's **Greatest Performers.**

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A Typical Exposition of the Progress of Kansas City and its Trade Territory.

THE WARPATH.

A Carnival of Fun and Frolic, Countless Attractions to Please Every Fancy.

EVERY NIGHT--THE SIEGE OF JERICHO.

The Most Stupendous and Magnificent Fireworks Spectacle Ever Produced. 250 People, 10 Carloads of Scenery.

12-DAYS OF RACING-12

Tretting, Pacing and Running—8 Stakes, 42 Purses

Kansas City's Greatest Show, Covering 157 Acres, Complete in Every Detail.

Opening Day, Mon. Sept. 23

Gates Open 9 A. M., Clese II P. M.

Reduced Rates on all Railroads

Talbott Poultry Farm

W. R. TALBOTT, Prop.

Hebron, Nebr

1907.

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ed." "For Sale" "For Exchange,"
Il want or special advertisement, for
e will be inserted in this column withty for 10 cents per line of seven works,
r week. Initials or a number counted
ord. No order accepted for less than

CATTLE

LE-25 head of fine Polled Durham cows

ALE-Richly bred Holstein-Frieslan cattle. ed Polled bulls or helfers, write to Otto

ALSALE-5 straight Cruickshank Shorts for sale at bargain prices for quality. H. fe. Topeka, Kans,

DEEN ANGUS CATTLE and Percheron stock for sale, Garret Hurst, breeder, swick County, Kans.

SWINE.

ALE—Large boned, extra size thorough-ind-China boar. 2 years old, best of breed-y. Cunningham, Route 2, Meriden, Kans,

ALE—Thoroughbred Duroc Jersey boars, ugh for service; also my herd boar. Pri-Address I. W. Poulton, Medora, Reno

ALE-Forty registered Duroc sows and for August and September farrow. Also pedigreed sows, bred to fine boars. R. O. Aldeu, Kans.

HORSES AND MULES.

ALE—One imported Belgian Stallon, one im-madian Coach Stallion and one Mammouth k. Mrs. L. R. Waldridge, Williamstown,

HERON STALLION FOR SALE—Owelecumstances I am forced to sell my
id registered Percheron stallion. He is
ind, big; has fine action and is a perow horse. Will fully guarantee him.
Cash. approved notes, or will trade for
J. B. Weldon, Eureka, Kans.

JACKS FOR SALE—3 and 4 years old, bred. Address S. C. Hedrick, Tecum-

SALE—One black team, 6 and 7 years ight 2000 pounds. Mr. and Mrs. Henry r. Wauneta, Kans.

JERSEYS

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scott's Jerseys

shed 1878. Registered in A. J. C. C. Records, 3 Generations, 14 lbs. 3 os.; 15 lbs. lbs 7 oz. L's Coomassie, bred and owned rid, holds the Champton, Milk Record of ed States for 1908, 369 lbs in 7 days. 1491 lbs. days, 91 lbs. 8 oz. butter. Young stuff both rate at all times. correspondence and inshitted. R. J. Linscott, Holton Kans.

Blossom House

Kansas City, Mo.

te Union Depot. Everything first-class, connection. Cars for the Stock Yards, the business and residence parts of the city and us (ity, Kansas, pass the door. Solid comfederate 1) ices. A trial will please you

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than a year ago, and included about 5 bushels from Russian and Danubian depressing influence of foreign declines mpered to some extent by the domestic a. The spring wheat movement is still at the Northwest receipts were only compared with 753 cars a year ago and is two years ago. The visible supply at showed a decrease of 1½ million compared with an increase of nearly on bushels a year ago.

It is to fine weather and a forecast for its ance, and large primary market rethe corn markets were weak. Chicago over corn dropped 1½c to 57½c in the first out, and later sold down to 56%c, where do for 1½c for the day.

Kansas City December price fell 1½c to ½c, and made no recovery. Plus of corn at Chicago were 1,270 cars, to 12 cars a year ago. The estimate for y is \$15 cars. Receipts at Kansas City Louis were also more than twice as a year ago, There were light frosts in Saturday night, but no damage was relardish orn prices were ¼d lower. Shipments last week were 4 million a ½ million bushels more than a week a year ago. The visible supply state-showed an increase of 289,000 bushels, a over the increase of a year ago.

In most of the day oats prices held up with only fractional declines, but in the sellings the weakness of wheat and corn of the oats market also. The Chicago ber price dropped ic to 51½c, the May 1½c and the September 1½c, all closing to the day cars a year ago.

In the close Saturday were as follows:

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Open. High. Low. today. Saturday.

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REAL ESTATE

WASHINGTON STATE.

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

HOG FARM FOR SALE.

