

KANSAS FARMER

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SOILS—PROFESSOR BURKETT'S NEW BOOK.

Persons interested in the study of the soil and persons engaged in teaching those branches of learning which have to do with the soil have long wished for a book which while scientifically correct and up-to-date should be also easily understood. Such a book has just been published by the Orange Judd Company. The author is Dr. Charles William Burkett, Director of the Kansas

"THE SOIL THAT LIVING THINGS HAVE MADE.

"No one knows just when the first plant came into the world, nor the kind; it was too far back in the dim ages of the past; long before any history was ever written; long even before man or bird or beast had yet appeared. We may be sure, however, that it was a very tiny plant, so small that the little roots did not need to go deep into the earth, for the soil was just beginning its



Model Chief Again 42943 by Model Chief and he by Ohio Chief. This popular herd boar is one of the great boars in Grant Chapin's herd of Durocs at Green, Kans., and is the sire of most of the offspring of fifty boars and gilts which Mr. Chapin is making at the Agricultural College, at Manhattan, Kans., the 30th of this month.

Agricultural Experiment Station. The thoroughness with which Dr. Burkett has covered the ground is exceeded only by the entertaining manner in which the matter is presented. The book contains 303 pages, is excellently illustrated, and is provided with an index so perfect that any branch of any discussion may be easily referred to.

It is difficult to select a sample, or rather to determine where to stop if one begins with a quotation from the book. Perhaps the following from Chapter II will assist in forming an opinion of the work:

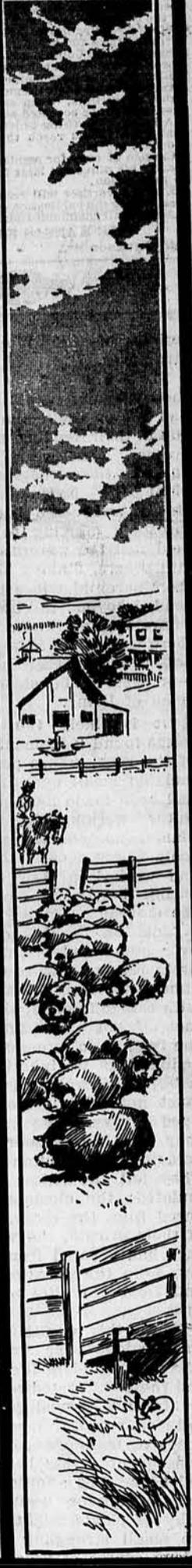
growth. We may be safe even in saying that these early forms of plants had only the rock itself for their homes, and on this rock they established themselves, sending their small roots just the finest bit into the crevices and into the opened particles that had been lost by air and water by heat and cold.

"The Beginning of Plant Growth.—But doubtless the earliest forms of plant life were aquatic in character; they lived in the water. We have learned of the solvent power of water. Many of the early stagnant pools became depositories of water holding solution the dissolved mineral ma-

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KANSAS FARMER.

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terials of the kind forming rock structures.

"This was just the sort of food that these pioneer plants fancied, for they and all of their kind since have secured their feeding materials in this manner. As years and centuries passed, these beginning forms of plant life became stronger, more steady and some became quite venturesome clinging to the rocks that held fast the waters of the pool; and still others, flinging the experience of their parental tribes to the winds, ascended beyond the limits of the pond, where flowing water was uncommon, there to become adjusted to their new homes and to their new environment—at last to be stationary in their rates of living.

"It is likely the first stationary forms found lodgement in the crevices of the rock, where perhaps had accumulated small quantities of soil that had been made long before by air and water working in unison. These plants, no doubt, set their fibrous roots firmly against the rock surfaces and worked in their own way in securing the coveted elements locked in the storehouse of the rocks.

"Just as the ivy of today creeps over stone and brick, so did these first forms secure their food substances for their life and growth. But with this difference; those were small, insignificant plants and of low order; the ivy has culture, good breeding and pedigree as its inheritance.

"Real Soil was Made and Left.—You must not think these pioneer plants lived forever. They grow old in time: they die. But at their death they left valuable contribution to the world. They left the riches they had accumulated: the elements they had secured from the rocks, the substances of their growth, the wee beds of soil they had secured from their forefathers, from the donations of the wind, and from the gifts of air and moisture.

"With this wealth available, there was no longer so great a struggle. The decayed plant life in the crevices and the deteriorated rock afforded better feeding ground for plants, more soil for support, more food for the needs of maintenance and of growth. Consequently, this bettering of material necessities afforded increased opportunities for growth. A higher order of plants might now come. So the small struggling plants, through a long course of years, changed, now

gradually, now suddenly, into stronger varieties and species—onward and upward in the scale until the time when soil was present in abundance, when the higher plants, useful for food and raiment, might be secure and safe, thoroughly fitted and abundantly adapted to all the environmental conditions needed for their complete development and growth.

"The Work of Plants in Soil-building.—It follows, then, that every kind of plant is a soil builder. The decay of the plant at once produces a change in the texture of the soil-making material. It is this addition of the organic matter—the dead plant—that produces this constantly performed miracle: for as the plant decays in the soil, the particles of soil in contact with it likewise decay. In other words, soil rotting is soil making. Decay of any material in the soil—organic or not—factors and induces the breaking down of the various complex compounds forming the rock, or the raw or the untamed soils.

"The addition of vegetable matter to the soil has assisted in soil-making from the time that plants came first to the planet; it has increased the efficiency of all other agencies ever since the early days; and at the very present time it is the soil builder's best friend—its decay is essential to the feeding of plants.

"The roots of plants have done their work in soil making. A great work it has been! For they have gone deep into the soil making tiny channels for air and water; creeping into crevices of rocks they have continued their growth and their enlargement, in the end, breaking many rocks asunder, dislodging others from their beds,—exposing all to the disintegrating influences of air and moisture, of heat and cold.

"And roots—especially the small, fibrous ones—have a solvent action as well. The juice they exude at the tips, and the moisture with which they surround themselves, work a change in the soil particles between which they grow. Limestone or granite or feldspar or mica slowly but surely succumb to the deteriorating action of root life.

"Animals the Modern Soil-makers.—Soil-making was considerably advanced when animals first made their appearance. But animals of all sorts have been potent workers in soil making, the higher animals largely by the manurial return to the land and the lower forms through the manurial effect, but also in directly affecting the physical conformation of earth.

"For does not the ant seek the earth for its home and shelter, to construct there its house of many rooms, with the many tunnels connecting the dwellings of the Nation? What are these homes and these tunnels but underground traps for air and moisture—soil builders?

"Besides the work done in this direction, a tremendous quantity of earth is annually turned over and exposed to sunshine and rain, to heat and cold, to every influence concerned with soil making and soil improvement.

"Every sort of insect or animal that burrows into the soil, that opens it, or tunnels it, or loosens it, contributes not a little to soil making: the ant that builds there, the mole that tunnels, the prairie dog or hedgehog that burrows, the earth worm glides and crawls, and even eats and digests—all are man's good friends in having had a hand in preparing the surface of the earth for the luxuriant growth of vegetable life."

PARTITION FENCES.

EDITOR KANSAS FARMER:—A and B own farms that join. A wants a partition fence. Can A compel B to build one-half of the fence? M.
Dickinson County.

The laws of Kansas provide, Sec. 3153 General Statutes of 1905, that "the owners of adjoining lands shall keep up and maintain in good repair all partition fences between them in equal shares, so long as both parties continue to occupy or improve such lands, unless otherwise agreed."

Section 3157 provides that if either party neglect or refuse to erect or

maintain his part of the fence, the other party may build the fence and recover the cost thereof with interest, etc.

The necessary proceedings are clearly set out in the Statutes. Call on a justice of the peace or the township trustee or on any county officer and read the law. It will be found as amended under the heading "Fences" in any copy of the Statutes issued since 1901.

A WARD'S INHERITANCE.

EDITOR KANSAS FARMER:—I wish you would give me some information upon a legal matter concerning my ward. When her father died he had a life insurance of \$3,000 and I think real estate, that sold for \$1,000. His indebtedness amounted to between \$1,000 and \$1,100. There are four children, and the one I have, I adopted before he died. There was no will left. His brother kept two of the children. The one I adopted has now become of age. His brother, that took two of the children, was made guardian of all four children. After I took the child I moved to Indiana and in 1893 my wife made a visit back here and he asked the privilege of investing or caring for my ward's money. He said he would put it out at interest for her. When my wife came back to Indiana she told me his request and we thinking he was her uncle and would care for it, we consented. In 1897 he sent me word that he had her money out at interest, and when she became of age she would have a nice amount. But the witness is dead and when she became of age, 18 years old, she asked her uncle about the money and he said he had nothing for her. That her father on his death bed requested him to leave the money he left for the benefit of the two that he kept. Her uncle is one of the leading attorneys of this city, and I wish you would kindly advise me in just what manner to proceed against him.

Would my adopting her before her father's death cause her to cease to be his legal heir? What age would she have to be before she could draw her money from her guardian, and can I get interest on her money from time he settled the estate with the court?

When she called upon him for her money he offered no objection only that her father told him to use it on the two children he had. It looks to me my adopting the one I have, I would have had control of her property, but I never thought anything about it at the time. H. E. HOPKINS.
Barton County.

The first important question here raised is whether the father of the children mentioned did or did not during his last illness make a verbal will depriving our correspondent's ward of any share in his estate. Such verbal will to be effective must comply fully with the provision of section 69 of Chapter 117 of the General Statutes of 1868. Such will must also have been duly admitted to probate as provided in section 29 of said chapter 117. Compliance with section 29, if had, will be found a matter of record in the probate court.

The second important question is whether the fact that the girl had been adopted as the child of foster parents would deprive her of the right to inherit from her real father? This question would lose its importance in this case if the real father did, by will duly made and duly executed, give all of his property to others. On this second question there is some difference of opinion among attorneys. The question has never been decided by the Kansas Supreme Court. The weight of decisions in other States favors the view that in the absence of other disposition of properties by will, the ward would inherit both from her own parents and from her foster parents.

A question as to the regularity of the adoption may be raised. If the essential provisions of the law concerning adoption—sections 5 and 6 of article 1 of chapter 67 of the General Statutes of 1868—were not complied with, the irregular adoption would not deprive the young lady of her right to inherit from her father even though

it were held that a regularly adopted child were by such adoption deprived of such right.

There are so many uncertainties and so many important facts in this case that the editor advises the employment of a good lawyer to examine into the case and render an opinion whether suit should be brought, paying the lawyer for his opinion whether it be for or against a suit. There are several good lawyers in Great Bend, any of whom can be depended upon to make the necessary investigation, to give an honest opinion, and to charge only a reasonable fee.

THE KANSAS FARMER is in receipt of an unsigned letter from Wellington, Kans., which contains cash and the name of a new subscriber. If the writer will please send his name, we can give him proper credit.

The Kansas Farmer is in receipt of a communication from C. K. Dumkeley, but the letter has no postoffice address given. On receipt of the postoffice address proper credit will be given this party.

The Farmers' National Congress, which is in reality a National Institute, convenes in Oklahoma City, October 17 for a five days' session.

Subscribers for THE KANSAS FARMER can obtain Director Burkett's book on Soils by sending their orders with the price, \$1.25 to this office.

Miscellany

General Crop Condition Comparison.

The following table gives the average yield, condition, or production of various crops, as reported by the Bureau of Statistics of the U. S. Department of Agriculture October 1st, with comparisons. Condition reports upon crops that were harvested before October 1st, refer to the condition at time of harvest. Estimates of production are upon a basis of 100 representing a full crop. All figures under September 1 represent condition at that date.

Crops.	1907	1906	1905	1904
Alfalfa, condition.....	90	92	92	92
Apples, condition.....	34	35	69	55.1
Barley, bu. per acre.....	23.9	78.5	28.3	25.1
Barley, quality.....	88.1		89.1	
Beans, production.....	79	83	86	
Broomcorn, production.....	85	83	89	
Buckwheat, condition.....	80.1	77.4	85	82.1
Cabbage, production.....	84	85	82	
Clover seed, production.....	65	77	69	
Corn, condition.....	78	80.2	90	73.1
Cranberries, condition.....	78	78	80	
Flax, condition.....	78	85	87	83
Grapes, condition.....	82	82	86	84.1
Hay, tons per acre.....	1.44		1.35	1.1
Hay, quality.....	90.4		89.9	
Hemp, production.....	87	86	91	
Hops, lbs. per acre.....	1114	88	1101	1069
Hops, quality.....	90		95	
Kafir-corn, forage product.....	84	83	93	
Millet hay, production.....	83	84	89	
Millet seed, production.....	82		87	
Oats, bu. per acre.....	23.5	65	31.2	30.1
Oats, quality.....	77		88.2	82.1
Onions, production.....	87	88	85	
Peanuts, condition.....	85	86	85	
Potatoes, condition.....	77	80.2	82	71.1
Rice, condition.....	88.7	87	87.2	88.1
Rye, bu. per acre.....	16.4		15.7	15.1
Rye, quality.....	81.6		84.1	
Sorghum, condition.....	80	82	89	
Sugarbeets, condition.....	90.5	92	95	
Sugarcane, condition.....	92	94	82	85.1
Sweet potatoes, condition.....	83	86	86	82.1
Tobacco, condition.....	84.8	82.5	84.6	81.1
Tomatoes, production.....	86	83	81	
Wheat, spring, bu. per acre.....	13.1	77	13.7	14.8
Wheat, spring quality.....	88.8		88.5	
Watermelons, production.....	75	76	80	

*Five year average.
†Four years.
Preliminary estimates of total production of such crops as have been reported upon to the present time, are given below with last year's final estimates for comparison. Estimates for 1907 are subject to revision when final results are published in December.

Crop.	1907.	1906.
Winter wheat, bu.....	409,500,000	492,388,000
Spring wheat, bu.....	216,067,000	242,374,000
Oats, bu.....	741,621,000	964,905,000
Barley, bu.....	147,192,000	178,916,000
Rye, bu.....	31,566,000	33,375,000
Hay, tons.....	60,766,000	57,146,000

The Buffalo Evening News tells of the final settlement of a famous damage suit as follows:

"The big judgment recovered by Dr. Pierce's World's Dispensary Medical Association against the Curtis Publishing Company, publishers of the Ladies Home Journal, has been paid and a satisfaction of the judgment filed in the

office of County Clerk Price. The sum named in settlement was \$17,531.48.

"Thus ends one of the most famous lawsuits ever tried in this part of the country. Dr. Pierce claimed heavy damages by reason of an article published in the Ladies' Home Journal derogatory to the merits of Golden Medical Discovery and Favorite Prescription. The verdict was the largest of its kind ever reported in a local court."

The Bureau of Plant Industry.
GUY ELLIOTT MITCHELL.

As its name implies, this bureau of the Department of Agriculture at Washington has to do with the growth of economic plant life. Its chief, Dr. Beverly T. Galloway, plant pathologist and physiologist, directs the work of a couple of score of practical scientists and figuratively keeps his fingers upon the wires which lead to every phase of crop-growth—plant improvements, diseases, new creations, introduction of foreign plants, cross-breeding of plants, known as hybridizing, advanced methods of culture, fertilization, seed frauds, marketing, transportation, and last but not least, if not in importance, then in the matter of expense to the nation, the distribution of several million packets of free seeds for the benefit not so much of the farmer as of Congressmen who imagine that this sort of thing makes them "solid" with their constituents.

Secretary Wilson once said to me that the man who could organize this big bureau of plant industry into its then present state of high efficiency, possessed a master brain, "and there is the man who is doing it," he added, nodding his massive head toward Dr. Galloway, as the latter passed out of the door of Mr. Wilson's office.

COVERING ALL THE UNITED STATES.

Many and interesting are the individual lives of experiment, investigation and assistance which the various divisions of the bureau are engaged in in the interests of the American farmer. They cover every State and Territory and every agricultural county and district in the United States, as well as Alaska, Hawaii, the Philippines and Porto Rico. Explorers of the bureau search the nooks and corners of the Old World, of South America, Africa and the Islands for new plants which may prove of benefit to us, and when anything is discovered which promises well, it is first tested on a small scale and then more extensively until in some instances the introduction has entirely supplanted some similar but inferior crop which the farmers of a whole section of country have been raising.

WONDERFULLY HARDY ALFALFA.

Take at random some of the lines of work upon which the Bureau of Plant Industry is now engaged. A new Siberian alfalfa is being tried which is native to a rigorous climate where the thermometer goes 40 degrees below zero, without snow. It is proposed that we make at home the \$4,000,000 worth of matting for which we send our money abroad annually, by the substitution of matting rushes for the common rush which now occupies our swamp and tidal regions.

A hardy pistache nut which has been found in Asia has greatly widened the field in America for the growth of this valuable dry land nut crop.

Effective work is in progress for the control of pear blight, peach yellows, little peach disease, apple bitter rot and other fruit diseases.

Disease-resistant types of many plants are being bred up to overcome such troubles as melon, cotton or flax wilt, potato blight, etc.

Kharkof wheat has been introduced into the northwest and Dr. Galloway says that in several States where it has been grown, the yield per acre has been increased on an average of five bushels.

BARLEY YIELD INCREASED BY HALF.

Winter barley, a new introduction, is in many instances giving 50 per cent more grain than the old spring barley.

Under the Bureau's supervision, the first commercial crop of sugar beet

seed has been grown, all from beets showing sugar contents of 21 and 22 per cent. While a few years ago American beet showers had to depend upon German seed, now the American seed far surpasses the best imported.

Experiments in long distance shipments and the storage of perishable fruits show that the cold-storage and refrigerator companies have been a long way from the best methods of handling fruit.

The production of citranges, or hardy oranges and grape-fruit is one of the striking triumphs of the patient work of the bureau. This splendid fruit can now be grown over the entire southern third of the United States where there is sufficient rainfall, and on the whole Pacific Coast.

The successful manner in which high priced Sumatra and Cuban tobacco is being produced at far north as Connecticut, as a result of the bureau's work, is startling.

Camphor is a most expensive article and its production is controlled almost entirely by Japan; but we can successfully grow it, Dr. Galloway says, over large areas in the South. Much the same can be said of our ability to grow our own tea, and a vastly superior article to the most of the imported article.

AT THE FARMER'S SERVICE.

Another thing which the Bureau of Plant Industry has undertaken is the establishment of "object lesson farms" and they are of great importance assuredly to the sections where located. "These farms," said Dr. Galloway, "demonstrate the great value of intelligent management as compared with hard work applied unintelligently."

The Bureau of Plant Industry takes the farmer into its confidence. It stands ready to aid him in every way to utilize the full possibilities of his land. If the man who is working a piece of land is not too wise to learn, he can get a great deal of real help from this extensive bureau of the Department of Agriculture.

Irrigation in Mesopotamia.

Consul William C. Magelssen, writing from Bagdad, in Asiatic Turkey, calls attention to a vast irrigation program in that arid country and the present demand for pumping plants.

As is well-known, Mesopotamia was once a garden spot, watered by irrigation from the Euphrates and Tigris. But the canals have fallen into ruin; partly, perhaps, because of wars, causing neglect of the canals; partly, perhaps, because the forests were cut off, causing the water supply to fail and partly, as some say, because alkali accumulated in the soil, as in some irrigated regions of our own West.

But modern influences are at work. It is said that Sir William Wihcock, the engineering and irrigation expert, is seeking to bring back these regions to cultivation. His two principal projects are estimated to cost respectively \$20,000,000 and \$17,000,000, his calculations showing a probable return on the outlay of from 16 to 19 per cent. Bagdad is the center of the area which it is proposed to irrigate.

—Thos. E. Will.

The Shawnee Alfalfa Club will hold its regular monthly meeting at the Commercial Club rooms, 625 Kansas Avenue, Topeka on Saturday, October 26, at 2 o'clock p. m. A specially interesting meeting is anticipated as many men of experience will be present to speak. Several hundred farmers were present at the last meeting when an exhibit of alfalfa machinery was made an interesting feature. Everybody is welcome. There are no fees or dues to pay. Come and tell what you know or hear what others know.