120 acres in section 2, Rock Creek tp., Pottawatomie County, Kans.; small house and stable, good crib, shed and feed yards, windmill and scales, 35 acres hog pasture, 30 acres alfalfa, balance pasture; three miles from Blaine, four miles from Wheston on L. K. & W. railway. Worth \$30 per acre, but best bid up to November 15 gets it. Don't write; if interested look it over and make offer, Geo. P, Monroe, Blaine, Kans.

MARSHALL 240 acres 5 miles out, improved, 190 in culti., bal. timber and pasture; price only \$39 per acre. Also \$2,000 hardware stock for sale at \$25 con the stack, A good general mdse, stock in live town, doing good business; no old stock; want cash or good land, For particulars write E. J. McKee, Marysville, Kas,

TEXAS LAND—Secure land now. Prices advancing rapidly. Agents wanted. Shelden Realty Co., 822 Kansss Ave., Topeka, Kans.

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DORNWOOD FARM of 100 acres, well improved, located near city on electric line; for sale or will lease it with the stock to a competent manager. Address, Dornwood Farm, care Kansas Farmer, Topeka, Kans.

FOR SALE.

168 acres four and one-half miles from county seat, good buildings, 13 acres pasture, 6 acres alfalfa, heg-tight, balance in eultivation, ene-alf mile to school. Price 24,400. Time on part. I have all kinds and sizes. A. 8. Quisenberry, Marion, Kans.

SCOTCH COLLIES.

Scotch Collies.

Fifty-seven Cellie puppies just eld enough to ship. Place your orders early, so you can get one of the choice ones.

Walnut Grove Farm, Emperia, Kans.

MISCELLANEOUS

FOR SALE—A "Little Giant" (McCormick) shredder and husker; used two seasons; perfect repair; half price. Edwin Taylor, Edwardsville, Kans.

FOR SALE—About one car-load of sheep, mostly Shropshire ewes. A. J. White, Route 7, Topeka, Kans. Telephone Auburn Central.

CHOICE TABLE HONEY.—Direct from apiaries, f. o. b. car, one can \$0 pounds, net \$4.25; two cans, \$8.10. Prices of honey in friction-top pails on application. References Editors Kansas Farmer, Cheek & Wallinger, Los Animas, Colo.

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

WANTED—Manager er partner fer handling grain, beet and cattle ranch, 1,500 acres Western Kanses, partly irrigated land. Ad-dress Davis, eare Kansas Farmer.

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

WANTED—Men to learn barber trade. Will equip shop or furnish positions, few weeks completes, constant practice, careful instructions, tools given, wages Saturdays, diplomas granted. Write nearest Eranch for free catalogue. Meler System of Colleges, St. Leuis, Kansas City, Mo., or Omaha, Neb.

FOR SALE—New honey; write "the old reliable." A. S. PARSONS, 418 South Main Street, Rocky Ford, Golo.

BURAL BOOKS Send for descriptive list of books for farmers, gardeners, Seriets, archi-tests, stock raisers, fruit growers, artinans, housekeepers and sportsmen. Sent from Ad-dress The Kansas Farmer Company, Topeks,

WANTED—A second-hand traction engine, not less than 15 house power. Dr. W. E. Barken, Changes, Ease,

Stray List

Week ending September 19.

Montgomery County—E. H. Stewart, Clerk.
HEIF's.R.—Taken up by Geo. Eriggans in Fawa
Creek Tp., one-year-o d roan helice, fair size and
marked and branded as follows: White face, crop on
right ear, overslops and underslope on left ear,
branded O. K. on left. Address Jefferson, Kansas,
Boute 1.

LEGAL

FRED C. SLATER, Lawyer. Topeka,

Collections made in all parts of the country. Advice given on m and estates investigated in all parts of the world.

(First published in The Kansse Farmer September 19, 1907.)

PUBLICATION NOTICE. the District Court of Shawnee County,

Mans.
Nannie J. Pitcher, Plaintiff vs. John G.
Williamson, I. Bbert, and Mary Hogaboom, Defendants.

Williamson, I. Bbert, and Mary Hogaboom, Defendants.

If the above-named defendants are alive they will take notice that they have been sued in said Court by said plaintiff in the above-entitled action. And if they are dead their heirs, devisees, administrators, executors and trustees will take notice that they have been sued in said Court in said action by said plaintiff to quiet her title to the west half of the north two-thirds of the northeast quarter of Section Thirty-three in Township Ten, Range Sixteen, in Shawnee County, Kansas, as against them and to bar them from ever setting up any claim or title to said land or any part thereof. And they are further notified that they must answer the petition filed by plaintiff in said action on or before the list day of October, 1907 or the petition will be taken as true and judgment rendered against them accordingly.

Matt Campbell, Attorney for plaintiff.

REAL ESTATE

REAL ESTATE

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DAVIS, WELLCOME & CO.,

Stormont Bidg., IOF West Sixth St.

TOPEKA, KANSAS

FINE STOCK FARM FOR SALE 445 acres at a bargain on easy terms. Write for full description. D. P. Norton, Dunlap, Kans.

WANTED—A renter for fine dairy business and farm of 780 acres, 180 acres in cultivation, 45 milk cows, 50 steck cows. Registered bulls, calves, yearlings and 8 breed sows. Milk and cream contract for Reck Island read. Dairy now paying about 1300 per menth. Applicant must furnish references. I. D. Graham, Secretary State Dairy Association, Tepeka, Kans.

\$350 WILL BUY 30 acres; Christian County, Southeast Missouri. Perfect title; terms \$19 monthly. W. M. B. Williams, Mt. Vernen, Ill.

240 ACRES in the Kingdom of the Big Red Steer, 100 sultivated, 10 meadow, 120 pasture; good apple orehard and other fruit; frame 7-reom heuse; good barn; living water; limestens soil; 1 mile to school; 5 to station; 15 to Em-poria. Price \$5,500. Hurley & Jennings, Em-poria, Kans.

FOR SALE—Fruit lands, farms and timber. Stock do well in this section. German truck farmers can make big mency. I can lean your money on good security. Campbell, P. O. Bex 65, Van Buren, Ark.

Alfalfa Stock Ranch.

728.ACR ES; 1½ miles from good railroad town and 39 miles from Wichita, Kans.; 3½ acres in blue-stem prairie grass; 200 acres in alfaifs, balance in cora; good 9-room residence and 3-room house; large bank barn, large granary, cornerlo, scale-house 20x30, three cattle and hog she's 15x100; all fenced and cross-fenced, 30 acres hog tight; seven good wells of water and two windmills; Timber Creek runs through the farm and is fed by large, numerous springs; good orchard, 2 acres of garden fenced chicken tight. Price \$23,500. Terms to suit purchaser.

NELSON REAL ESTATE & IMG. CO.. N. Main St.. - Wichita, Kansas

This tract of land centains 4.33 acres, and lays nine miles north of Dedge City, in the morth part of Ferd, and the senth part of Hedgeman counties. It is all fenced and cross-fenced; two good sets of imprevenments, consisting of dwellings, heree barns, cattle-sheds, granaries, etc., etc.; 175 acres new 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. Hawled the first stands in the first springs to be found in Western Kansas. Hawled Crock runs through the land, and has in it poels of clear standing water the year reund. All of this ranch is the very best of wheat land, and about 160 acres is splendid alfalfa land. We will sell this entire tract for 10.00 per acre and carry \$4.00 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 surreunded by well improved wheat and alfalfa farms. Tow last chance to buy this tract of lead.

FRIZELL & ELY, Larned, Kansas

FARM BARGAINS

Good farms for sale in Wilson and Mont-gomery Counties, Kansas. We have some real bargains. Write for particulars.

THE SOUTH EAST REALTY CO. Lafontaine, Kans.

Norton County Alfalfa and Corn Farms

We sell Norten County lands where wheat, own and alfalfa grew in abundance. Write us for list of farms, and full particulars.

LOWE & BOWERS, Almena, - - - - Kansas

A Cheap Wheat Farm in Stanton County, Ks.

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, MoPherson, Kans.

Grain and Dairy Farms

Around Topoka. Also Fruit farms and Stock farms for cattle, hogs and horses. Raise cora, cats, wheat, alfalfa, tame grasses. Unreason-ably cheap; too cheap to last. Write for par-ticulars.

QEO. M. NOBLE & CO.

Real Estate and Loans. Opposite Postoffice, - Topeka, Kansas

AUCTIONEERS

AUCTIONEER C. M. CREWS

1231 East 6th Street, TOPEKA, KANSAS.
Both phones 780. Live Stock Sales a Specialty. Correspondence regarding pure-bred sales invited.
REFERENCE: Shawnee Breeders' Association and Kansas Earmer.

AUCTIONEERS

E. E. POTTER, Sterling, Kansas, Live Stock Auctioneer

Pure bred stock sales a specialty. Best of reference. Write, wire or phone for terms and dates at my expense.

John Daum Nortegytte, Kansas Live Stock Auctioneer

Fine stock a specialty. Large acquaintance among stock breeders. Sales made anywhere. Working and booked for best breeders in the State. Write or wire for dates.

W. H. TROSPER

Frankfort, Kansas. An Austioneer with 108 successful sales to

Reference: Those for whom I have sold. Sale tent without charge if desired.