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- Auditor.....Mrs. Grace L. Snyder, Cawker City

Our Club Roll

- Excelsior Club (1902).....Potwin, Butler Co.
 - Women's Literary Club (1902) Osborne, Osborne Co.
 - Women's Club (1902).....Logan, Phillips Co.
 - Domestic Science Club (1888).....Osage, Osage Co.
 - Ladies' Social Society No. 1, (1888).....Minneapolis, Ottawa Co.
 - Challiso Club (1902).....Highland Park, Shawnee Co.
 - Cultus Club (1902).....Phillipsburg, Phillips Co.
 - Literateur Club (1908).....Ford, Ford Co.
 - Star Valley Women's Club (1902).....Iola, Allen Co.
 - West Side Forestry Club (1906).....Topeka, Shawnee Co., Route 8.
 - Fortnight Club (1908).....Grant Township, Reno Co.
 - Progressive Society (1908).....Rosalia, Butler Co.
 - Pleasant Hour Club (1899).....Wakarusa Township, Douglas Co.
 - The Lady Farmer's Institute (1902).....Marysville, Marshall Co.
 - Women's Country Club.....Anthony, Harper Co.
 - Richardson Embroidery Club (1902).....Madison, Greenwood Co.
 - Prentiss Reading Club (1908) Cawker City, Mitchell Co.
 - Cosmos Club.....Russell, Kans.
 - The Sunflower Club (1908).....Perry, Jefferson Co.
 - Chaldean Club (1904).....Sterling, Rice Co.
 - Jewel Reading Club.....Osage Co.
 - The Mutual Helpers (1908).....Madison, Kans.
 - West Side Study Club (1908).....Delphos, Ottawa Co.
 - Domestic Science Club (1908) Berrington, Shawnee Co.
 - Mutual Improvement Club (1908).....Vermillion, Marshall Co.
 - Clio Club (1897).....Columbus, Kans.
 - Centralia Reading Circle.....Nemaha Co.
- (All communications for the Club Department should be directed to Miss Ruth Cowgill, Editor Club Department.)

Program.

Responses. Favorite quotations.

1. The school building and school yard.
2. The relation of parents to the school.
3. The rural schools of the future.
4. Select reading.

Clubs will find this a very profitable subject and is one that should be discussed at least once during the club year.

1. This paper should discuss the school building, inside and out, as to its sanitary and comfortable condition, and as to its appearance. Suggest plans for the improvements and beautifying the school in your district.

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2. This is a topic that should appeal to every mother and may be presented so as to bring the mothers into closer relations with the school and the teacher, and result in great good to both.

3. In this paper may be discussed the consolidation of the rural schools, the introduction of nature study, agriculture, and manual training and other not impossible and vital things that can come into the country schools.

4. For a reading, selections from Hoosier School Master may be chosen.

A Good Program.

The Domestic Science Club of Jersey-Creek is one of the clubs that have their meetings during the summer. They continue from April to the last of December. The following is their program for October 24, taken from their year book:

- Music by the gramophone.
- Responses. Tributes to women.
- The true significance of a woman's club.
- Woman's work a power.
- Woman's duty at home.
- Woman's social duty.
- Select reading.
- Music.

Stock Interests

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

The Missouri State Fair.

The seventh annual exhibition of the Missouri State Fair was held at Sedalia, Mo., last week and was a wonderful exposition of the productiveness of that great State, the products of which have been brought to the highest degree of excellence by her progressive and enterprising citizens. It was by all odds the largest ever held in the State, in all of its departments.

The agricultural displays were larger and better than ever, and the live-stock exhibit surpassed all exhibitions of previous years. Prize-winning cattle, horses, mules, jacks, and hogs were in evidence from nearly twenty States. The cattle exhibit was remarkably fine, and the swine exhibit, while not so large as at some of her sister State fairs, was equal to any in point of quality.

Representatives from the very best herds of Missouri, Kansas, Illinois, Indiana, Oklahoma, and Indian Territory were in competition for honors.

In the sheep department the exhibit was first-class throughout, and much larger than ever. This was largely due to the indefatigable efforts of M. V. Carroll, editor of The Ruralist and secretary of the Missouri Sheep Breeders' Association. While he has been, and is yet, laboring for "more and better sheep for Missouri," he had done much to raise the standard of this class of livestock throughout the entire middle West, and the success of this department of the fair lays an eloquent trophy at the feet of a worthy man.

The general attractions were of a high order and greatly enjoyed by the thousands who witnessed them.

The weather was ideal, and the attendance with much larger than at any previous exhibition of this fair.

The Missouri State Fair is making a creditable record and promises to be one of the great agricultural and live-stock expositions of the country.

Below are the awards:

SHORTHORNS.

Aged bull; 4 entries shown—First, Master of the Grove, Case & Newell, Carthage Mo.; second, Bapton Favorite, C. E. Clarke, St. Cloud, Minn.; third, Whitehall King, F. W. Harding, Waukesha, Wis. Two-year-old bull; 4 entries shown—First, Avondale, Carpenter & Ross, Mansfield, Ohio; second, Hallwood Goods, J. H. McCulloch & Son, Creighton, Mo. Senior yearling bull; 3 entries shown—First, Anoka Sultan, Harding; second, Flower Knight, Clarke; third, Golden President, Case & Newell. Junior yearling bull; 2 entries shown—First, Careless Conqueror 2d, T. J. Wornall & Sons, Liberty, Mo.; second, Duke of Maple Hill, W. E. Thomas, Bogard, Mo. Senior bull calf; 5 entries shown—First, Marshall's Best, Harding; second, Temptation, T. K. Tomson & Sons, Dover, Kans.; third, Nonpareil Diamond's Choice 2d, N. H. Gentry, Sedalia, Mo.; fourth, Hallwood Model, Ed. M. Hall, Carthage, Mo. Junior bull calf; 5 entries shown—First, Count Winfred, Clarke; second, May King, Wornall; third, Whitecock, Harding; fourth, Royal Archer, Tomson; fifth, Roadster, Carpenter & Ross. Aged cow; 4 entries shown—First, Dorothea 2d, Clarke; second, Lottie, Carpenter & Ross; third, Cherry Lass, Tomson; fourth, Marchioness 14th, Harding. Two-year-old heifer; 4 entries shown—First, Alice of Meadowlawn, Clarke; second, Browndale Missle 12th, Harding; third, Ravenswood Countess, Case & Newell; fourth, Browndale, Carpenter & Ross. Senior yearling heifer; 6 entries shown—First, Poplar Clark Queen, Clarke; second, Anoka Gloster 2d, Harding; third, Delightful, Tomson; fourth, Lady Dorothea 3d, Clarke. Junior yearling heifer; 9 entries shown—First, Rose O'Day, Wornall; second, Sweet Duchess of Gloster, Carpenter & Ross; third, Lady Dorothea 4th, Clarke; fourth, Maid Marian, Wornall; fifth, Glad Smile, Wornall. Senior heifer calf; 11 entries shown—First, Harding; second and third, Clarke; fourth, Case & Newell; fifth, Wornall. Junior heifer calf; 10 entries shown—First, Beaufort Princess 3d, Clarke; second, Snowbird, Clarke; third, Rosetta of Grassland, Wornall; fourth, Sweet Afton, Carpenter & Ross; fifth, Bright Eyes, Tomson. Senior champion bull—Master of the Grove, Case & Newell. Junior champion bull—Marshall's Best, Harding. Grand champion bull—Master of the Grove, Case & Newell. Senior champion cow—Alice of Meadowlawn, Clarke. Junior champion cow—Poplar Park Queen, Clarke. Grand champion cow—Alice of Meadowlawn, Clarke. Aged herd—First, Clarke; second, Harding; third, Carpenter & Ross. Young herd—First, Clarke; second, Harding; third, Tomson. Calf herd—First, Clarke; second, Harding; third, Tomson. Get of sire—First, Clarke, on get of March Knight; second, Harding, on get of Whitehall Sultan; third, Tomson, on get of Gallant Knight. Produce of dam—First, Clarke, on produce of Dorothea; second, Carpenter & Ross, on

produce of Imported Avalanche; third, Harding on produce of Lady in Waiting.

HEREFORDS.

Aged bull; 4 entries shown—First, Perfection Fairfax, A. C. Huxley, Bunker Hill, Ind; second, Privateer, Cargill & McMillan, La Crosse, Wis. Two-year-old bull; 6 entries shown—First, Bonnie Brae 3d, Cargill & McMillan; second, Prime Lad 9th, S. Van Natta & Son, Fowler, Ind.; third, Onward 46th, Estate of J. A. Funkhouser, Plattsburg, Mo. Senior yearling bull; 2 entries shown—First, Bonnie Brae 6th; Cargill & McMillan; second, Pathfinder, W. A. Dallmeyer, Jefferson City, Mo. Junior yearling bull; 2 entries shown—First, Onward 54th, Funkhouser; second, Morning Star, Dallmeyer. Senior yearling calf; 7 entries shown—First, Onward 61st, Funkhouser; second, Prime Lad 38th, Van Natta; third, Onward 38th, Funkhouser. Junior bull calf; 3 entries shown—First, Princes 15th, Cargill & McMillan; second, Bonnie Brae 12th, Cargill & McMillan; third, Major General, Dallmeyer. Aged cow; 6 entries shown—First, Phoebe, W. T. McCray, Kentland, Ill.; second, Lady Real 30th, Huxley; third, Dulcinea 12th, Cargill & McMillan. Two-year-old heifer; 6 entries shown—First, Pretty Face, Van Natta; second, Prairie Queen, McCray; third, Ethel 2d, Cargill & McMillan. Senior yearling heifer; 6 entries shown—First, Mill Filler 2d, Cargill & McMillan; second, Diana Fairfax, McCray; third, Margaret, Van Natta. Junior yearling heifer; 8 entries shown—First, Mildred, Funkhouser; second, Miss Filler 5th, Cargill & McMillan; third, Alleen Donald 2d, Huxley. Senior heifer calf; 9 entries shown—First, Princess 2d, Cargill & McMillan; second, Dorothy Tenant, McCray; third, Princess 3d, Cargill & McMillan. Junior heifer calf; 9 entries shown—First, Lady Fairfax, Huxley; second, Princess 7th, Cargill & McMillan; third, Lady Fairfax 6th, Huxley. Senior champion bull—Bonnie Brae 3d, Cargill & McMillan. Junior champion bull—Onward 54th, Funkhouser. Senior champion cow—Pretty Face, Van Natta. Grand champion bull—Bonnie Brae 3d, Cargill & McMillan. Junior champion heifer—Miss Filler 2d, Cargill & McMillan. Grand champion cow—Pretty Face, Van Natta. Aged herd; 5 entries shown—First, Cargill & McMillan; second, McCray; third, Van Natta. Young herd; 4 entries shown—First, Funkhouser Estate; second, McCray; third, Van Natta. Calf herd; 4 entries shown—First, Cargill & McMillan; second, Van Natta. Get of sire; 4 entries shown—First, Funkhouser Estate; second, Van Natta. Produce of cow; 9 entries shown—First, Cargill & McMillan; second, Huxley.

ANGUS.

Aged bull; 2 entries shown—First, Jim Delaney, A. C. Binnie, Alta, Ia.; second, McDonald Lad, W. J. Miller, Metz, Ia. Two-year-old bull; 4 entries shown—First, Glenfold Thickset, O. V. Battles, Kaquoketa, Ia.; second, Royal Hyperion, Geo. Kitchen, Jr., Gower, Mo.; third, Lord Ellsmere, Binnie; fourth, King McDonald, Miller. Senior yearling bull; 2 entries shown—First, Keymura, Kitchen; second, Golden Glean, Battles. Junior yearling bull; 2 entries shown—First, Bonnie Ben Royal, Binnie; second, Leorin, Wheatley & Ward, King City, Mo. Senior bull calf; 3 entries shown—First, Black King of Homedale 2d, Silas Igo, Palmyra, Ia.; second, Lad Ellsmere, Binnie; third, Luke Broadbent, Hugh W. Elliott, Estill, Mo.; fourth, Dutch Proteros, Wheatley & Ward; fifth, Louis of Oakland, Kitchen. Junior bull calf; 6 entries shown—First, Lord Ellsmere, Binnie; second, Prime Lad, McLachlan & Johnson, Estill, Mo.; third, Mayor of Oakland, Kitchen; fourth, Homedale, Purty, Igo. Aged cow; 5 entries shown—First, Eileen Lass, Battles; second, Gussie of Kirkbridge, Miller; third, Snowflake of Kirkbridge, Miller. Two-year-old heifer; 4 entries shown—First, Glenfold Queen 2d, Battles; second, Blackbird Lassie, Binnie. Senior yearling heifer; 3 entries shown—First, Enna Lass, Binnie; second, Gay Lawn Bonnie Lass, Battles; third, Metz Lohelma 4th, Miller. Yearling heifer; 10 entries shown—First, Queen Lass of Alta 3d, Binnie; second, Blackbird Lady, Battles; third, Enna Lass, Binnie; fourth, Blackbird Darling, Battles; fifth, Heather Belle of Alta, Kitchen. Junior yearling heifer; 7 entries shown—First, Queen Lass of Alta 3d, Binnie; second, Blackbird of Lady 4th, Battles; third, Heather Belle of Alta, Kitchen. Senior heifer calf; 10 entries shown—First, Broadside Quality 2d, Battles; second, Varina of Oakland, Kitchen; third, Easa Lass, Binnie. Junior heifer calf; 6 entries shown—First, Esthonia of Alta, Binnie; second, Snowflake; Queen 2d, Miller; third, Rosemond of Thistle-dale, Innes & Son, Fayette, Mo. Senior champion bull—Glenfold Thickset 2d, Battles. Junior champion bull—Keymura, Kitchen. Grand champion bull—Glenfold Thickset 2d, Battles. Aged herd—First, Battles; second, Binnie. Young herd—First, Binnie; second, Miller. Calf herd—First, Binnie; second, Innes & Son; third, Miller. Senior champion cow—Glenfold 2d, Battles. Junior champion cow—Queen Lass of Alta 3d, Binnie. Grand champion cow—Queen Lass of Alta 3d, Binnie. Produce of dam—First, Kitchen; second, Battles. Get of sire—First, Binnie on get of Heather Lad of Emerson 2d; second, Igo on get of King Homedale 3d.

GALLOWAYS.

Aged bull; 2 entries shown—First, Wild's McDougal, Bales & Son, Stockport, Ia.; second, Scottish Standard, Straub Bros., Avoca, Neb. Two-year-old bull; 5 entries shown—First, Standard Favorite, C. S. Hechtner, Princeton, Ill.; second, Tarbreoch Scot, O. H. Swigart, Farmer City, Ill.; third, Mahomet, Straub Bros.; fourth, Choice Norseman, Straub Bros.; fifth, The Triton of Drumlarig, Swigart. Senior yearling bull; 3 entries shown—First, Comfort, Straub; second, Dorothea's Prime, Bales; third, Maple Favorite, Hechtner. Junior yearling bull; 4 entries shown—First, Maple's Favorite, Hechtner; second, Graham's 5th, Hechtner; third, Harden 3d of Otea, Straub Bros. Senior bull calf; 3 entries shown—First, Gentleman Jim, C. E. Clark, St. Cloud, Minn.; second, Loyal Standard, Straub; third, Earl of Maples, Hechtner. Junior bull calf; 3 entries shown—First, Douglass of Meadow Lawn, Clark; second, Camley Lad 3d, Bales; third, Noble Standard, Straub.

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Aged cow; 3 entries shown—First, Myrtle of Avondale, Hechtner; second, Graceful 3d of Girliestown, Bales; third, Miss Evaly, Straub. Two-year-old heifer; 4 entries shown—First, Druid's Lady, Hechtner; second, Saddle of Meadowlawn, Clark; third, Cora of Meadowlawn, Clark. Senior yearling heifer; 4 entries shown—First, Vinola 2d of Maples, Hechtner; second, Anna Davids 6th, Bales; third, Lady Belle 4th, Clark; fourth, Viola 2d of Otea 2d, Straub. Junior yearling heifer; 3 entries shown—First, Lady Douglass 3d, Clark; second, Lady Graceful, Bales, third, Princess Graceful, Bales. Senior champion bull—Standard Favorite, Hechtner. Junior champion bull—Douglass of Meadowlawn, Clark. Senior champion cow—Myrtle of Avondale, Hechtner. Junior champion heifer—Lady Douglas, Clark. Senior heifer calf; 6 entries shown—First, Jean of Meadowlawn, Clark; second, Vada, Bales; third, Vala, Bales. Junior heifer calf; 4 entries shown—First, Jennie Standard, Straub; second, Lady of Maples, Hechtner; third, Floss 3d of Meadowlawn, Clark. Grand champion bull—Douglas of Meadowlawn, Clark. Grand champion cow—Lady Douglas 3d, Clark. Aged herd—First, Hechtner; second, Bales. Young herd—First, Clark; second, Bales. Calf herd—First, Bales; second, Straub Bros. Get of sire—First, Hechtner; second, Clark. Produce of cow—First, Clark; second, Bales.

DUROCS.

Aged boars; 6 entries shown—First, Drexel Pride, W. T. Hutchison, Cleveland, Mo.; second, Red Express, Fagan, Brown & McCabe, Hersman, Ill.; third, second Goldfinch, F. L. Bowman, Kingston, Mo. Senior yearling boar; 3 entries shown—First, Billy Boy, W. W. Wilcox, Nevada, Mo.; second, Illinois Chief, Manlove Bros., Bowen, Ill.; third, Topnotcher Lad, W. J. Ferguson, Sedalia, Mo. Junior yearling boar; 8 entries shown—First, Lucy's Proud Advance, M. W. Greer & Sons, Rushville, Ill.; second, Silkworker 2d, M. W. Walker & Son, Malta Bend, Mo.; third, Corn Belt Chief, Walker & Son. Senior boar pig; 11 entries shown—First, Greer's Climax, Greer & Sons; second, My Topnotcher, Bowman; third, Gen. Kuroki, Ferguson. Junior boar pig; 9 entries shown—First, Bowman's Goldfinch, Bowman; second, Wilcox; third, Bowman's Choice Goods, Bowman. Aged sows; 4 entries shown—First, America Duchess, B. W. Harned, Beaman, Mo.; second, Nokomis, University of Missouri, Columbia, Mo.; third, Lottie L. Greer. Senior yearling sows; 5 entries shown—First, Lady Kruger, Greer; second, Lucy Lee, University of Missouri; Fagan, Browning & McCabe. Junior yearling sow; 7 entries shown—First, Queen Doty, Bowman; second, Miss Henderson 2d, Cheatham & Smith, Warrensburg, Mo.; third, Verna B. 2d, Greer. Senior sow pig; 22 entries shown—First, Fagan, Brown & McCabe; second, Miss Minna, Cheatham & Smith; third, Lass Missie, Fagan, Browning & McCabe. Junior sow pig; 16 entries shown—First, Model, Wilcox; second, Woodford Nerissa, W. S. Cotton, Smithton, Mo.; third, Powell & Ruddy, Smithton, Mo. Aged herd—First, Greer & Sons; second, Fagan, Brown & McCabe. Young herd—First, Greer & Son; second, Bowman. Breeders' young herd—First, Greer & Son; second, Bowman. Get of sire—First, Bowman on get of Goldie's Top Notcher; second, Ferguson on get of Gen. Cronje. Produce of sow—First, Ferguson on produce of Witch Hazel 2d; second, Harned on produce of Mattie H. Junior champion boar—Greer's Climax, Greer. Grand champion boar—Lucy's Proud Advance, Greer. Senior champion sow—Queen Doty, Fagan, Browning & McCabe. Junior champion sow—Orion's Variety, Fagan, Browning & McCabe. Grand champion sow—Queen Doty, Fagan, Browning & McCabe.

POLAND.

Aged boar; 8 entries shown—First, Illinois, Belshaw Bros., Colchester, Ill.; second, Porter's Perfection, C. S. Utterback, Gazette, Mo.; third, Missouri's Meddler, Maupin & Porter, Pattonsburg & Vandalia, Mo. Junior yearling boar; 9 entries shown—First, Impudence Ino, F. A. Dawley, Waldo, Kansas; second, Flying Fox, C. E. Tennant, New Hampton, Mo.; third, Decatur, Goodrich Stock Farms, Eldon, Mo., and J. Walter Garvey, Thayer, Ill. Senior boar pig; 11 entries shown—First, Bender, B. H. Colbert, Tishomingo, I. T.; second, Byrne's Corrector, U. S. Byrne, Agency, Mo.; third, Broadguage Chief, A. L. Ferrin, Buckner, Mo. Junior boar pig; 13 entries shown—First, High Life, Goodrich Stock Farms; second, Nonesuch, Clark, Viles, Bolivar, Mo.; third, Corkey, Tennant. Aged sow; 3 entries shown—First, Lewis' Best, Goodrich; second, Fatty, Clark; third, Golden Keep On, Porter. Senior yearling sow; 5 entries shown—First, Lady Keep On's Daughter, G. E. Leslie, Memphis, Mo.; second, April Shower, F. D. Winn, Randolph, Mo.; third, Porter. Junior yearling sow; 9 entries shown—First, Cherry's Favorite, Goodrich; second, Mary's Perfection, G. M. Hoadley, Sedalia, Mo.; third, Lady Corrector 1st, W. A. Hill, Belton, Mo. Senior sow pig; 16 entries shown—First, Water Lily, Dr. H. A. Grier, Mexico, Mo.; second, Nature, F. F. Oerli, Oregon, Mo.; third, Hazy, Colbert. Junior sow pig; 14 entries shown—First, Clark, second, Wm. Wingate, Trenton, Mo.; third, Goodrich. Senior champion boar—Illinois, Belshaw Bros. Junior champion sow—Lady Keep On's Daughter, Leslie. Junior champion sow—Water Lily, Grier. Grand champion boar—Illinois, Belshaw Bros. Grand champion sow—Lady Keep On's Daughter, Leslie. Aged herd—First, Goodrich, second, Porter. Breeder's aged herd—First, Porter; second, Hill. Young herd—First, Colbert, second, Grier.

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Breeder's young herd—First, Colbert; second, Grier.
Product of sow—First, Grier; second, Clark.
Get of boar—First, Porter, on get of Missouri's Meddler; second, Grier, on get of Meddler 2d, 36902.

BERKSHIRE.

Aged boar—First, Lord Robin, Harris & McMahan, Lamine, Mo.; second, Berry's Choice, Ralph Creighton, Creighton, Mo.
Senior yearling boar: 3 entries shown—First, Handsome Duke 3d, Harris & McMahan; second, Handsome Duke 4th, Harris & McMahan; third, Baron Premier 11th, J. T. Pollard, Fulton, Mo.

Junior yearling boar: 3 entries shown—First, Field Marshall, Harris & McMahan; second, Moreau Duke 2d, Jones & McGinnis, Enon, Mo.; third, Missouri's Masterpiece, Missouri State College, Columbia, Mo.

Senior sow pig: 3 entries shown—First, Moreau Duke 3d, Jones & McGinnis; second, Sunnyside King, 20th, Harris & McMahan; third, Baron Premier B. 20th, J. Pollard.

Junior sow pig: 3 entries shown—First, Handsome Duke, Harris & McMahan; second, W. E. Bradford, Columbia, Mo.; third, Humbert & White, Nashua, Ia.

Senior yearling sow—First, Harris & McMahan; second, Harris & McMahan.
Junior yearling sow—First, Harris & McMahan; second, Harris & McMahan; third, Harris & McMahan.

Senior sow pig—First, Stumpy Girl 94th, Harris & McMahan; second, Black Girl 10th, Jones & McGinnis; third, Sunnyside Queen 21st, Harris & McMahan.

Junior sow pig—First, Bradford; second, Handsome Duches, Harris & McMahan; third, Harris & McMahan.
Aged herd—First, Harris & McMahan; second, Harris & McMahan.

Breeder's aged herd—First, Harris & McMahan; second, Harris & McMahan.
Young herd—First, Jones & McGinnis; second, Harris & McMahan.

Breeder's young herd—First, Jones & McGinnis; second, Harris & McMahan.
Product of sow—First, Harris & McMahan; second, Jones & McGinnis.

Get of boar—First, Harris & McMahan; second, Jones & McGinnis.
Senior champion boar—Lord Robin, Harris & McMahan.

Junior champion boar—Moreau Duke 3d, Jones & McGinnis.
Senior champion sow—Handsome Duches 15th, Harris & McMahan.

Junior champion sow—Harris & McMahan.
Grand champion boar—Lord Robin, Harris & McMahan.
Grand champion sow—Handsome Duches 10th, Harris & McMahan.

CHESTER WHITES.

Aged boar: 2 entries shown—First, Nashua Lad, F. D. Humbert, Nashua, Ia.; second, Plato, R. F. Fantz, Pleasant Hill, Mo.

Senior yearling boar: 3 entries shown—First, Neponset Henry, Humbert; second, Pride, W. W. Waltmire, Raymore, Mo.; third, Corrector, Humbert.

Junior yearling boar: 5 entries shown—First, Humbert; second, Kahoka Chief, R. Rauscher & Son, Kahoka, Mo.; third, Humbert.

Senior boar pig: 4 entries shown—First, Humbert; second, Humbert; third, Frantz.
Junior boar pig: 8 entries shown—First, J. T. Nunnally, Readsville, Mo.; second, Nunnelly Bros., Readsville, Mo.; third, Rauscher & Son.

Aged sow: 5 entries shown—First, Humbert & White; second, Lady White 2d, Rauscher; third, Duches, Waltmire.

Senior yearling sow: 4 entries shown—First, O. K. Amy, Waltmire; second, Mary, Fantz; third, Humbert & White.

Junior yearling sow: 4 entries shown—First, Humbert & White; second, Pride 3d, Waltmire; third, Success, Waltmire.

Senior sow pig—First, Waltmire, second, Humbert & White; third, Lady Caroline, Fantz.

Junior sow pig: 7 entries—First, Nunnelly Bros.; second, Nunnelly Bros.; third, Rauscher & Son.

Aged herd—First, Humbert; second, Humbert.
Breeder's aged herd—First, Humbert; second, Waltmire.

Young herd—First, Nunnelly Bros.; second, Humbert.
Breeder's young herd—First, Nunnelly Bros.; second, Humbert.

Product of sow—First, Nunnelly Bros.; second, Humbert.
Get of boar—First, Humbert; second, Nunnelly Bros.

Senior champion boar—Chickasaw Chief, Humbert.
Junior champion boar—Humbert.

Grand champion boar—Chickasaw Chief, Humbert.
Senior champion sow—Cora No. 3, Humbert & White.

Junior champion sow—Waltmire.
Grand champion sow—Cora No. 3, Humbert & White.

STATE FAIR HORSES.

In the German Coach classes, J. Crouch & Son, of Sedalia, Mo., won all of the prizes in the stallion classes. The mare classes were not filled except in the three-year-old, in which were five entries. Powell winning and Crouch second. In the Percheron classes the principal exhibitors were J. W. and J. C. Robison, of Towanda, Kans., and J. Crouch & Son, of Sedalia, Mo. Robison won nearly all of the mare prizes. Thirty-five were shown.

Fifty-three head of jacks, Jennets and mules were shown and Brock, of Centralia, Mo., won the championship on his three-year-old Sappington jack; got first on his four-year-old jack, and L. A. Scott, of Dresden took first on yearling jack.

Hunter & Smith, of Beatrice, Neb., won first in all classes shown except one in the Jersey cattle class.

Weaver & Son's Poland Sale.

An event that should be of particular interest to the farmers and breeders of this part of Kansas is the big Poland-China sale to be made by C. B. Weaver & Sons, of Wakefield, Kan., on Thursday, October 31. The sale will be held at the farm two miles south of town and will contain a nice lot of carefully selected stuff.

The Weavers are among the largest swine-breeders in their county, but keep only the best for breeding purposes. They are going to sell 35 head in all, 25 of which will be good, growthy spring boars and the rest spring gilts. Included in the sale will be litters by the big, smooth boar Philanthropist; C. W. Dingman's great young boar Courtier by Corrector 2d, Advance, the splendid breeding boar that formerly headed C. M. Garver's great herd; Jewell Perfection, Geo. Crooks' great young son of Chief Perfection 2d; Compromise, a near relative of the noted Ideal Sunshine, and others by L's Perfection. So you can see that this sale will afford an opportunity to secure almost any of the popular breeding of today and perhaps buy at a much lower figure than the same breeding could be bought at from older and better known breeders. Among the especially good things in the sale are pigs out of Keep On Perfection sow and sows by Kansas Chief. A couple of the really good litters are by Com-

promise 2d; one of them is out of the fine breeding sow Dina. The other is from the sow Sweetheart, a sow that always raises good ones. This will be a good sale to attend. The stock will be of the kind that does good for the buyer and the Weavers are the kind of men who elevate the breeding business. Bids can be sent to auctioneers in care of C. B. Weaver & Son, Wakefield, Kan.

H. B. Walter's Fall Sale of Polands.

In this issue of The Kansas Farmer, H. B. Walters, of Wayne, Kans., is advertising his fall sale which will be held on Friday, October 25, at his farm near Wayne. Mr. Walters is well known as a breeder of the strong, medium type of Poland-Chinas, with plenty of bone, good size, and lots of finish. His herd is headed by Stylish Perfection 40313, whose cut appeared on the front page of last week's issue of The Kansas Farmer, and who won first in class and sweepstakes at the Nebraska State Fair 1906. Stylish Perfection was got by Sunflower Perfection, dam Lady Wilkes by Guy Price, first in class at Nebraska and Kansas State fairs 1903. He is an outstanding individual and a prepotent sire. At the Republic County Fair this fall, Stylish Chief, one of his get, won first in the junior pig class, and the junior championship, and at the Kansas State Fair he won third under six months in a class of 18.

Another one of his herd boars is Billy K. (a grandson of Expansion) who won first in class at the Republic County Fair 1907. Billy K is sire of part of the stuff in this sale. The herd sows are of the best breeding with plenty of size, finish, and good breeding qualities. Mr. Walters' offering will consist of 35 head of his best, as follows: 14 heavy-boned, stretchy boars; 1 fall boar by Choice Perfection (and he is a good one); 10 very fancy gilts by Stylish Perfection; 6 gilts by Bill K, and 3 good sows bred to Stylish Perfection.

The spring stuff is of early farrow and well developed. The boars are large enough for service, and there are some mighty good prospects among them. Everything will be properly fitted and in the best possible condition for service. For variety and quality this will be one of the best offerings of the season. Mr. Walters has a reputation for breeding the easy-feeding, quick-maturing kind, with plenty of size and finish. Look up his advertisement in this issue of The Kansas Farmer, and write him for a catalogue, and come to this sale.

The Big Hutchinson Shorthorn Sale.

On October 24, at Hutchinson, Kans., on the State fair grounds, Mr. J. F. True, Jr., of Perry, Kans., and H. E. Huber of Meriden, Kans., will sell a large and choice offering of Shorthorn cattle. The herd belonging to Mr. True is one of the oldest in the State. In all the years that he has been breeding Shorthorn cattle he has made a special effort to produce the useful kind. He has been remarkably successful in this and his cattle are to be found scattered broad-cast over the West where they have made money for their present owners.

Mr. Huber is a young breeder but one who started right. His cattle are rightly bred and rightly fed and have made good wherever they have been sold. We have asked each of these gentlemen to make a brief statement about these consignments. Mr. True writes as follows:

"The offspring consists of 30 head, 11 females and 9 bulls. 14 of 20 are by the Sultan 22727 and the other 6 are cows by Lord Mayor 12727, Mayor and Duke of Scot. All of these 6 are safe in calf to the Sultan. No. 1 in the catalogue is one of T. P. Babst's choice Crimsons sired by Lord Mayor and considered by Mr. Babst to be one of his best heifers. She will have two bulls in the sale, Nos. 12 and 13, and will soon drop another calf by the service of the Sultan. She is a very beefy, blocky cow, all red and a yard wide. No. 4 is Pride's 1st Maid, another blocky, wide out cow with a very large body. She is also an excellent milker having suckled to calves all summer. She will go into the sale still milking. The bulls in the sale have from 2 to 4 Scotch tops and one pure Scotch, a March calf by The Sultan out of Rocky Hill Butterfly, by Golden Lad, 2d dam 8th Butterfly of Valley Grove by Lord Mayor. Butterfly of Valley Grove by The Earl of Gloster tracing Imp. Butterfly 14th by Baronet. The other bulls are two years old, good, big, beefy red fellows.

Five yearlings and two calves all by The Sultan, they inherit his good qualities and are a very uniform lot of good ones. Several in the offering are from daughters of Sempstress Valentine.

Mr. Huber writes as follows: "My cattle consist of 30 head, all cows and heifers except young bulls which are still suckling. The females range from suckling calves to 8 years of age, all carry a number of Scotch crosses and are from the following well known families. Violet's Buds, Young Marys, Miss Hudsons, Lady Caroline, Pomona, and Donna Maria and are sired by such sires as Duke of Scotch 15979, Mayor 129229.

Advertisement for Aermotor Co. featuring a windmill and text: 'THE AER MOTOR CO. CHICAGO', 'HEAD ROOM PUMP ROOM STOCK ROOM TANK ROOM', 'AERMOTOR CO. CHICAGO'.

Golden Crown 149188, Gold Belt 81045; Orange Viscount 157352. Lot 2 in catalogue, Scottish Violet 4th, traces to Imp. Violet Bud by the great Barmpton 45246, the sire of Col. Harris' noted bull Baron Victor. The Caroline's listed are descendants of Lady Christine, bred by C. C. Norton sired by the Cruickshank bull, Imp. Vicar General and out of a pure Bates cow. The representatives of this family in the sale carry 3 Cruickshank crosses on a pure Bates foundation. The Miss Hudsons listed belong to the noted Miss Wiley Family. From Mill Wiley 3d, a daughter of Miss Hudson, descended the noted London Duches family and I am keeping a number of them price of \$5,000, \$4,400, etc., for single cows. My herd is largely made up of this family and I am keeping a number of them on the place. The Pomona family is probably as good a family as I own, they are good milkers, breed, large, growthy calves and are great feeders. My father, J. M. Huber, brought representatives of this family with him to Kansas in 1860 and I think to him belongs the honor of owning the first registered Shorthorns in the State."

Grant Chapin's Sale at Manhattan.

Wednesday, October 30, is the date of Grant Chapin's big sale of Durocs at the Agricultural College at Manhattan, Kans. The sale will be held in the live-stock judging pavilion at the college which can be heated by steam if the day is cold and which is one of the most comfortable buildings for this purpose in the State.

The college authorities are requesting some of the best breeders of pure-bred swine in the State to sell at the college because of the advantage to the students interested and Mr. Chapin was fortunate in being one of the first to be asked to sell there.

Mr. Chapin would like for all of his breeder friends who can possibly do so to arrange to get in on early morning trains or the night before so that they can have the forenoon to be shown through the different departments of the college where almost 2,000 students are

enrolled. Those attending the sale will be taken good care at the Baltimore Hotel, and hacks will take those attending the sale to the college and all at Mr. Chapin's expense.

Those who know Mr. Chapin and his herd of Durocs will readily see the importance of attending this sale especially if in need of a herd boar of a few gilts. The offering numbers 50 head and consists of 30 boars and 20 gilts. The writer, representing The Kansas Farmer, visited this herd Friday of last week and was much impressed with the quality of the offering. The fifty head, 30 boars and 20 gilts, are the actual pick without a single exception of this season's crop of 170 head.

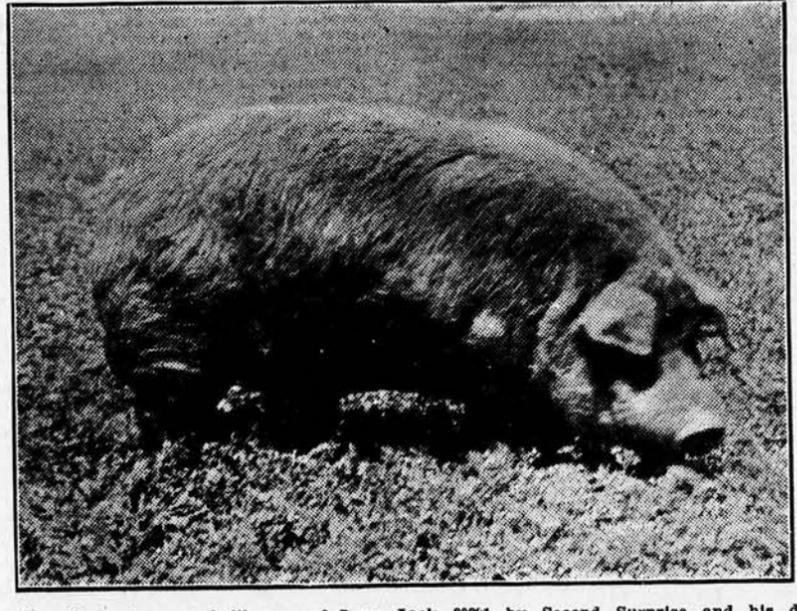
In his bred sow sale of January 23 the offering will be made up from the pick of 90 fall yearlings and tried sows, so you see it will not be necessary to reserve any of the good things of this season's raising for his bred sow sale and they all go in this sale the 30th of this month. Almost the entire offering was sired by Model Chief Again 42943 by Model Chief he by Ohio Chief and whose dam was the great Dew Drop Maid 23770 and Red Raven 47697, and also a few by Orion Top Notcher and Colossal, two other boars with real merit. The dams represent leading Duroc families, both of the East and the West.

Mr. Chapin has been a heavy buyer from the leading herds of Ohio, Illinois, Nebraska, and a liberal buyer of tops from the good herds of his own State. The breeding of individual merit of this offering on the 30th will hardly be duplicated in the West this season. Remember that the 30 boars, all of this season's crop, and that the 20 gilts are the best of the crop and that there are no reserves for a winter sale as the winter sale will be made up of fall yearlings and tried sows. J. W. Johnson, representing The Kansas Farmer, will be in attendance and bids may be sent to him in care of Prof. Kinzer, Manhattan, Kansas. We will have more to say of the breeding in this offering in next week's issue.

An O. I. C. Event at Independence, Mo.

On November 2, at Independence, Mo., Alvey Bros., of Argentine, Kans., and J. H. Adams of Grainvalley, Mo., will sell about 50 head of choicely-bred O. I. C.'s. Alvey Bros have been breeding the O. I. C.'s for several years and have made for themselves a reputation for breeding the kind that wins. They have entered the produce of their herd in some of the hottest rings of the country and have never failed to come out with their share of the ribbons and at this juncture a brief history is submitted by the owners of this herd is in place.