FRANK J. ZAUN LIVE STOCK AUCTIONEER.

INDEPENDENCE, MO.

Rates Reasonable. Write or wire me for dates. Phones, Bell 586-M. Home, 1393. "Get Zaun--He Knows How."

J. M. POLLOM, Auctioneer.

North Topeka, - Kansas.

Terms reasonable. Satisfaction guaranteed. Write me before making engagements. Also breeder of Poland Cnina Hogs.

Reute No. 4. Ind. Phone, 6472. H. L. CHRISTMAN, THAYER, KANS.

Live - Stock - Auctioneer Draft Horse and Hog Sales a Specialty.....

WRITE FOR DATES AND TERMS

L. R. BRADY Fine Stock Auctioneer,

Manhattan, Kans, Makes a special study of the preparation for public sales and the general conduct of the same, as well as the actual selling. A life-time in the fine stock business. Terms and dates by mail, wire or 'phone.

L. S. Kent Live Stock Auctioneer

Hutchinson, Kansas .. My large acquaintance with breeders of pure-bred stock, ranchmen and feeders enables me to be of value to any one making a large farm or pure-bred stock sale. My motto is honest work at honest prices and satisfaction to patrons. Phone, write or wire me for terms and dates.

Col. T. E. Gordon, Live-Stock Auctioneer

Waterville, Kansas

References- Those for whom I have sold. EDUCATION IS ESSENTIAL IN

EVERY LINE.

I have the natural qualifications for an auctioneer and have had the benefit of a term of training in the American Auction School located at Chillicothe, Mo., which school provides a thorough course not only in practical autioneering but also stock judging and other things that very successful auctioneers should know. My terms are reasonable for good service.

W. C. CURPHEY. Abliene, Kans.

JAS. W. SPARKS

Live Stock Auctioneer. Marshall, Mo.

Sales of pedigree stock a specialty. Sixteen years selling for America's best breeders.

R. L. HARRIMAN

Live Stock Auctioneer

Bunceton, - - Missouri

AMERICAN ROYAL LIVE STOCK SHOW.

AT THE KANSAS CITY STOCK YARDS.

Kansas City, Mo., October 14-19, 1907

SALE DATES:

Herefords, Tuesday, October 15.
Angus, Wednesday, October 16.
Shorthorns, Thursday, October 17.
Galloways, Friday, October 18.
Poland-Chinas, Wednesday, October 16.
Duroc-Jerseys, Thursday, October 17.
Berkshires, Friday, October 18.

For premium list and other information address

T. J. WORNALL, Secy.-Treas., Liberty, Mo.

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Pure-Bred Poland-Chinas

AT AUGITION

Independence, Mo., Saturday, Oct. 12, '07

41-- Head of Pure-bred Poland-Chinas--41

Consisting of bred and open sows, gilts, and young boars, representing some of the most popular blood lines of the breed. Sired by Proud Perfection, Missouri's Keep On, Grand Perfection and other good boars.

The offering has been carefully selected and you will find something here that you can turn in your brood sow sale this winter with profit. If you are looking for good hogs don't fail to attend this sale. Remember the date and place, October 12, at Independence, Mo. For catalogue address

D. C. STAYTON,

Blue Springs, Mo.

Auctioneers: { Col. Jas. W. Sparks Col. F. J. Zaun

Eighth Sale of Poland-China Hogs

Sale Pavilion, Rosendale, Mo., Thursday, Oct. 3, '07.

32 Boars

18 Sows

We are offering as good a lot of money-making Poland-Chinas as was ever put in the sale ring. Everyone of them is the descendant of large prolific ancestry, possessing great size, bone and smoothness. We cordially invite you to attend our sale on October 3.

M. BRADFORD & SON,

ROSENDALE, MO.

Auctioneers: Duncan Bros., K. C. Deaton.

GRAND TWO DAYS SALE=

Poland-China Hogs and Shorthorn Cattle

Edgerton, Kans., Thursday and Friday, October 10 and 11.

FRIDAY, OCTOBER 11, I will hold my annual fall sale of Poland-Chinas which includes the get of Grand Keep On, Grand Perfection 2d and Corrector 2d (these of my own raising) and others by the best boars of the breed, which I have bought in some of the best sales the past year. I have bought some of the best animals in the prominent sales both east and west and I believe my offering will include some of the best stock to be offered this fall.

THURSDAY, OCTOBER 10, I will disperse my herd of Shorthorns. These cattle are of choice breeding, but are in just plain farm condition and there will be bargains galore for Shorthorn buyers.

Catalogues are now ready and will be sent on application. Address

J. F. HASTINGS, Edgerton, Kansas.

Auctioneers: Sparks and Zaun.