"At the American Royal in 1903, we first placed stock of our breeding in competition with the representative herds of the central States and won as follows: Aged boar, second and third; senior boar, first; aged sow, first and third; yearling sow, second; aged herd, first. We also bred the following winners exhibited by other breeders, yearling boar, first; yearling sow, first; champion boar any age. Kerr Dick 9028 a standard of excellence and recognized as a model type of the breed. Our success as breeders and the makeup of our herd are very closely associated with the reputation of the late Dr. O. L. Kerr of Independence, Mo. Out of 31 head exhibited by Dr. Kerr at St. Louis, 1904 World's Fair, we bred 7 head, bred the sires of eleven head, and the dams of ten head. It is remembered that these two herd won nearly \$2,000.00 at the World's Fair and this success was the incentive for Dr. Kerr's first annual sale December 28, 1905. We bred Big Mary 7080, grand champion I. O. C. sow at World's Fair, we bred seven head, bred the sires Topeka, Kansas, 1905 by Bridget, a sow of our breeding, half sister to Kerr Dick. At our State fair, 1905 at Topeka, we won 6 firsts and three seconds on 10 head. Our aged sow won first over a Chester sow that was placed first at the St. Louis Fair, 1904, and also given rank over the grand champion I. O. C. sow at St. Louis, 1904. Bumper 11746, a first prize winner in several Kansas fairs and the sire of winners at the head of A. T. Grath's herd at Larned, Kans., is a boar of our breeding. "Mr. Grath, having great faith in the blood



The above is a good likeness of Lone Jack 30291 by Second Surprise and his dam was by Wonder Lad, a full brother to Missouri Wonder. Mr. W. C. Whitney of Agra, Kans., who owns him is offering 20 top-spring boars sired by him and out of his choice sows at prices that will suit. He is related to a long list of prize-winners and had been fitted and shown would undoubtedly have made a show record as he has a reputation as a breeder. Many of the best sows being reserved for W. C. Whitney's bred sow sale February 20th were sired by this great breeding boar. Mr. Whitney sells in the circuit with Mr. Williams of Bellaire, Mr. Dodd of Babon and Mr. Myers of Burr Oak and his sale is the first of the series. Write Mr. Whitney about a Lone Jack boar.



Only the Rich Can Afford Poor Paint

If one is rich enough to repaint his buildings every year for the pleasure of having a change of color scheme, the quality of the paint used may cut little figure. But if it is desirable to cut the painting bills down to the least amount possible per year, it is of the utmost importance that the paint be made of the purest of White Lead and the best of Linseed Oil.

We guarantee our White Lead to be absolutely pure, and the Dutch Boy on the side of every keg is your safeguard. Look for him.

SEND FOR BOOK

"A Talk on Paint," gives valuable information on the paint subject. Sent free upon request. NATIONAL LEAD COMPANY



the breed and in every respect was a credit to Mr. Edgerton as a breeder. The sale of Poland-Chinas aggregated \$1,251.00. The boars average \$22.60 and the females, excluding a few small spring gilts, averaged \$50.00.

- List of sales including: 1.-Boar, Grand Perfection 2d, B. Baird, Edgerton, Kans., \$35.00; 2.-Boar, Tom Harrington, Gardner, 24.00; 3.-Boar, A. Jacobs, Geneva, 25.00; 4.-Boar, G. A. Sawhill, Edgerton, 20.00; 5.-Sow, Gem of Sallie, George Lorraine, Elk Falls, 76.00; 6.-Sow, Miss U. S. Wilks Wilks Perfection 2d, J. B. Adams, Moline, 53.00; 7.-Sow, Janet L., George Lorraine, Elk Falls, 65.00; 8.-Sow, Miss Mischief, H. Gruver, Springfield, Kans., 32.50; 9.-Gilt, Goodrich Stock Farm, Eldon, Mo., 150.00; 10.-Sow, Big Beauty, W. W. Douglas, Edgerton, 32.00; 11.-Sow, Corrector's Model, C. M. Chambers, Oswego, 67.50; 12.-Gilt, Lady On, C. M. Chambers, Oswego, 70.00; 13.-Gilt, Flashlight, C. M. Chambers, Oswego, 50.00; 14.-Gilt, Lady Warning, Dietrich & Spaulding, Ottawa, 85.00; 15.-Gilt, C. W. Kolterman, Onaga, 35.00; 16.-Gilt, D's Coming, A. Jacobs, Geneva, 25.00; 17.-Another gilt by Take Warning, Dietrich & Spaulding, 50.00; 18.-Sow, Daisy Go On, G. W. Lorraine, Elk Falls, 70.00; 19.-Gilt, Perfect Fashion, Dietrich & Spaulding, 57.00; 20.-Gilt, H. Gruver, Springfield, 27.00; 21.-Gilt, Gem Second, A. Jacobs, 22.00; 22.-Sow, T. W. Morrison, Gardner, 31.00; 23.-Gilt, A. Kelly & Son, Olathe, 21.00; 24.-Gilt, John Black, 20.00.

Axline's Great Poland-China Sale.

Monday, October 14, was truly Poland-China day at Oak Grove, Mo., it being the occasion of E. E. Axline's thirty-third Poland-China sale. The offering was a prime condition, and every arrangement had been made for a great sale. Mr. Axline never sold quite so good a lot take it all the way through, in the history of his experience, and everybody knows the kind he breeds and sells.

- List of sales including: 1 Mitchell & Williamson, Kearney Mo., \$75.00; 2 Wilson & Bonner, Panora, Iowa, 150.00; 3 J. F. Price, Muscatine, Iowa, 145.00; 4 G. W. McKay, Laredo, Mo., 110.00; 5 Harry E. Lunt, Burden, Kans., 100.00; 6 B. F. Ishmael, Laredo, Mo., 100.00; 7 M. L. Lentz & Bros., Atherton, Mo., 292.50; 8 B. H. Colbert, Tishomingo, I. T., 175.00; 9 B. H. Colbert, 312.50; 10 B. H. Colbert, 200.00; 11 Goodrich Stock Farm, Eldon, Mo., 50.00; 12 B. F. Ishmael, 41.00; 13 Harry E. Lunt, 51.00; 14 G. W. McKay, 50.00; 15 F. A. Dawley, Waldo, 65.00; 16 F. D. Fulkerson, Brimson, Mo., 52.50; 17 Wilson & Bonner, 145.00; 18 J. S. Price, 135.00; 19 L. C. Purdy, Harris, Mo., 52.50; 20 A. P. Smith, Alma, Kans., 52.50; 21 Wilson & Bonner, 85.00; 22 J. S. Price, 75.00; 23 Knorpp Bros., Pleasant Hill, Mo., 70.00; 24 Wilson & Bonner, 80.00; 25 T. S. Wilson, Hume, Mo., 77.50; 26 Goodrich Stock Farm, 67.50; 27 Wilson & Bonner, 67.50; 28 A. P. Smith, 50.00; 29 Ed. McDaniel, Parsons, Kans., 46.00; 30 T. M. Chambers, Oswego, Kans., 50.00; 31 Dr. H. A. Grier, Mexico, Mo., 45.00; 32 J. C. Weaver, Wakefield, Kans., 50.00; 33 Homer Gruver, Spring Hill, Kans., 47.50; 34 J. C. Larimer, Derby, Kans., 60.00; 35 Belshaw Bros., Colchester, Ill., 43.00; 36 G. E. Leslie, Memphis, 68.00; 37 A. B. Hale, Cameron, Mo., 63.00. The entire sale averaged \$63.54.

Stayton's Poland-China Sale.

D. C. Stayton of Blue Springs, Mo., held his first annual Poland-China sale at Independence, Mo., Saturday, October 12. The offering was a well-bred lot but just lacked a little size being handicapped in age. There was a goodly number of breeders and farmers present and the sale was a good snappy auction. One of the attractions of the sale was Proud Beauty by Proud Perfection and out of Perfect River Maid and went to the herd of T. F. Sheehy, of Hume, Mo., at \$50. Another a sow by rand perfection of Salome 4th, bred by T. P. Sheehy was purchased by D. E. Crutcher of Drexel Mo., for \$42.50. Cols. Sparks and Zaun officiated. A list of the sales is as follows:

- List of sales including: 1. T. P. Sheehy, \$50.00; 2. T. P. Sheehy, 25.00; 3. D. E. Crutcher, 42.50; 4. Willie Crummel, Independence, Mo., 25.00; 5. Geo. Henry, Independence, Mo., 25.00; 6. Frank Melton, Independence, Mo., 25.00; 7. Geo. Henry, 23.00; 8. E. E. Axline, Oak Grove, Mo., 31.00; 9. Frank Melton, 25.00; 10. Homer Gruver, Spring Hill, Kans., 35.00. Average on sows, \$23.60.

D. O. Bancroft Sells Richly Bred Durocs.

D. O. Bancroft, of Downs, Kans., will hold his first annual sale at his farm, six miles south of Downs, Thursday, October 31. At this time and place he will sell to the highest bidders a select draft from his good herd of Durocs of the richest breeding, as follows: 4 yearling and 18 spring boars, 4 extra fine fall gilts and 18 spring gilts, a total of 44 head, representing a variety of breeding seldom found in any offering. Mr. Bancroft is an expert breeder and handler, and his offering is an extremely well developed and growthy lot. In the boar division are pigs that are good enough both in individuality and breeding, to head any herd. Among the real attraction are 3 extra good boars and one gilt by the great boar, Missouri Gold Finch 49499, and out of Nellie Climax by 2d Climax; 2 boars by the noted sire Sen of Champion by Tip Top Notcher, and out of the World's Fair Champion sow, Dotie. The dam of these two is Pet's Climax, by 2d Climax;

1 boar and 1 gilt by O. K. 43283, by Buddy K 4th, their dam is Mc's Jewell by the great prize-winner Joe, the boar that won first in class at the St. Louis World's Fair in the strongest competition. The herd sows are strong in individuality and breeding and have been purchased by Mr. Bancroft during the past few years from some of the best bred herds. They are a good lot of producers and carry the blood of such sires at the Great Orion, Old Orion, Auction Boy 3d, Athol Improver, and other good ones. Mr. Bancroft's Durocs not only represent the best blood lines of the breed but he has used such skill and judgment in mating that he is producing a type of Durocs noted for their easy feeding and early maturity qualities. Here is an opportunity to secure foundation stock, or to obtain new blood for herds already established. Catalogues are now ready. Send for one and arrange to attend this sale.

To Sell Stylish Perfection and Billy K Stuff.

On October 25, H. B. Walter, of Wayne, Kans., will sell a draft of spring boars and gilts and tried sows. Nearly the entire offering is sired by Stylish Perfection or Billy K. Stylish Perfection was first in aged class and sweepstakes boar at Nebraska State Fair, '06. There will be 2 boars and 11 gilts of spring farrow by him in this sale. His get won at Republic County Fair '07 as follows: First on boar under six months, first on herd under one year, first on get of boar, one of the most coveted prizes in any show, and also sweepstakes on boar went to the boar that had won in six months class. This boar pig also went to the Kansas State Fair at Hutchinson and in a class of 30 entries won third place while the pig afterwards won first at St. Joe was not even placed. This is a pretty fair showing when you remember that Mr. Walter had nothing older than spring pigs to show. The get of Stylish Perfection are characterized by plenty of size and bone and yet with that degree of quality so much desired by all. His get are so uniform in type that when you see one of them you can go through the entire herd and pick out big pigs with ease. The other sire, Billy K, was bred by W. M. McKeever, of Hubbell, Neb., and is of the big type. He was sired by Exwausee dam Queen Profit. As you all know Exwausee is considered one of the best breeding sons of Old Expansion. Billy K won first at the Republic County Fair in junior yearling class and was characterized by leading breeders as one of the strongest boars ever shown in this class. If you are looking for more size, stretch, and bone you can not do better than to get a gilt or boar sired by this fellow. They are of the big, smooth type and have bone enough to suit any one where quality is a factor at all. You will not have to sell one-half your farm to buy a pig in this sale as Mr. Walter is not in the habit of selling pigs up into the thousands, but is contented with a good average price and get the money. Everything sold is strictly guaranteed a breeder. Prepare to attend this sale in person if possible and if not send a bid to auctioneers of field men and buy a good pig. You are perfectly safe in doing this as Mr. Walter guarantees satisfaction on everything bought on mail bids. Send at once for a catalogue.

Newton's Durocs.

G. E. Newton, of Whiting, Kans., writes about his Duroc-Jersey swine as follows: "I am now ready to fill orders for Duroc-Jersey spring pigs, either sex. For the next 20 days I will sell at \$15 and \$20 per head. I have reserved 25 our of over 60 male pigs and 35 gilts out of 52 gilts. "The 60 head are all No. 1, good ones in quality as well as blood. They are sired by Chief Model 47935, a 600-pound 2-year-old son of Hunt's Model 20177. Prover 63589 one of Improver 21 13365, best sons he is as near like his sire as two peas. He is 18 months and will weigh 400 pounds. "Sam Advance 63587, a fine grandson of Proud Advance 23549. The dams of my spring pigs are daughters of Sir Thomas 223995, a 4-year-old 1,000-pound son of Kansas Wonder, 18973. Admiral Dewey 3847, S R's advance 49975, Kid Walford 8299, the best humped and footed Duroc I ever saw. Improver 3d 28391, Fleet R 8225, a 900-pound 3-year-old, son of Shakespeare 2d 4513. Carrol Boy 80764 by Auction Boy 3d 17549. The grand sire on dam side of this sow sired by Carrol Boy is Old Orion 5293. Walkaway 38465, Nest's Compromise 4423. Oom 44247 tracing to Oom's Wonder. Chief Model's dam was Missouri Girl 4th 15066. Power dam was Mary's Best Jr. 114393 by Prots 34592, Duroc and Mary's Best 99832. Sam Advance dam is Savannah Maid 114400 by Walkaway and Floradora. If I haven't good old reliable blood as well as popular blood in this bunch of pigs then some one tell me why. These pigs have been grown on grass and bone-producing feed and are not as big and fat as most breeders keep them, but they have the frame and are in condition to be useful as long as they live. Come or write me for description and see if I don't use you square."

Last Call for Ishmael & McKay's Sale.

Don't forget that B. F. Ishmael & G. W. McKay sell Poland-Chinas at Laredo, Mo., October 26. In this sale as has been stated heretofore, the offering is made up of the very best blood of the Poland-China breed. If you want some of the real "hot" ones, don't fail to attend this sale. These gentlemen have left nothing undone to make your visit on that day a pleasant and profitable one. Sale will be held in comfortable quarters. If you have not done so, send today for a catalogue.

The O. P. Hendershot Sales.

O. P. Hendershot, of Hebron, Neb., will hold a two day's sale of Shorthorns and Percheron mares and fillies, Thursday, November 7, will be devoted to Shorthorns, and Friday, November 8, to the Percherons. He says: "This is a dispersion sale of Shorthorns, and includes many good things. Among them the great Scotch bull Viceroy 233084 by Barmpton Admiral 157704 and out of Golden Victory by Golden Lord, only four crosses from imported Victoria 51st. "I consider this bull one of the best breeders I ever knew, as all the calves in this sale are from him, they will bear testimony of this fact. Individually this bull would make a grand show bull in show condition. If you are looking for something really good it will certainly pay you to see this grand Scotch sire. "In the cow offering you will find them uniformly good. They combined the two potent factors in Shorthorn cattle, good milkers and good beef kind. I think every cow of breeding age will have a calf at foot, or be right close to calving by sale day. All cows broken to milk. "In Percheron mares and fillies you will find just about as good as grow and if you want some really first-class you will certainly find it at my sale. They are the heavy draft type, with the very best feet and heavy-

of the Wyandotte County O. I. C. herd bought the high priced ones, mostly of our breeding at Dr. Kerr's dispersion sale, Feb. 6-7, 1906. We also bred the dam of Kerr Garnet, the highest priced O. I. C. boar yet sold."

L. W. Timberlake's Good Sale.

L. W. Timberlake, Centralia, Kans., held his first annual sale at his farm, one mile north of town, Thursday, October 10. The offering consisted of 45 head which were presented in thrifty, well-kept condition, and was a credit to Mr. Timberlake as a breeder. Prices did not rule high. There were few breeders present and the greater part of the offering went to farmers, who bid conservatively. The sale on the whole was a success. There was a good crowd present and interest in the sale did not lag until the last animal was sold. The top of the sale was \$40.00 for a spring boar by Peter Pan 116639. Mr. Timberlake had every arrangement made for the convenience of the buyers and the success of the sale which was appreciated by all present. Cols. Brennan and Trospier did the selling in a manner that was very satisfactory to the seller and the buyers. Following is a list of the sales, \$20.00 and over:

J. F. Hastings Sells Shorthorns and Polands.

Thursday, October 10, J. F. Hastings, of Edgerton, Kans., dispersed his herd of Shorthorns. These were sold in plain farm condition and did not bring high prices. On Friday, the 11th, he sold a select draft of 33 head of Poland-Chinas. These were presented in thrifty breeding condition and brought good prices: The top of the sale was, Edgerton Beauty (No. 7 in catalogue), a remarkably fine yearling gilt by Chief Perfection 2d. She sold to the Goodrich Stock Farm of Eldon, Mo., for \$150.00. There was a fair crowd of appreciative buyers present and all the best things were quickly snapped up at a good figure. The offering presented a variety of the best blood lines of

HORSE OWNERS! USE GOMBAULT'S CAUSTIC BALSAM. A safe, speedy and positive cure for the most obstinate cases of ringbone, splints, etc. THE LAWRENCE-WILLIAMS CO., Cleveland, O.

Save Sick Hogs!

If your hogs are stricken with Cholera, it's "Good-bye"—there's no known cure, despite the extravagant claims of certain Dip Manufacturers. But sick hogs may only be suffering from Lice or Mange or Worms. In that case, the prompt use of CAR-SUL will rid them of these pests and put them in the money-making class. CAR-SUL is the greatest preventive of Hog Cholera known. It is non-poisonous to hogs, yet death to parasites. Used by leading hog raisers for years. Endorsed by best veterinarians. Recommended by agricultural experiment stations. Winner of Grand Prize at World's Fair, St. Louis, the greatest Live Stock Exhibition in the world's history. Do you wonder that we give a guarantee of satisfactory results to any hog raiser who uses CAR-SUL according to our simple directions? CAR-SUL costs you nothing if it fails—and if it does all we claim, it will prove the best investment you ever made. We want every swine owner in America to send for a copy of our

Complete Hog Doctor Book—Free and get posted on the Cause and Cure of Hog Diseases. This fine book tells What to Do in Emergencies. Contains Illustrated Lectures on Parasites and Germs. Explains the use of CAR-SUL and enables you to Save Sick Hogs. Write for it. It is free to hog raisers. Address: Dr. H. J. Whittier, Pres., The Moore Chemical & Mfg. Co. Dept. J 4, 829 S. W. Boulevard, Kansas City, Mo.

Car-Sul Hog Dip

SORE SHOULDERS If you mean business and really want to CURE that poor horse of yours of those awful sore shoulders, neck or collar galls, stop experimenting and get a box of BALSOLINE. The ONLY salve for man or beast. Druggists or by mail 25-50c. Trial box 4c. From Balmoline Co., Sta. B, Abilene, Kan.

THE ONLY \$100.00 if it don't run all winter. Write today for free trial offer. Only Mfg. Co. Box D, Hawarden, Ia.

DR. W. J. CONNER, LABETTE, KANSAS. Breeder and Shipper of MULE-FOOTED HOGS. THE COMING HOGS OF AMERICA. They never have cholera. They are the best rustlers in the world. Pigs from 10 to 16 weeks old \$30 per pair. Write for particulars.

DOWLING'S FISTULA AND LUMP JAW CURE.

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

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

DEATH TO HEAVY GUARANTEED NEWTON'S HEAVE AND COUGH CURE A VETERINARY SPECIFIC. 15 years' sale. One to two cans will cure Heaves. \$1.00 per can. Of dealers, or express prepaid. Send for booklet. The Service Book Co., Toledo, O.

The MITES and LICE are Exterminated and cannot get started again when you use the American Medicated Lice Killing Perch. Made with a reservoir inside, where the Liquid Lice Killer is stored, which exuding, kills all Mites, Lice, and prevents Disease. Very inexpensive. CIRCULARS and PRICE LIST on REQUEST. AMERICAN PERCH CO., - BROKEN BOW, NEB.

Just to get you started as a regular subscriber to

THE FARM QUEEN

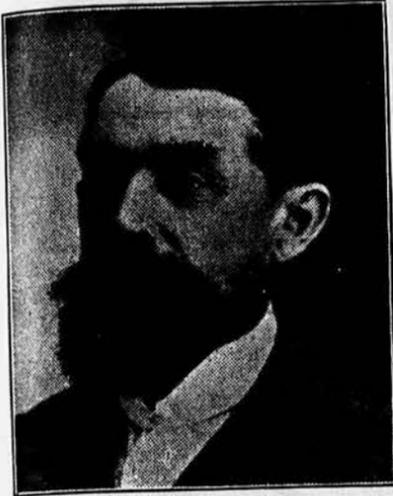
We will send this large monthly which is full of valuable information for the farmer's wife for

10 CENTS A YEAR

We will also send your name to 100 other publishers requesting them to send you a free sample of their paper. Send 10 cents to-day for all the above.

THE FARM QUEEN, 901 9th St. Orangeville, Md.

boned, good action, splendid style, and we think good at every point that goes to make a good brood mare. They consist of matched teams, weighing from 3,200 to 3,600 pounds. One two- and three-year-old fillies, sucking mare colts. The aged brood mares have had colts and worked on the farm all season and will enter the sale ring only in moderate flesh, not as fat as they should be to sell right good and I will be the looser for it. "You will find this stock just as I have described it, or I will pay you for your trip. Catalogues are now ready, send for one for yourself and one for a friend that may not happen to see my ad."



D. O. BANCROFT.
The above is a splendid likeness of D. O. Bancroft, Downs, Kans., proprietor of the Walnut Grove herd of Duroc-Jerseys. Mr. Bancroft has been a good buyer of high-class stuff and his herd is now one of the best in the State. October 31 is the date of his sale of spring boars and gilts at Downs. Write for a catalog and arrange to attend.

Gossip About Stock.

Dr. W. H. Richards, of Emporia, Kans., has a nice lot of collies for sale that are very highly bred and good individuals. A collie dog is very handsome and by long odds the most useful animal of the kind that can be had on the farm. They are excellent watch dogs and are so intelligent that they can be trained to handle stock without personal oversight. Write to Dr. Richards what you want.

W. T. Dowling, who is the manufacturer of Dowling's Fistula and Lump Jaw Cure at St. Marys, was raised on a farm and has a thorough knowledge of livestock and their care and handling. He has acquired great skill in treating them for their diseases and injuries and has gained a large fund of experience which has enabled him to perfect a remedy which does the work. The Fistula, Poll-evil, and Lump Jaw Cure have been tried on hundreds of valuable animals and they have been cured and rendered useful to their owners when without this remedy they would have been a total loss. A small amount of money invested in a remedy like this may save hundreds of dollars in any one season. Write to him at St. Marys and you will find that he is thoroughly reliable and that you will be treated right.

On November 8 T. F. Williams, a Poland-China breeder of Burr Oak, Kans., will sell a draft of forty head from his good herd which is located about six miles northwest of that place. One of the splendid Poland-China herd boars of that part of the State is Columbia Chief, he by Mogul and out of a dam by Highland Chief Jr., the three times winner of first and twice sweepstakes Poland-China boar at the Nebraska State Fair. In '95 he was defeated by Mogul for sweepstakes honors, Mogul having won first in the junior yearling class and Highland Chief first in the aged boar class. Both were popular candidates for sweepstakes honors, but Mogul was the winner. Columbia Chief will be on exhibition sale day. Bids may be sent to J. W. Johnson, of The Kansas Farmer, in care of Mr. Williams. Remember the date, November 8.

J. L. Williams and Josias Lambert, Mr. Williams, of Belleaire, and Mr. Lambert, of Smith Center, Duroc-Jersey and Poland-China breeders respectively, held a combined sale at Smith Center the 9th of this month and were well pleased with the prices received. Mr. Williams consigned nothing but boars, all but one of spring farrow. His herd of Durocs at his farm north of Belleaire and not a long distance from Smith Center is one of the best herds in the northern part of the State. In fact he has been one of the best buyers for the past two years in the State. All of his best gilts and also some fall yearlings and tried sows are being reserved for his winter bred sow sale at Smith Center February 20. He will sell in the circuit mentioned elsewhere in this issue. We will have a more extended notice concerning this herd soon.

E. M. Myers, of Burr Oak, Kans., a well-known Duroc-Jersey breeder of that place, is offering 15 nice, growthy boars of March and April farrow sired by Ohio Prince, he by Fancy Chief, the well-known herd boar owned by John W. Jones, of Concordia, Kans. The dam of Ohio Prince was Top Notcher Lass, by Old Top Notcher. He is one of the best yearling boars we have seen this season and is surely bred in the purple as Fancy Chief by Ohio Chief and Top Notcher Lass by Top Notcher is about as fashionable breeding as you will find. Also a few boars are for sale sired by Myers' Improver. All of the spring gilts, and are a nice lot, they are being reserved for his winter bred sow sale. Mr. Myers has claimed the 22d of February for his sale in which he will sell in a circuit with W. C. Whitney, Agra, Kans.; J. L. Williams, Smith Center, Kans., and P. L. Dodd, of Esbon, Kans.

P. L. Dodd, the Duroc-Jersey breeder, of Esbon, Kans., has 11 boars of spring farrow for sale sired by Surprise, he by Cole's Duroc. The dam of Surprise was Village Pride, which was one of the greatest brood sows ever owned in Nebraska. Surprise is a splendid breeder and a good individual. Two of the boars that Mr. Dodd is now offering were sired by Shorty Orion, John W. Jones' \$1,000 herd boar and the winner at the Illinois State Fair last season. They are out of a dam tracing to Kant Be Beat. Two are out of Bell's Chief 2d and a Kansas Wonder dam bought at a long price in J. E. Joine's great sale at Clayde, Kans., last February. Bell's Chief 2d is one of the great herd boars in

Mr. Joine's herd at Clayde. All of the gilts are being reserved for his bred sow sale February 21. Mr. Dodd sells in the circuit with Whitney, Williams, and Myers, and his offering will be a very select one.

Chester Thomas' offering of 55 head of Duroc Jerseys at Waterville, Kans., Wednesday, October 23, consisting of 20 head of select spring boars taken as tops from over sixty head, 15 tried sows and fall yearling, and the balance spring gilts selected from about 50 head of March and April farrow, will surely be appreciated by Duroc breeders all over the country. The writer was at Mr. Thomas' place recently and was shown this offering. Everything is grown out in the best possible manner and is one of the very best offerings to be made in Kansas this season. Almost all of the spring stuff was sired by Nebraska Wonder and is out of Kansas Wonder dams. A splendid tried Kansas Wonder sow will be sold and also one or two yearling boars by him that you should see if in need of a herd boar. J. W. Johnson, of The Kansas Farmer, will be at this sale and handle carefully any bids entrusted to his care. Send bids to him in care of Chester Thomas, Waterville, Kans. See his ad in this issue.

Chas. Morrison & Sons, Phillipsburg, Kans., write as follows: "Our herd of Red Polled cattle are in fine growing condition. We have our usual crop of bull calves, 15 fine, growthy fellows, square, straight, and a deep dark red color. The demand for Red Polled is growing every year. We have never had enough bulls to go round. The farmer is finding out that the Red Polled are the breed to tie to as they come nearer filling their wants as to beef and milk. They are the dual purpose breed, the cows giving a good quantity of rich milk and raising a calf that will feed easy and demand the top price on the market. We have some fine young cows and heifers to spare and can fit out a young herd of choice ones. The farmer who has a herd of grade cows will get more money and pleasure out a Red Polled bull than any other he could use. His calves will be 90 per cent hornless and a solid red color. Will feed easy; and the heifers will make good milkers, which are in demand. Our Poland-Chinas are in fine condition. We have some fine pigs sired by Prince Wonder 114273. He is the largest hog in Kansas out of the largest sow in America owned by Peter Mouw. Prince Wonder is a great breeder. His pigs are heavy-boned, of great length with plenty of finish. The man who wants more size and length in his herd will do well to send in an order for one of his pigs. We are selling them very reasonable. We have some good ones by Hawkeye Chief 38815 bred by Peter Mouw. We have a number of extra good sows and gilts to be sold this fall and winter, bred to Prince Wonder. We will be pleased to have parties write, or better still come and see this herd if you want something good at a living price. We make no public sale."

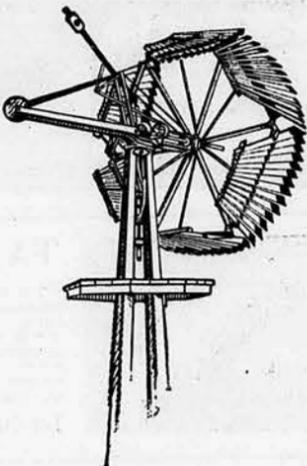
A FINE STYLE BOOK FREE.

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.

Making Use of the Wind.

The accompanying illustration shows the type of vaneless wind mill made by the Fairbury Iron Works and Wind Mill Co., Fairbury, Nebraska. Wind power is one of the cheapest forms of motive power that can be employed on the farm, especially for pumping. A good wind mill furnishes not only a picturesque adornment, but is also a most practical labor-saving addition to any farm.



With a mill such as is here illustrated, the equipment manufactured to go with it and a proper system of piping, water pressure sufficient for all ordinary purposes of the house, barn, and premises may be secured at very nominal cost, and to an extent but little inferior to that enjoyed by those having connection with a regular waterworks system. By the improved pneumatic tank system the necessity for expensive elevated storage is eliminated and all tanks and pipings may be placed underground below the frost line, insuring a continuous flow at uniform pressure the year round. The Fairbury Iron Works and Wind Mill Co. manufacture two kinds of vaneless mills—a solid wood mill and one of steel. Also a full line of steel tanks, tank heaters, pumps, etc., and water supplies of all kinds. Their booklet, "Wind and Water on the Farm," should be read by all wishing to secure information on the subject and who are looking for a first-class wind mill. It will be mailed to anyone on request. Address the Fairbury Iron Works and Wind Mill Co., Fairbury, Nebraska, mentioning The Kansas Farmer.

Every Animal His Own Doctor

Stand back of every pound Taylor's Stock Tonic made by F. J. Taylor



Taylor's Stock Tonic Not Fed in Doses

Simply put it in a box where all live stock can have free access to it.

The animal's own appetite will make him eat just the amount to keep him not only free from disease but growing and fattening faster than by any other means. If he doesn't need it he will not eat it—therefore it is the most economical tonic ever made.

Cholera has never developed where the hogs had free access to Taylor's Stock Tonic.

Worms cannot exist—they are immediately killed and expelled.

Blackleg is unknown in herds where this tonic is kept in the pasture or feed lot.

The same is true of all diseases arising from overtaxed digestion or disordered stomach.

It purifies the blood, cleans and tones the stomach and bowels, improves digestion and assimilation and thereby increases the feeding value of every pound of feed on the farm, as well as making your live stock practically immune from disease.

Our Proposition.

The price of Taylor's Stock Tonic is \$3.75 per 100 pounds. You would buy it if you thought it would make you money. To satisfy you of its real merit we will send you 50 pounds on 30 days' trial. You don't pay for it unless it does the work. Send us the coupon below.

F. J. TAYLOR CO.
Please ship me a 50-pound sack of your STOCK TONIC which I agree to use at once according to your directions. If satisfactory I will send you \$1.00 for the same. If not satisfactory I will return the empty sack within 30 days and you will balance my account.
I have Cattle, Hogs and Sheep.
Name
P. O. address
Shipping address

F. J. TAYLOR CO., 361 Live Stock Exchange, Kansas City, Missouri.



Blacklegoids
Simplest, Safest, Surest Vaccination for the prevention of **BLACKLEG IN CATTLE**
NO DOSE TO MEASURE. NO LIQUID TO SPILL. NO STRING TO ROT.
Just a little pill to be placed under the skin of the animal by a single thrust of the instrument. You cannot afford to let your cattle die of blackleg when a few dollars spent on Blacklegoids will save them. Write for circular.
PARKE, DAVIS & COMPANY
HOME OFFICES AND LABORATORIES, DETROIT, MICH.
NOTICE.—For a limited time we will give to any stockman an injector free with his first purchase of 100 vaccinations.

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

ACCEPT NO SUBSTITUTE
Hygeno DIP AND DISINFECTANT
THRIFTY LIVE STOCK
The all important question with the farmer and live stock raiser is how to produce the most beef, pork or mutton with the smallest expense. The only answer is, prevent disease rather than try to cure it. Hygeno—dip and disinfectant is a powerful germicide and positive insecticide. Used occasionally as a dip, and spray it will keep the livestock in a healthy and thrifty condition. Hygeno costs less than one cent a gallon when diluted and we can positively say it will cost you more if you do not use Hygeno than it will if you do. If your dealer cannot supply you with Hygeno, send us his name and we will take care of you and mail our Health Book and free sample.
824 EUCLID AVE. THE HYGENO DISINFECTANT CO. CLEVELAND OHIO.

56 Head Poland-Chinas 56
The Big Boned, Prolific Kind, at Auction
H. H. Harshaw will sell 32 boars and 24 sows at Butler, Mo., November 8, '07, composed of fall yearlings and spring farrow. Some herd boar material.

Sorghum- and Sugar-making in Kansas.

F. D. COBURN, SECRETARY KANSAS STATE BOARD OF AGRICULTURE.

Kansans were early possessed of the idea that their State was adapted to the growing of sugar-yielding plants. In spite of various backsets and disappointments this opinion was steadfastly adhered to, and finally doubt was supplanted by the demonstrated fact that at least some portions of Kansas were not only suitable for sugar-yielding plants, but that such could be and are actually grown in the State and manufactured into sugar of the highest quality. This of course refers to the flourishing sugar-beet industry, and the output of the million-dollar beet-sugar factory at Garden City, built in 1906, after experiments covering five years had shown that sugar-beets could be reliably produced in the State's Arkansas valley counties.

For five years prior to the erection of this factory the State had been offering encouragement by appropriating \$5,000 annually as bounty for those who raised beets that contained a given percentage of sweetness and were actually made into sugar. These appropriations were continued for six years, beginning with 1901, and served their purpose; there was no longer necessity for them. These, however, were not the first appropriations made by the Legislature to promote sugar-making.

A quarter of a century ago Kansans were optimistic that through the utilization of the common sorghum grown so profusely, the State would become a famous sugar center. The pioneers in this movement, while able to make a fairly good quality of sugar, could not do so at a profit, largely owing, as it was then thought, to the inadequacy of the methods used for extracting the sugar, leaving perhaps half in the plant. New interest was awakened, however, by the application of new processes that promised to obviate this and other difficulties. Lack of money to develop the possibilities of later processes was the obstacle that now confronted the industry, but this was in part at least surmounted by the government's making appropriations for several years to demonstrate their practicability.

In 1887 the Legislature took note of the industry by providing for a bounty of two cents per pound, upon all sugar manufactured in the State for five years, the maximum amount to be paid in any one year being limited to \$15,000. This was afterwards amended, making the maximum amount \$40,000 a year, extending the period to seven years, and decreasing the per pound bounty to three-quarters of one cent. This law gave impetus to the building of sugar factories, and in 1889 there were ten in the State, one each at Fort Scott, Medicine Lodge, Attica, Conway Springs, Meade, Arkalon, Liberal, Minneola, Ness City, and Topeka, although the latter was destroyed by fire in that year. In 1889 the factories operating produced 1,

293,274 pounds of sorghum-sugar, on which the bounty aggregated \$25,865. The largest production was in 1890, amounting to 1,371,930 pounds, and the bounty was \$27,438. State bounty was available from 1887 to 1893 inclusive, and the total amount paid in that time on sorghum sugar was 94,273. In the first of these bounty years it was found that 234,607 pounds of sugar were manufactured, and in the last 934,172 pounds, the output of 1893 being from the factories at Fort Scott and Medicine Lodge.

After the discontinuance of bounty, statistics of production were no longer collected. The demise of the industry, however, was not long afterwards recorded, and what at one time had promised great things was relegated to the scrapheap of unprofitable ventures. An interesting feature in connection with the sorghum-sugar making is the fact that through the enterprise of one of the officials of the Medicine Lodge factory, sugar-beets were first experimented with in Kansas for sugar-making. The experiment seemed to indicate that suitable beets could be grown, but different machinery, something that could not then be provided, for lack of funds, would be required.

With the establishment of sorghum-sugar factories, as might be naturally expected, came an extension in the areas devoted to the growing of saccharine sorghums, and when enthusiasm for the industry was highest, in 1889 and 1890, the areas were largest, aggregating 683,391 and 56,393 acres, respectively. In no year since has the area been so large as for either 1889 or 1890, and the annual areas have declined until in 1907 the assessor returned the smallest area in sorghum for syrup or sugar (8,046) reported to the State Board of Agriculture for the past quarter of a century. Throughout this time, however, the product of considerable areas was used for syrup-making, and the crop of 8,046 acres returned in 1907 under the heading "Sorghum for syrup or sugar" will probably all be used for making molasses, a commodity for which there is more or less demand. No sorghum sugar has been made in Kansas for more than a decade past.

As a forage sorghum has been grown in all portions of the State since its early settlement. Nonsaccharine varieties have come into Kansas' agriculture that have a wider adaptation and are more highly esteemed by some because of their yields of grain as well as of forage. Kafr-corn is chief of these, and perhaps the most popular of the sorghums grown. The territory regarded as best adapted for the raising of sorghum for sugar was the southern tier of counties as far west as and including Barber County. Sweet sorghums are also grown extensively for forage, many preferring them to the nonsaccharine varieties, and as a stock feed they are highly prized. The area of sorghums for forage and grain returned as planted in 1907 was 910,933 acres.



The Galloway Implements.

The best implement display that the writer saw made by one individual or company at any of the State Fairs this fall was made by Wm. Galloway, manufacturer of the great Galloway line of agricultural implements, cream separators, vehicles, etc., at Waterloo, Iowa. Galloway is a hustler and he makes good implements. He claims that the "only way is the Galloway" from factory to farm. About the best machine that he ever made is his manure spreader. This is made in several sizes but the most popular one seems to be that which may be attached to any ordinary farm wagon. It is so cheap,

so efficient, and so easily handled that it has become very popular and the Galloway company is doing an enormous business in supplying a demand for them. This company has been invited to exhibit a machine at the next meeting of the Shawnee Alfalfa Club which will be held at Topeka on October 26, and farmers are cordially invited to be present and inspect it. If you can buy a spreader that will do the work perfectly for only \$60 what object can there be in paying \$100 or more? The writer uses one of these spreaders on his farm and will be very glad to answer any question about it. We show a picture of this spreader herewith and refer you to the advertisement on another page.

The Famous Steer RUBY ZENOLEUM International College Champion, 1906, Owned and Fed by Nebraska Experiment Station

Chicago Live Stock World said "192 Exhibitors at the International, Chicago, are Users of Famous ZENOLEUM. That tells the story."

IT WILL HELP YOUR CATTLE

No other animal dip and disinfectant has so many real uses about the cattle-barn and feed-lot. It is valuable to the farmer and stockman, the beef-grower and the dairyman. Zenoleum kills lice, cures mange and all skin diseases. Heals sores and wounds. Stops contagious abortion. Prevents calf-cholera and scours. Its use makes clean surroundings.

ZENOLEUM

Destroys disease germs and prevents contagion. One gallon goes a long way with the average herd. Perfectly healthy animals are better producers and make greater profits. Zenoleum keeps stock well.

Forty-two State Agricultural Colleges Recommend It.

AT ALL DEALERS—Small size, 25c; Quart, 50c; Half gallon, \$1.00; One gallon, \$1.50; Five gallons, \$6.25—or we will deliver one gallon or more, charges paid, to your station.

ASK YOUR DEALER FIRST

Our Broad Guarantee

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

64 Page Booklet

Zenoleum Veterinary Adviser written by Agricultural College Authorities. Positively Free or the asking. Send a postal quick.

The Zenner Disinfectant Co.
161 Lafayette Ave., Detroit, Mich.

\$10,000,000 PROFIT

Or 1000 per cent earned by the Standard Oil Company in the State of Indiana in twelve months. Attention is called to another oil enterprise known as THE INTERNATIONAL PETROLEUM AND REFINING COMPANY, an established and going concern operating in Indiana, owning in Indiana, owning twenty-seven producing oil and gas wells with perpetual leases on proven oil lands sufficient for 250 additional wells, with net earnings at the present time ample to pay promptly quarterly dividends at the rate of 8 per cent per annum on its preferred stock, with an occasional extra dividend on its common stock, and whose earnings will be largely increased, estimated at over 400 per cent within the next twelve months, on the completion of the company's refinery and the bringing in of additional wells. Anyone looking for a SAFE, SOUND and HIGHLY PROFITABLE investment and having money or securities that are not earning 8 per cent or more, should not fail to call on or write us at once for particulars.

J. L. RICE CO., 45 Milk St., Boston, Mass.

I Want A Scale on Every Farm!

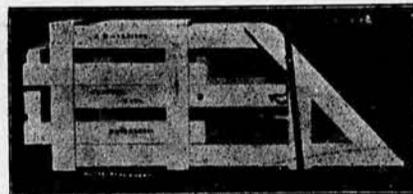


Why not buy mine? I am the plan of selling scales DIRECT at fair prices. I was the FIRST to offer the farmer a RELIABLE at a fair price. I have made and sold scales for 42 years, and while to-day there are hundreds of other scales made and sold EACH AMERICAN FARMER who buys a scale is under OBLIGATIONS to me for having made the FIGHT against the old monopolists and having put the price within reach of all. I am now fighting the ENTIRE SCALE TRUST AND COMBINATION to keep the price down.

I have a history of the scale business, called the "Reason why you should buy a Scale", which I will send FREE to anyone asking for it, together with a full line of prices on all kinds of FARM SCALES.

Address "JONES, He Pays The Freight".
Binghamton, N. Y. Lock Box 52

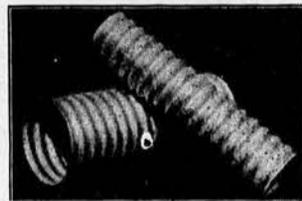
ORIGINATOR of the to the farmers at reasonable AND ONLY MAN to HIGH GRADE SCALE



GARRISON'S COMBINATION BREEDING AND RINGING CRATE.

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

A. B. Garrison -- Summerfield, Kans.



TAXPAYERS TAKE NOTICE

Tell your township officers about our patent corrugated culvert made of annealed iron, heavily galvanized. Cheaper than wood or stone. Rust proof. Expands with heat and contracts with cold. Never breaks. Strong enough to hold up any weight. Over 600,000 feet sold last year to the big railroad companies, township officers and street commissioners. Mention it to the proper authorities if you are interested in better roads for less money, and write for our remarkable book of proof.

THE CORRUGATED METAL MFG. CO., Box 264, Emporia, Kas.

J. H. McCULLOUGH, Pres.
Solomon, Kans.
J. S. CANADA, Vice-Pres.
Minden, Neb.

BOTH PHONES
1349, West.

B. R. BEALL, Sec'y & Mgr.
Kansas City, Kansas.
P. W. GOEBEL, Treas.,
Kansas City, Kansas.

CAPITAL STOCK, \$50,000

The Farmers Terminal Grain Co.

Receivers and Shippers of Grain and Mill Products

Board of Trade Building.

KANSAS CITY, KANSAS.

WHEN WRITING OUR ADVERTISERS PLEASE MENTION THIS PAPER

Agriculture

Alfalfa and Crab-Grass.

I am puzzled what is best to do with 20 acres of alfalfa I sowed last June on bottom land, I got one of the thickest stands I ever saw, in fact it was entirely too thick. At one month old there was perhaps a plant to every square inch still alive, there is now perhaps a plant to every three inches still alive. The crab-grass came very thick about the time the alfalfa had three leaves, also the dry weather came. I mowed the crab-grass and alfalfa twice and it is again thick and about five inches high. Some places in the field the alfalfa is as tall as crab-grass but most of the field is crab-grass with green alfalfa stems that are just starting again from the root. The last few days have been very rainy and the ground is thoroughly soaked, of course a frost is likely to come any time now and kill the crab-grass. Now what is puzzling me is whether or not with the crab-grass that is standing and that which is lying there from the two cuttings and this wet weather will the alfalfa get mulched out or should I mow it close to the ground and rake off? It is very clear to me that the amount of mulch on this ground would hurt nothing through the summer.

A SUBSCRIBER.

Washington County.

One of the greatest objections to the spring seeding of alfalfa is the danger of the crop being choked out by crab-grass and this is particularly true upon bottom lands. By the first of October the crab-grass has done all the damage to the crop that it will do, for the first frost will kill the crab-grass, while with warm weather following the alfalfa will continue to grow. I believe there would be no advantage in mowing the crab-grass and alfalfa at this time in fact I believe there would be a decided disadvantage, in the first place if mown at this time the young alfalfa plants will be checked and given a back set in growth. In the second place if the crab-grass and alfalfa is mown it would very likely be necessary to rake them off in order not to smother the alfalfa plants and this should not be done as the grass should remain upon the field as a mulch and winter covering. It will not be necessary to remove the grass left upon the ground from the first two cuttings for it was not heavy enough to injure the crop at the time of cutting all danger of injuring is now past. G. E. CALL.

Use the Best Seed.

F. D. COBURN, BEFORE THE SHAWNEE COUNTY ALFALFA CLUB.

I can surely render the members of your club, and alfalfa-growers in general, no better service in one brief communication than to urge upon them with emphasis, the utmost caution and painstaking in securing and sowing none but the highest quality of seed. This quality means not only seed demonstrated as ninety or more per cent germinable, but free from the adulterations and impurities likely to be found present, most frequently from carelessness or shiftlessness, but often from design, and sometimes from both. Alfalfa seed is expensive at best, and doubly or trebly so if it will not grow or carries with it trash and quantities of other seeds which stock a field, a farm, or a neighborhood with weed pests that interfere with or crowd out the alfalfa, displace expected profit with positive loss, and provoke bitterness of thought and speech.

Recognizing the fact that much of the seed on sale is entirely unreliable, the Agricultural Department at Washington, and some of the more wide awake experiment stations, have been making tests to discover the defects and values of seed ordinarily found in the market, and some startling revelations are the result. The Washington investigators for example found in one pound of so-called alfalfa seed on sale 32,420 noxious weed seeds; in another 23,082, and in still another 21,808. Of the first named pound less than 59 per cent was alfalfa; less than

29 per cent was germinable, and among its impurities were 5,490 seeds of dodder—surely the devil's own invention. One pound of another lot contained only a fraction over five per cent that would grow, and of a third lot but slightly over six per cent.

The Ohio Station bought for testing fifteen different samples, a dollar's worth each. A pound from one of these carried 18,144 lambs quarter or pigweed seeds, and another 6,420 seeds of crab-grass and 3,325 of foxtail. Seed supposedly costing \$7.80 per bushel was, when cleaned, found to have cost actually \$12.74 per bushel.

The Oklahoma Station, among many samples, tested one having 60 per cent pure seed and 40 per cent of impurities. Only 65 per cent was germinable. Another sample "which at first sight would be classified as good" was found to contain per pound 453 witch grass seeds, 90 plantain seeds, 151 crab-grass seeds, 90 wild carrot seeds, 453 foxtail seeds and 155 Russian thistle seeds. As the official who made this test says, if twenty pounds of alfalfa seed of this grade were used to sow an acre one would have approximately two seeds of witch grass and two foxtail seeds for every ten square feet; four seeds of plantain, seven Russian thistle, and six seeds of crab-grass for each hundred square feet. These would doubtless grow, and the mischief they might lead to nobody can estimate.

Among samples of alfalfa seed offered for sale Professor Roberts of the Kansas Experiment Station found one with more than 88 per cent of impurities and 34 different kinds of foreign seeds, and these constituted 31.5 per cent of the whole. In this lot were also 3.8 per cent of trash and dirt, and 53 per cent of the seeds true to name were incapable of germination. Another sample was 79.3 per cent impurities, and 53.3 of the remainder valueless. Twenty-six lots tested by Professor Roberts contained an average of 44.1 per cent of impurities, including 8 different kinds of foreign seeds amounting to 4.5 per cent, trash and dirt 4 per cent, and 35.8 per cent of what was really alfalfa seed was not germinable.

One of the samples was 95.2 per cent impurities, and 43.4 per cent of the rest was not germinable. But 20.2 per cent of the seed was true to name and capable of germinating. Using this sample as an example Roberts says that "computed on the basis of the cost of standard alfalfa seed it would have taken 73.9 pounds per acre of this seed to give as much of a stand as could have been secured with 15 pounds of standard seed. To secure such a stand from the seed in question it would have necessitated the purchase of so much seed as to bring the actual cost up to \$11.92 per acre, making the actual cost \$49.26 per bushel. But this is not all: There would have been sown on the land over four million weed seeds of various species, or 105 to the square foot. Of another sample he says the low germination per cent would have raised the cost per acre to \$5.75, besides sowing the land with 95,000 plantain seeds, 19,000 dodder seeds and 25,000 seeds of foxtail—or in all 167,000 weeds of various sorts."

Of course, as a matter of fact, where bad seed is sown the actual result is a weak, poor stand of alfalfa and a dense growth of weeds. The land has to be plowed up and re-seeded, the use of the land for a year is lost, and it has become foul with weeds, many of which will be newly introduced and noxious in character.

These findings pointedly suggest that it is safe to buy seed of only a thoroughly reputable dealer or grower whose name and guarantee stand for something. Get samples early and test them. Learn positively that it is alfalfa seed, and not something else, and that it will grow. If more than ten per cent fails to grow don't buy it, for something is wrong. Choice seed, the only kind worth sowing, always commands a good price, and is worth it. The Agricultural Department at Washington, or your State Experiment Station, will test samples of seeds sent, and report on them without charge.

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Yours To Try Free 30 Days

Direct From Factory to Farm

\$25,000 Guarantee

LET me tell you something. I'm making a quotation on the Galloway Wagon Box Spreader SO LOW that farmers all over the country are taking notice—and sending in their orders while they can get them at this figure.

Some spreader experts said it couldn't be done—that a first-class spreader couldn't be turned out for the figure I'm quoting this season.

BUT I'VE PROVED THAT IT COULD BE DONE—at least I'm going to keep on thinking I have, as long as farmers back me up in this way.

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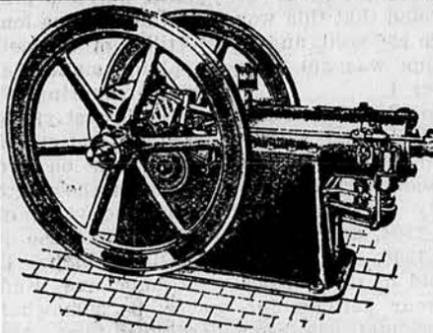
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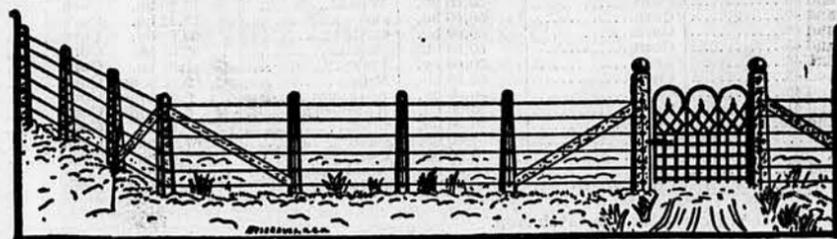
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Indian Corn.

FROM KANSAS EXPERIMENT STATION BULLETIN NO. 147. A. M. TENNEY AND V. M. SHORSMITH.

(Continued from last week.)

ROTATION EXPERIMENT WITH CORN.

In this experiment forty-eight one-fourth-acre plots (with eleven-foot alleys between them), situated in the same field, were laid off in two series of twenty-four plots each. In 1903, the first season of the experiment, fourteen of the plots in series I were planted to the following crops: Wheat, wheat followed by cow-peas as a catch crop, oats, barley, emmer, flax, millet, sorghum, Kafr-corn, corn, corn followed by cow-peas as a catch crop, corn followed by rye as a catch crop, soy-beans, and potatoes, which the remaining ten plots were used as duplicates of the above plots, with the exception of those followed by catch crops. In 1903, the second series of plots was planted to corn. In 1904, series I was planted to corn, and series II to the crops mentioned above. In 1905, the plots were planted as in 1903, and so on, so that each year corn has been grown after the various crops and the various crops have been grown after corn, the object of the test being to study the effect of each of these crops upon the growing of corn.

In plots 1 and 25 cow-peas have been seeded as a catch crop as soon as possible after the wheat has been harvested, the seed-bed having been prepared by the use of the disk harrow. A fairly good stand has usually been secured and the cow-peas has generally made a growth of about sixteen inches in height before frost, and have been plowed under later in the fall, usually while the vines were still green. The cow-peas have been seeded in plots 15 and 39 with a one-horse drill between the rows of corn immediately after the last cultivation. A fair stand and a growth of twelve to sixteen inches has been secured each season. In plots 14 and 38 the rye was seeded in 1903 when the corn was laid by, but it was found that this was too early to start the rye well, and in 1904-05-06 the seeding was not done until about September 1.

The corn was planted with a lister in 1903, 1904, and 1905, and with a planter, in fall plowing, in 1906. The seed-bed for the other spring crops was prepared mainly with the disk harrow in 1903 and 1904, and by fall plowing in 1905 and 1906. Table XIII gives the annual yield of the various crops for the four-year periods during which this experiment has been conducted. Table XIV gives a sum-

mate requires early planting in a fertile soil and well-prepared seed-bed. This experiment, however, is being conducted in an upland field, which has not been manured or fertilized, and which has been cropped for many years, and under these conditions small crops of potatoes have resulted, followed by relatively large yields of corn. Figuring the potatoes at 50 cents per bushel and the corn at 30 cents, the gross value of the crop

tection to the soil through the fall and winter, thus preventing the soil from blowing, catching the rain, and stopping the drifting snow. When corn follows rye in this way it is necessary to plow or double list, and this should be done rather early in the spring, unless it is preferable to plow late in the fall. If rye is plowed under late in spring, the seed-bed is apt to be left loose and dry, and if corn is listed in rye, the rye becomes a trouble-

TABLE XIV.—Showing yields of corn after various crops.

CROPS IN THE ROTATION.	Average yield per acre 1903-04-'05 of various crops preceding corn.	Estimated value (per bu. or ton) of crops in preceding column.	Average yield of corn per acre, 1904-'05-'06, after various crops, bu.	Value of crops produced in the various 2-year rotations.
Corn and wheat*	Wheat..... 14.66 bu.	\$0.68	55.08	\$27.49
Corn and wheat.....	Wheat..... 13.24 bu.	.68	48.32	22.60
Corn and oats.....	Oats..... 31.80 bu.	.33	51.49	25.94
Corn and barley.....	Barley..... 19.56 bu.	.40	52.23	23.49
Corn and emmer.....	Emmer..... 28.54 bu.	.35	52.99	25.89
Corn and flax.....	Flax..... 6.77 bu.	3.50	53.12	22.03
Corn and millet.....	Millet..... 1.96 tons.	3.50	57.22	24.03
Corn and sorghum.....	Sorghum..... 7.56 tons.	2.50	40.22	31.15
Corn and Kafr-corn.....	Kafr-corn..... 8.50 tons.	2.50	44.04	34.46
Corn and corn.....	Corn..... 39.24 bu.	.30	54.55	28.82
Corn and corn*.....	Corn..... 45.46 bu.	.30	50.59	28.82
Corn and corn*.....	Corn..... 42.81 bu.	.30	60.74	31.07
Corn and soy-beans.....	Soy-beans..... 14.25 bu.	.65	67.50	29.51
Corn and potatoes.....	Potatoes..... 44.98 bu.	.50	69.98	43.47

*Followed by cow-peas as a catch crop.
†Followed by rye as a catch crop.

produced in two years by this two-year rotation would be \$43.47.

The second largest average yield of corn, 67.50 bushels per acre, was produced after soy-beans, and offers a good illustration of the value of legume crops for increasing the available nitrogen in the soil, preparatory to growing large crops of corn or other heavy nitrogen feeding crops. However, the total value of the crops produced by the rotation was less than the value of the crops produced by other rotations, and this is due to the fact that the soy-bean produces small yields and is not in itself a profitable crop to grow. It appears from the above table that corn may follow corn to good advantage at least for a few years, but this practise should not be continued for a long period, unless the fertility of the soil be maintained by applying manure and fertilizers or by green manuring.

The lowest yields of corn have been produced after Kafr-corn and sorghum, but on account of the large yields of the sorghum and Kafr-corn crops the value of the total production from these rotations has been relatively high. The area planted to sorghum and Kafr-corn must, however, be somewhat restricted on the ordinary farm, as these crops, especially the sorghum, must be largely

some weed which is difficult to destroy and which may injure the growth of the corn.

The sowing of the rye in the corn has seemed to give better results than the catch crop of cow-peas in the corn. This may be due to the fact that the rye has been sown late in the season, after the corn had practically finished its growth, while the cow-peas were sown in the summer and had to compete with the corn for moisture and plant-food, which has usually resulted not only in a thin stand and a dwarf growth of cow-peas, but the corn has also been checked in growth enough to give some decrease in yield. Since the cow-pea is a southern plant and requires warm weather to grow, it can not be successfully planted in corn much later than practised in this rotation.

There is no question but that cow-peas are a valuable fertilizer when they are used as an intermediate crop between small grain and corn. This is indicated by the marked increase in yield of corn after wheat and cow-peas, as compared with corn after wheat, the average yields being 55.08 and 46.32 bushels per acre, respectively, or 8.76 bushels per acre each year in favor of the cow-peas-catch-crop rotation.

It seems advisable in a rotation of

TABLE XIII.—Rotation of crop with corn.

No. of PLOT	1903.		1904.		1905.		1906.	
	Crop.	Yield per acre.						
1.....	Wheat*	3.87 bu.	Corn.....	44.89 bu.	Wheat*	22.58 bu.	Corn.....	56.81 bu.
2 and 24.....	Wheat.....	3.84 bu.	Corn.....	32.40 bu.	Wheat.....	18.67 bu.	Corn.....	57.57 bu.
3 and 23.....	Oats.....	31.84 bu.	Corn.....	45.74 bu.	Oats.....	35.44 bu.	Corn.....	56.74 bu.
4 and 22.....	Barley.....	19.21 bu.	Corn.....	45.72 bu.	Barley.....	18.76 bu.	Corn.....	57.07 bu.
5 and 21.....	Emmer.....	25.07 bu.	Corn.....	50.20 bu.	Emmer.....	29.87 bu.	Corn.....	56.42 bu.
6 and 20.....	Flax.....	6.62 bu.	Corn.....	48.00 bu.	Flax.....	6.36 bu.	Corn.....	57.74 bu.
7 and 19.....	Millet.....	2.16 tons.	Corn.....	43.12 bu.	Millet.....	1.11 tons	Corn.....	61.53 bu.
8 and 18.....	Sorghum.....	7.47 tons.	Corn.....	33.03 bu.	Sorghum.....	8.87 tons.	Corn.....	46.87 bu.
9 and 17.....	Kafr-corn.....	10.07 tons.	Corn.....	37.57 bu.	Kafr-corn.....	8.71 tons.	Corn.....	52.57 bu.
10 and 16.....	Corn.....	23.36 bu.	Corn.....	48.21 bu.	Corn.....	37.80 bu.	Corn.....	62.44 bu.
11.....	Corn*	23.13 bu.	Corn*	47.32 bu.	Corn*	45.98 bu.	Corn*	46.73 bu.
12.....	Corn†	26.66 bu.	Corn†	50.89 bu.	Corn†	39.15 bu.	Corn†	74.60 bu.
13 and 15.....	Soy-beans.....	14.08 bu.	Corn.....	58.72 bu.	Soy-beans.....	16.97 bu.	Corn.....	75.53 bu.
14.....	Potatoes.....	67.50 bu.	Corn.....	66.63 bu.	Potatoes.....	29.33 bu.	Corn.....	71.02 bu.
15.....	Corn.....	50.00 bu.	Wheat*	17.59 bu.	Corn.....	63.55 bu.	Wheat*	16.58 bu.
16 and 48.....	Corn.....	50.00 bu.	Wheat.....	17.20 bu.	Corn.....	44.89 bu.	Wheat.....	14.74 bu.
17 and 47.....	Corn.....	50.00 bu.	Oats.....	28.13 bu.	Corn.....	52.00 bu.	Oats.....	27.00 bu.
18 and 46.....	Corn.....	50.00 bu.	Barley.....	30.67 bu.	Corn.....	53.90 bu.	Barley.....	12.15 bu.
19 and 45.....	Corn.....	50.00 bu.	Emmer.....	30.67 bu.	Corn.....	52.34 bu.	Emmer.....	22.13 bu.
20 and 44.....	Corn.....	50.00 bu.	Flax.....	7.34 bu.	Corn.....	53.63 bu.	Flax.....	9.64 bu.
21 and 43.....	Corn.....	50.00 bu.	Millet.....	2.62 tons.	Corn.....	67.00 bu.	Millet.....	3.94 tons.
22 and 42.....	Corn.....	50.00 bu.	Sorghum.....	8.35 tons.	Corn.....	43.56 bu.	Sorghum.....	8.41 tons.
23 and 41.....	Corn.....	50.00 bu.	Kafr-corn.....	8.72 tons.	Corn.....	41.97 bu.	Kafr-corn.....	56.21 bu.
24 and 40.....	Corn.....	50.00 bu.	Corn.....	58.57 bu.	Corn.....	53.00 bu.	Corn.....	64.17 bu.
25.....	Corn.....	50.00 bu.	Corn*	67.28 bu.	Corn*	57.72 bu.	Corn*	59.89 bu.
26.....	Corn.....	50.00 bu.	Corn†	62.62 bu.	Corn†	56.73 bu.	Corn†	47.33 bu.
27 and 37.....	Corn.....	50.00 bu.	Soy-beans.....	11.70 bu.	Corn.....	68.28 bu.	Soy-beans.....	13.90 bu.
28.....	Corn.....	50.00 bu.	Potatoes.....	38.05 bu.	Corn.....	72.30 bu.	Potatoes.....	40.29 bu.

*Followed by cow-peas as a catch crop.
†Followed by rye as a catch crop.

mary of table XIII and shows the average yields for three years of the various crops preceding corn and the average yield for three years of corn following the various crops.

In order to get comparison between the total products of the various plots an estimated value has been given each crop and the value of crops produced in the average two-year rotation computed. In studying table XIV it will be noticed that the largest average crop of corn, 69.98 bushels per acre, has been grown after potatoes. Successful potato culture in this cli-

utilized upon the farm by feeding to stock. Again, Kafr-corn and sorghum are relatively greater fertility-exhausting crops than corn, and within a few years this rotation may perhaps give greatly diminished returns.

The plots which have grown corn continuously in which rye was sown each fall have ranked third in average yield and fourth in value of the crops produced. A catch crop of rye in corn helps to eradicate weeds, utilizes available plant food left in the soil in the fall which otherwise might be washed out or drained away, provides a pro-

duction when cow-peas are used to plant them after small grains rather than in the corn. Planted after the small-grain crop is harvested, the catch crop can do no harm, and if properly handled may give much benefit by adding humus and nitrogen to the soil, preventing waste of plant-food by oxidation and drainage, improving the physical condition of the soil, and increasing the yield of the succeeding crops of corn.

The rotation with millet has given a relatively large average yield of corn, 57.32 bushels per acre, but the

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value of the two crops is relatively low, due to the fact that the millet hay sells at a low price. However, millet is a better crop than small grain to use in rotation with either corn or wheat, when the fodder may be used to advantage for feeding to stock on the farm. In the wheat rotations, the largest average yield of wheat has been produced after millet.

The yield of corn after the several small grains has been relatively low, although the spring grains appear to be somewhat better adapted for rotating with corn than the winter wheat. A rotation of corn with small grains can not maintain the soil fertility, since all of the crops are really great exhausters of soil fertility.

None of the rotation systems discussed in this bulletin are ideal; the purpose has been, as stated, to learn the yearly and final effect of the several crops on the production of corn, when these crops precede the planting of corn each year, in alternate rotation, on separate fields. A practical and scientific rotation of crops is intended not only to produce large yields of the several crops, but also to maintain the fertility of the soil. Such a rotation would include grasses and the perennial legumes as well as the use of annual legumes and catch crops.

The value of the crops as given in table XIV are not designed to show the relative profits secured in carrying out the different rotation plans. On account of the cheaper cost of production, some of the crops which are relatively low in value may be the more profitable for the farmer to raise.

(To be continued.)

Horticulture

Preservation of Fence Posts and Other Farm Timbers.

Experimental tests made by the government with a number of inferior woods have shown that it is practicable to subject them to preservative treatment by which they will be rendered durable and as lasting as the soundest oak in many cases.

This is of the highest importance in connection with the use of fence posts, telegraph and telephone poles, cross ties and constructive timbers of many

kinds. It is of special importance to farmers in many parts of the country, for with them the fence post problem is serious.

Almost every farmer in the South and East knows that the supply of locust, white oak, cedar, and other durable woods has become so restricted in the last few years, that their cost has become almost prohibitive. In the Middle West the supply of good post material always was limited while in many places in the West it is becoming more and more expensive to build fences because good timber for posts is becoming very scarce. The fence post problem, therefore, appeals to the farmers of the whole country, and they will be benefited by any process by which a poor post may be made to give double or treble service.

The preservative treatment can be employed more successfully with certain kinds of wood than with others, but it fortunately so happens that the open-grained, quick-growing, quick-decaying timbers, are the easiest of all woods to treat. Among these are old field or loblolly pine of the South; lodgepole and western yellow pine; cottonwood, willow, buckeye, beech, sycamore, and others in the West and Middle West.

Woods which decay most rapidly in their natural state, with few exceptions, are best adapted for preservative treatment. This is important because it renders cheap and abundant timbers available and makes use of what would otherwise be wasted.

The process of treating farm timbers is simple, and the cost is low. The apparatus may be set up and operated by a farmer on his own premises, or two or more farmers or timber users may join and lessen the expense for each. The only apparatus required is an open iron tank, large enough to receive fence posts in an upright position. Shingles, stakes, and other small timbers may be treated in the same tank.

The cost of the treatment, after the apparatus is ready, depends upon the size of the timbers and whether the entire posts or only the butts are treated, and the thoroughness of the treatment. Where freight rates permit the shipment of the preservative at a moderate expense, the total cost of a treated post of old field pine, lodgepole pine, cottonwood, or similar timber, ought not exceed that of a high grade post in its natural state, and is often less.

The government considers the investigations in the preservative treatment of timber of such importance that the business of one branch of a bureau in the Department of Agriculture—the "Office of Wood Preservation" in the Forest Service is given over entirely to the work of experiments in cooperation with railroad companies, mining corporations and individuals in prolonging the life of railroad ties, mine props, bridge timbers, fence posts, and transmission poles. Advice and practical assistance is furnished all who request it of the Forester. The lengthening of life of timber means the saving of thousands of dollars annually through doing away with the heavy expense of labor and cost of material for renewals.

The Atchison, Topeka & Santa Fe Railroad has sent the manager of its tie and timber department, E. O. Faulkner, on an exploring journey to Hawaii, Japan, and Australia, to study the eucalyptus in those countries, and perhaps to buy trees for planting. The Santa Fe Railroad has a thousand acres in eucalyptus in California, which are intended to supply telephone poles and railroad ties. These are doing well but it is hoped that Mr. Faulkner can find still better varieties.

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

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We refer to that boon to weak, nervous, suffering women known as Dr. Pierce's Favorite Prescription.

Dr. John Fyfe one of the Editorial Staff of THE ECLECTIC MEDICAL REVIEW says of Unicorn root (*Helonias Dioica*) which is one of the chief ingredients of the "Favorite Prescription":

"A remedy which invariably acts as a uterine invigorator... makes for normal activity of the entire reproductive system." He continues "In Helonias we have a medication which more fully answers the above purposes than any other drug with which I am acquainted. In the treatment of diseases peculiar to women it is seldom that a case is seen which does not present some indication for this remedial agent." Dr. Fyfe further says: "The following are among the leading indications for Helonias (Unicorn root). Pain or aching in the back, with leucorrhoea; atonic (weak) conditions of the reproductive organs of women; mental depression and irritability, associated with chronic diseases of the reproductive organs of women; constant sensation of heat in the region of the kidneys; menorrhagia (flooding), due to a weakened condition of the reproductive system; amenorrhoea (suppressed or absent monthly periods), arising from or accompanying an abnormal condition of the digestive organs and aemic (thin blood) habit; dragging sensations in the extreme lower part of the abdomen."

If more or less of the above symptoms are present, no invalid woman can do better than take Dr. Pierce's Favorite Prescription, one of the leading ingredients of which is Unicorn root, or Helonias, and the medical properties of which it most faithfully represents.

Of Golden Seal root, another prominent ingredient of "Favorite Prescription," Prof. Finley Ellingwood, M. D., of Bennett Medical College, Chicago, says: "It is an important remedy in disorders of the womb. In all catarrhal conditions and general enfeeblement, it is useful."

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Dr. Pierce's Favorite Prescription faithfully represents all the above named ingredients and cures the diseases for which they are recommended.

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I guarantee the Galloway for 25 years.

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I challenge the world to produce the equal of the Galloway Spreader and leave it entirely to my customers to be the judges.

Compare the Galloway, point for point, with any spreader made. Try it side by side in any kind of stuff with them all. Weigh the spreader, then the load on the Galloway, weigh spreader, then weigh load on a dozen other makes. Put on your driving team and can **try it free for 30 days**. You will find it is the simplest, has less parts and is the strongest spreader on the market. It can't wear out. There is nothing to wear.

Fill it up with any kind of manure from the finest dust to the wettest muck, from the toughest strawstack bottom to the heaviest, unrotted, coarse, matted slough hay, tramped calf-yard manure, and the Galloway will handle it better than any other spreader made, regardless of price. It will handle stuff that some makes will not handle at all. Take it out into the field loaded and put it to a hard test. **Start the team up on the trot, slam it in gear; you can't break it.**

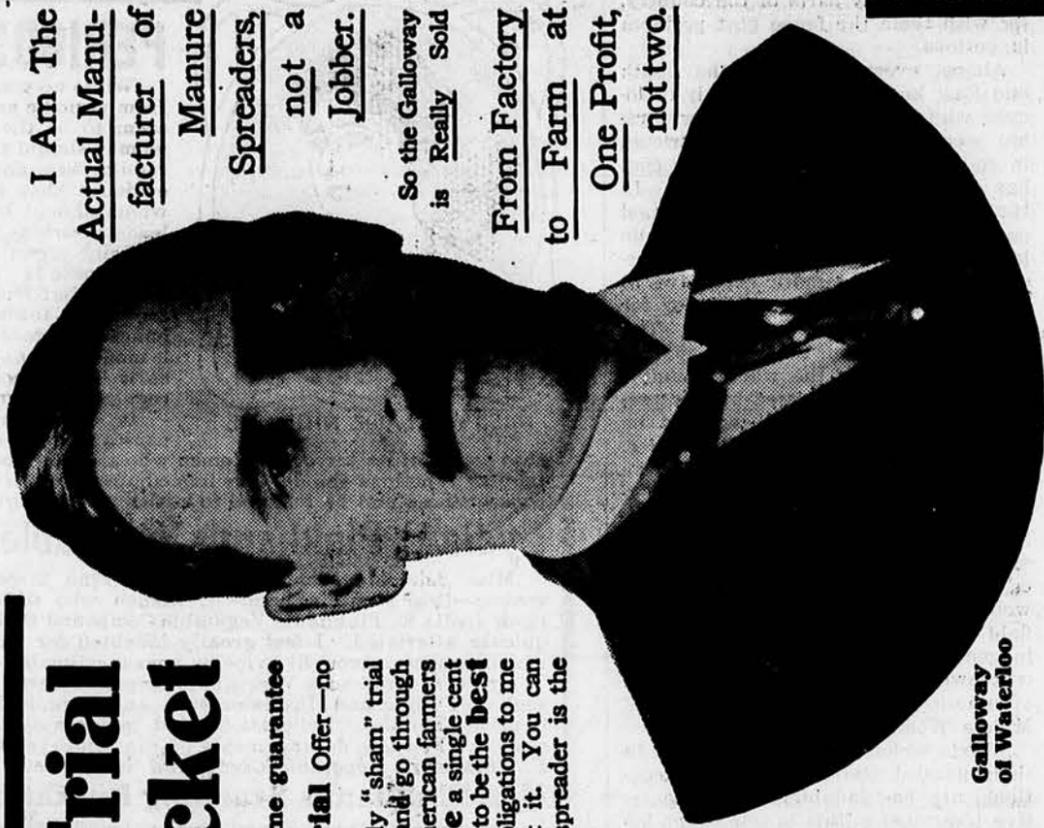
We wouldn't tell you this if we didn't know what we were talking about. We have tested it by tying the beater solid with baling wire, filled it with cement blocks, threw it in gear with the horses on the trot and could not break it.

This may sound foolish but it is the only way to find weak spots. We found them long ago. Try this test on any cog and gear machine and see what will happen.

No other spreader in the world will stand such a wide open trial and such a long time guarantee as strings—no frills—no tricks about my offer or my spreader.

I MAKE you an honest, open, keep-the-money-in-your-own-pocket **30 Day Free Trial Offer**—no other so-called free trial offers are **not** free trial offers at all. They are merely "sham" trial offers. **I don't ask you to deposit the price of my spreader in a bank** and go through a lot of red tape before I am willing to send you a spreader on trial. No, sir! I believe American farmers are honest and I am willing to trust them. You don't have to pay me **or any one else** a single cent on the price of my spreader before you try it, or after you try it if it doesn't **prove** itself to be the best made. I don't ask you to sign any notes, make any deposits, or put yourself under any obligations to me or any one else. All you've got to do is just say you'll **try** my spreader and you'll get it. You can deposit your money **in your own pocket** until you have satisfied yourself that my spreader is the one you ought to buy. The Galloway is the only spreader good enough to stand a test with the price in **your pocket**. I wouldn't deceive you on a free trial offer nor deceive you on the price or quality of my spreader. You wouldn't have much confidence in me or my spreader if I made you think you would get the trial free and then asked you to put up the price to a bank, would you? I'm not built that way—and my spreader isn't built that way. My spreader is built to stand an **honest, really free trial**—the hardest you can give it—no deception in my offer or my spreader. If the price of a spreader is in **your pocket instead** of in a bank during the trial you won't have any trouble in getting your money back if the spreader proves N. G. I am not beginning in the spreader business. I have built spreaders for years. Beginners don't know what parts break and wear out in spreaders. But I do. That's why I can and **do make the Galloway so it can't break and wear out** where experimental spreaders are sure to break and wear out. That's why I can easily afford to say—"Test the Galloway Spreader with the money in **your own pocket**."

I challenge any other manure spreader or maker in the country to put the spreader he **sells** or makes alongside of the Galloway in the hardest kind of a test. I don't care what other spreader or spreaders **you** try alongside the Galloway. It won't cost you a cent and you won't **risk** a cent in trying mine, so it's certainly to your advantage to try the Galloway at no **cost**—even if you **do** put up your good money to try any **other** manure spreader. If the Galloway Spreader doesn't beat any other that you try, all you have to do is to send it back and you're not out a penny and you haven't **risked** a penny. Read more about this on the next page and send me the coupon or a postal. Be fair to yourself and your pocketbook. All I ask is that you **try** the Galloway, **actually at my expense and risk**.



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The Man Who Wins.

The man who wins is the man who works—
The man who toils while the next man shirks;
The man who stands in his deep distress
With his head held high in the deadly press—
Yes, he is the man who wins.

The man who wins is the man who knows
The value of pain and the worth of woes
Who a lesson learns from the man who falls
And a moral finds in his mournful walls.
Yes, he is the man who wins.

The man who wins is the man who stays
In the unsought paths, and the rocky ways,
And, perhaps, who lingers, now and then,
To help some failure to rise again.
Yes, he is the man who wins.

And the man who wins is the man who hears
The curse of the envious in his ears,
But who goes his way with his head held high
And passes the wrecks of the failures by—
For he is the man who wins.

—Baltimore News.

The School and the Home.

The school and the home are inseparable. One is dependent upon the other and they should be united. It matters not how much parents may ignore the fact, they are responsible for the kind of school they have in their neighborhood. They, it is, who put into control the men that employ the teachers and look after the interests of the school. They also furnish the money for the expenses and more than this, they have a potential influence—the personal interest which each parent should feel and exhibit toward the school and its environment. When they have voted the school bonds, elected the school board, and sent the children to school, parents are apt to think their duties in that respect are ended and give no further thought to it. It is not because they do not care what kind of a place their children spend the larger part of their waking hours in or what kind of a teacher they have as guide and pattern, but that is what their actions say. The farmer does not say to his hired man, "build me a barn for my horses and take care of them." He does not trust his horses entirely to the care of any one, but looks after the building of the barn to see that it is properly constructed and visits it frequently afterwards to see that everything is being done in the best possible manner. It would sound foolish to ask, does he love his horses more than his children, but he certainly acts like it in this respect.

When parents wake up to their full duty in regard to the school and realize their whole responsibility in this direction, great improvement and progress will be made in the country schools.

Parents should make it a rule to visit the school once during the term at least, so as to come in touch with the teacher and in sympathy with her plans and to show to the children that they are interested in their progress; once a month is not too often. The seeming indifference of the parents towards the schools is because they do not take time to visit them. Great improvements and progress have been made from the visits of the parents to the school. The appearance of the interior of the school building should be made homelike, clean, comfortable, and healthful. This can come through the mothers, by agitation and personal effort. They should cooperate with the teacher who will be a willing and efficient helper. The building should be kept well painted and be made comfortable, warm, and arranged so that it may be ventilated properly, the grounds should be made attractive and be well drained and arranged for play, and sports with trapeze, horizontal bars, and swings, also a croquet ground and if possible a tennis court. These healthful sports serve as an outlet to the youthful ex-

uberance and spirit, and exert a moral influence over the young, especially the boys. With these the boys will have fewer fights and misunderstandings. We boast of our schools and our splendid school system and we have a right to do so. They are far in advance of those in our fathers' time and are still rapidly advancing, but never will they reach their highest development till parents come in to closer touch with them and realize the part they must share in them.

A Suggestion to Mothers and Teachers.

The following is from one of the bulletins issued by Cornell University, and shows what can be done by the cooperation of the mothers and the teachers of a country school.

One Saturday early in a term the women in one district were all invited to the school building. Some of these neighbors, though not living far apart, had not met for weeks, and it was a treat to them to be invited by the teacher. She made tea upon the schoolhouse stove. Nothing was said about improvements or the necessity of them until, as the wind blew, they had to move away from the loose-fitting sashes and broken windows lights. The sun shone through the uncurtained windows into the faces of the guests. The seats soon became very uncomfortable. These mothers discussed the possibilities for making homelike surroundings. They suggested a plan, which was approved by their sisters, and the next Saturday found these same mothers at the school building again. It was not tea simmering on the stove this time, but hot water in large quantities. Soap was there and scrubbing utensils. The application to the floor, to the ceiling, to the wall, to the windows, of soap, water and muscular effort wrought a complete change. They even scrubbed the tops of scarified desks which had seldom seen soap and water. Sleeves of all conditions had passed over the surface of the desks term after term, and soap and water removed the abiding place of dangerous germs. Then came the paste-pot. The old paper had been torn from the walls. They had prevailed upon the trustees to buy some inexpensive but attractive paper, and these women papered the schoolroom. Then they blackened the stove. It shone as it never had since it was new. A schoolhouse stove really needs blacking occasionally. For curtains they had secured a roll of heavy brown manilla paper and cut it to fit the windows. Sticks were pasted on it at the top and bottom, and the new curtain hung with a cord attached to fasten them at the required height. Cloth shades and roller attachments can be secured at the store for twenty-five cents each. These present a better appearance than the ones described, but cost more.

They curtained off a corner of the room where a bench was placed, holding a basin and soap. The women agreed among themselves to keep the school supplied with towels. The water-pail was provided with a cover to keep out the dust, because the danger of disease from school dust is great. The cup had been used by all the pupils, and now it is agreed that each child shall have in his desk his own individual cup. A basin was provided into which to empty the water remaining in the cup after each child drank.

Some inexpensive but artistic pictures, copies of masterpieces, and mounted by the teacher, were placed upon the walls; and who can estimate the artistic and educational value in a child's life of good pictures? The pupils brought flowers, the lilacs, myrtle, apple-blossom and pansies, all packed tightly together and tied with a string. Instead of packing them still tighter into disused ink bottles, our teacher separated them, letting the lilacs fall into graceful lines as they

grew on the trees. In a flat dish she arranged the dandelions, and in taller, plain, inexpensive vases arranged the slender stems of taller flowers. The schoolroom was made into a veritable flower garden some days, and the girls were unconsciously learning lessons which would make them more artistic housekeepers.

How proud those children were when the teacher went home with them! They told the other children about it the next day, and were proud little entertainers. They learned from her a great deal more about living than they ever could in the formal work of the schoolroom. She entered into the spirit of the home and every woman felt comfortable and happy with her there because she was a partner in the care of the best they had—their children—and because she was interested in their household duties. She found the farmers' wives as bright and intelligent a class of women as she had ever met, but they were busy from morning till night. She believed they would accomplish just as much and be in better condition to do for others if they had more recreation. The teacher and mothers tried to keep up their Saturday afternoon meetings. One read aloud while others mended or sewed. They discussed with the teacher various subjects which would benefit the children. They talked over household problems, and some of them added to the pleasure of the others by "brushing up" their music which, in their busy lives, they were fast forgetting.

The Young Folks

Laugh A Little Bit.

Here's a motto just your fit—
Laugh a little bit.
When you think you're trouble hit,
Laugh a little bit.
Look misfortune in the face.
Brave the beldam's rude grimace.
Ten to one 'twill yield its place.
If you have the wit and grit
Just to laugh a little bit.
Cherish this as sacred writ—
Laugh a little bit.
Keep it with you, sample it.
Laugh a little bit.
Little ills will sure betide you.
Fortune may not sit beside you.
Men may mock and fame deride you.
But you'll mind them not a whit.
If you laugh a little bit.
—American Hay, Flour and Feed Journal.

On Table Rock Hill.

MAY BELLEVILLE BROWN.

A merry crowd of girls were discussing tomorrow's picnic. Picnics were well known as a pastime to all of them, but to seven of the eight the one in question was unique, as it was to be their first Kansas picnic.

There was Elsie Stone who, though not the oldest of the group, by virtue of her six months' residence in the State, counted herself its leader and guide; Mary, Ethel, Edith, and Ruth, the four daughters of the Jones family; and Nettie, Hester, and Frances, of the Osborn family—all cousins. Mr. Stone and family had come to western Kansas in the spring, settling on an improved farm far up the broad valley of the Big Salt River. Early autumn found his brothers-in-law, Mr. Jones and Mr. Osborn, occupying adjoining farms.

Accustomed to the thickly settled, wooded lands of northern Ohio, the new home, with its broad, treeless sweeps, its heavy grass waving in the prairie winds, its miles of rolling hills, intersected by narrow, winding valleys, but sparsely settled as yet, was a wonder to the young people.

As there were eight girls in the crowd, they had not yet cared to form any acquaintances among the young people of the neighborhood, and when they decided to spend a day at Table Rock Hill, they had no thought of including anyone from outside their usual crowd, until Mrs. Stone said:—

"Elsie, you may ask Ann Leach to go with you. She has not had an outing this summer."

"O mother!" exclaimed Elsie, in emphatic remonstrance, "we don't want her along. She's so sober, and stares so hard, with those big eyes of hers, that she is no fun at all. Besides," with an expression of relief at the

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But, your time alone may be worth far more than that.

And \$200 per week might not pay for your suffering.

That's why "Cascaret" Insurance, which prevents Sickness, is worth ten times as much money as other "Health" insurance.

Yet "Cascaret" Insurance will cost you less than Ten Cents a week.

That gives you a "Vest Pocket" Box to carry constantly.

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

Because 90 per cent of these ills begin in the Bowels, or exist through poor Nutrition.

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

No, — they act like Exercise on the Bowels, instead.

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

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The time to take a Cascarat is the very minute you suspect you need one.

—When you have a touch of Heart-burn, Gas-belching, Acid-rising-in-throat, or a Coming-on-Cold.

Carry the "Vest Pocket" Box ready for business where it belongs, just as you would your Watch, Pocket-knife or Lead-pencil.

It costs only 10 cents. At any druggist.

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

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thought, "she couldn't get away from those dreadful twin boys."

"I will care for the boys," returned Mrs. Stone, "so that she can go. I shall feel safer if some one used to the country goes with you, since none of us older ones can be spared to go."

"Some one used to the country!" repeated Elsie, a trifle indignantly. "Haven't I lived here six months, and killed a rattlesnake, and shot a squirrel, and don't I go to the post office every stage day?"

"Never mind, Elsie," said her mother, with gentle firmness; "I think it best for Ann to go. Here she comes, now, and I shall ask her for you."

The girls knew Ann slightly, and had seen the little stone house where she lived and drudged, with her overworked mother, and the brood of younger children. They felt toward her much as Elsie did.

Today, as she came awkwardly in, on some household errand, the other girls greeted her rather coolly, and did not second Mrs. Stone, when she asked her to join the picnic party. For a moment her eyes sparkled, and then she dully shook her head.

"Thank you, Mrs. Stone," she said, sadly, "mother wouldn't want to spare me, and we're saving eggs for groceries, so I can't get up a picnic dinner, and, anyway, father can't spare a horse for me to ride."

"I think we can manage it all, Ann," said Mrs. Stone kindly, "from the dinner to the pony—for you can ride mine. I will see your mother tonight."

The look of gratitude in Ann's brown eyes made Elsie feel heartily ashamed of herself, and she hastened to make amends for her ungraciousness.

The nine girls rode out toward the hills the next morning, each with a portion of the day's luggage tied to her saddle, a merry party. Not one but owned to herself that the day would be pleasanter if Ann were not along, yet each determined to make the most of the occasion.

When they reached Table Rock Hill, the girls found that Ann knew just how the nine ponies should be tethered, and just which of the fantastic groups of rock, scattered about, would best serve for table and seats, and how to take advantage of the shade from the table of rock above them.

The day was pleasant, though the wind blowing on the hills grew stronger hourly. In the afternoon, as the girls, separately, and in pairs, strolled over the hill, searching for the queer-shaped pebbles with which the ground was scattered, Ann called to them:—"Come, quick! The prairie's on fire."

The girls reached her side just in time to see a rolling, wind-driven line of flame come through a heavy grass over a hilltop less than half a mile away. It was so newly escaped that it had not gained much headway, but Ann's experienced eye saw the danger.

"Some one has been burning guards, and the fire has broken away," exclaimed Ann hastily. "We must work quickly. Edith, you take the three smaller children close to the rock, where our baskets are, and see that they don't move. Hester, you and Ethel and Nettie pull up the picket pins and turn the ponies loose, and Mary and Elsie help me set a back fire. Slip off your woolen skirts, and dip them in that pall of water, and when I set fire to the grass, whip out the side next us, and let the blaze work toward the fire. It's luck we brought matches. Hurry for the fire is getting under way."

The ponies were snorting with terror, and straining at their picket ropes with such force that the girls could hardly pull the iron pins from the ground, and as soon as they were loosened they clattered off toward their home in the valley, dragging ropes and pins after them.

Running to where Ann and her helpers were at work, they realized for the first time something of what a prairie fire meant, as the flames roared and writhed, throwing themselves far aloft, and swirling directly upon them. Ann had pulled a bunch of prairie grass, lighted it, and was running in a wide circle about the group at the foot

of the rock, dragging the burning torch along the grass. The flames sprang up like magic, but were kept from spreading by the girls with the soaked woolen skirts, with which they beat out the fire on the inner side of the circle, letting it creep down the hill against the wind toward the advancing flame. The awestruck little crowd watched the head fire, as with many a hiss and crackle, sending volumes of smoke and arms of flame in advance, it rushed down the adjoining hill, across the little ravine, and threw itself at Table Rock Hill. Just there, the sullen, smoking blaze that they had started seemed to gather strength and, with a rush, both flames flung themselves in to the air and at each other, and the next instant nothing remained of them but a roll of black smoke, that rapidly disappeared, and a sweep of charred prairie, while the fire from the opposite side of the circle burned about to meet the cinders of the recent battle-ground, and a half a mile away swept itself into nothingness on the edge of an adjacent field.

When it was all over, the girls looked into each other's smoked faces in silence, and then Elsie threw her arms about Ann's neck and kissed her. "And if you had not come with us, there wouldn't be any patch of grass left here on Table Rock Hill—only some dead girls and ponies, for none of us ever before saw a prairie fire."

Ann, unused to praise or appreciation, laughed a little, cried a little, and was altogether very happy.

When the saddleless ponies came galloping home, there was terror in the houses of Jones, Osborn, and Stone, and three frightened fathers saddled in haste and hurried to Table Rock Hill, where, in a circle of brown grass, surrounded by blackened prairie that was still hot from the flames, they found their lost ones, hungrily devouring the remains of their dinner.

The girls were delighted to see their fathers, and after they had told them of the experience they had had, giving to Ann full credit for all she had done, they were ready to gather up their things and move toward home.—Pilgrim Visitor.

The Little Ones

The Chestnut Burr.

Three little babies in white silk robes
Lying in a cradle green.
The cradle, with lining of satin white,
Was the coziest ever seen.

Far from the world the little ones slept.
In a castle strong and tall;
And never could passing stranger's eye
On the precious babies fall.

The months flew by, and the babies
Grew stronger by day and night;
And to shiny satin of nut-brown hue
Were changed their robes of white.

The fall winds blew, the castle rocked,
The cradle broke in two,
And down to the ground from a tree-top tall
Three little brown chestnuts flew.

—May Belle Willis.

Houses of Sand.

This is a sea-side story. But first I must tell you about the sea so that you, little children of the prairies, may understand the story. The sea is, oh very, very large, so that you can not begin to look across it, all deep and blue, and full of waves, like your fathers field of wheat when the wind is blowing it. But this is water, and it is never, never quiet for a minute. On the edge of the sea, where the water and the land come together, the land is all clean, nice sand, and the water is all foamy white. Sometimes the water comes far up on the sand, and then, a little bit at a time, it goes down, till after while it may be away out, as far from the first place as your house is from the barn, and then it will start back again, and sometimes it comes back very suddenly.

Well, you are tired of hearing about this aren't you? So I will go on with my story. There were two little children who liked to go down by the sea, every day, and play in the sand. The little girl's name was Mattie Louise, and the little boy's name was Arthur. They built houses in the sand,



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1523 O Street, Lincoln, Nebraska

and made little caves and fences, and sometimes the big waves would come creeping up, just as I told you it does, and wash away all their fine buildings.

One day Mattie Louise said, "Let's play Indian. You build some wigwams and tents, and I'll build some other wigwams and tents, and we'll play Indians live in them."

"Oh, no," said Arthur. "You build a house and play a white mama and papa lived there, and I'll be the Indians coming to steal their children."

And so they agreed to play that way. Mattie Louise built a nice little house, and had sticks for the white people, and Arthur made round piles of the sand, for Indian wigwams, and he had sticks—a great many sticks—standing around; and they were the Indians. Mattie Louise made a big bank of sand, for a fortification against the Indians, and stationed her stick behind it, as if they were hiding. But Arthur marched his Indians right up over the fortification and surrounded Mattie Louise's poor white people completely.

"Oh, dear! Oh, dear!" said Mattie Louise. "I just know my people will all be killed," but almost before she had it well said, a big wave rolled up and washed all over the Indians and the white people too, and even the real little people, Mattie Louise and Arthur, were wet, so that they had to run home for dry clothes.

Mama laughed when they told her about it.

"Well, I am glad the Indians did not kill the white people," she said.

"No," said the children, "they all got drowned together." R. C.

How would you like to be paid for calling upon your neighbors? THE KANSAS FARMER wants a regular representative and is ready to pay good wages for good work. Write us.

Dairy Interests

Who must Pay the Extra Cent.

During the cream rate hearing at Lincoln, Neb., in August the question came up as to who would pay the cost of the increased rates on cream. The following analysis of the question gets close to the situation:

Freight is just as much an item of cost as labor or material or butter-fat. No one will deny that an increase in the price of butter-fat, or an increase in the cost of labor, or tubs increases the cost of the manufactured article.

Every increase in the cost of a manufactured product has to be borne by one of three parties, (1) the producer; (2) the manufacturer; or (3) the consumer.

It is evident that increasing the rate in one part of the United States makes it impossible for the price of the manufactured article to be raised so that the consumer pays it.

It is evident that if the manufacturer pays this increased cost of transportation in one part of the United States, he is handicapped in putting his goods in competition with manufacturers from other parts of the United States who do not pay it.

It therefore follows that if the consumers can not be made to pay it, and the manufacturers can not pay it because to do so would put them at a disadvantage with their competitors, it will fall, like any other item of cost, on the producer.

Raising the cost of transportation 77 per cent, or about one cent per pound, simply decreases the net receipts one cent, and that one cent will eventually have to come out of the producer.

And who gets this one cent, if the producer loses it? Not the consumer; not the manufacturer, but the railroad companies.

What constitutional or statutory right has any railway commission to take one cent per pound of butter-fat, away from the producer and place it in the pockets of the transportation companies?

The Cream Rate Question in Nebraska Settled.

PROF. A. L. HAECKER IN TWENTIETH CENTURY FARMER.

One of the most important subjects coming before the dairy industry, in years is the cream rate. It was taken up by some ten different States, but

Nebraska seemed to be the storm center and here the battle was fought. The result is a slight change, which in the main increases to a small extent the long haul and lowers the short haul, which will make little difference to cream producers throughout the State.

An order, effective November 1, changing the rates on cream and milk has been issued by the Nebraska State Railway commission. The new rates are practically the same now charged by the Burlington road, but terminal rates for Omaha, Lincoln, and central points are abolished and distance rates established. This increases the rates to Lincoln and Omaha, but it is understood that the increase is not sufficient to prevent the central creameries from continuing to ship from long distances. For the short-haul a cheaper rate is given and this may stimulate cooperative creameries to ship from points heretofore not reached on account of high freight charges. In one instance the long haul is cheaper for Lincoln than under the old rates, this being in the case of Scott's Bluff, the rate being reduced from 66 to 53 cents per can. In most instances the rate to Lincoln is increased from 1 to 2 cents per can of ten gallons, or 100 pounds. The special rates now in force to many towns are abolished by the new tariff. Among the towns that had the benefit of special rates were Lincoln, Omaha, Crete, Beatrice, Ord, York, and Ravenna.

At the hearing before the commission the centralized creameries desired to have the commission adopt the rates in force on the Rock Island road, these being the lowest in the State. The Burlington rates are cheaper than less money than the Pacific Express company on the Union Pacific road. The Burlington carries cream as freight and gives a better service for less money than the Pacific Express company, furnishing refrigeration which the express company does not.

The order of the railway commission applies to shipments on passenger trains and the return of the cans free of charge. The hearing commenced August 6 before the commission on an application by the Rock Island, Northwestern, Burlington, St. Joe & Grand Island, Missouri Pacific, Pacific Express company for permission to put into effect a proposed schedule of rates. The hearing closed August 16. On August 30 an order was made denying the application of the railroads and the case was retained for further consideration of the matter of fixing a reasonable schedule of rates. The order is as follows:

"Now on consideration of the evidence and of the rates in effect in Nebraska for the transportation of cream and milk, we find that in order that justice may be done in the premises, the said rates of charge for such service now in effect in Nebraska should be modified and changed so that all shipments of cream and milk from and to all points in this State may be given the same and equal rates of charge for like distances; and it is therefore ordered that all common carriers of milk and cream be and they are hereby ordered and required to put into force and effect on their lines to and from all points within Nebraska on and after November 1, 1907, the following schedule of rates of charges in cents per can, to-wit:

Miles.	5 gal.	8 gal.	10 gal.
1 to 20	10	13	15
21 to 25	11	14	16
26 to 30	12	15	17
31 to 35	13	16	18
36 to 40	14	17	19
41 to 45	15	18	20
46 to 50	16	19	21
51 to 60	17	20	22
61 to 70	18	21	23
71 to 80	19	22	24
81 to 90	20	23	25
91 to 100	21	24	26
101 to 110	22	25	27
111 to 120	23	26	28
121 to 130	24	27	29
131 to 140	25	28	30
141 to 150	26	29	31
151 to 170	27	30	32
171 to 190	28	31	33
191 to 200	29	32	34
201 to 210	30	33	35
211 to 220	31	34	36
221 to 230	32	35	37
231 to 240	33	36	38
241 to 250	34	37	39
251 to 260	35	38	40
261 to 270	36	39	41
271 to 280	37	40	42
281 to 290	38	41	43
291 to 300	39	42	44
301 to 320	40	43	46
321 to 340	42	45	48
341 to 360	43	46	50

Lost Strayed or Stolen—One Cow

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



did. You can't afford to lose the price of one or more cows each year—there's no reason why you should. Get a Tubular and get more and better cream out of the milk; save time and labor and have warm sweet skimmed milk for the calves. Don't buy some cheap rattle-trap thing called a separator; that won't do any good. You need a real skimmer that does perfect work, skims clean, thick or thin, hot or cold; runs easy; simple in construction; easily understood. That's the Tubular and there is but one Tubular, the Sharples Tubular. Don't you want our little book "Business Dairyman" and our Catalog A.166 both free? A postal will bring them.

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My U. S. is not out of order every week or two like my neighbors' who use other makes, A. R. E. D. L. Van Worm, Middleburgh, N. Y.

Dairymen choose the U. S. because they KNOW it can be depended upon to do the Best work ALL the time, and the Longest time, too. May we explain to you why? Please send for complete illustrated book No. 91

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YOU get all the Profits instead of dividing with the middlemen. Our booklet explains the system fully. Write for it. "KEY TO SUCCESS, or Full Information of the Individual Direct Shipper's System."

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

361 to 380	44	48	52
381 to 400	46	50	54
401 to 420	48	52	56
421 to 440	50	54	58
441 to 460	52	56	60
461 to 480	54	58	62
481 to 500	56	60	64
501 to 550	58	62	66
551 to 600	60	64	68

The minimum charge will be the rate per ten-gallon can for the distance shown. Short line rates may be made by the common carrier from competitive points provided a high rate shall not be charged from intermediate station.

Rules for Dairymen.

For the production of clean, wholesome milk the following sensible rules have been presented by the Vermont Dairymen's Association, to its members and they are applicable in every dairy.

The stable should be well ventilated, lighted, and drained; should have tight floors and walls and should be plainly constructed.

No musty or dirty litter, no strong smelling material and no manure should remain in the stable longer than is absolutely necessary.

Whitewash the stable once or twice a year. Would recommend the use of land plaster in manure gutter daily.

Feed no dry, dusty fodder previous to milking. If dusty, sprinkle before it is fed.

Brush the udder just before milking and wipe with a clean cloth or sponge.

Keep healthy cows. Promptly remove suspected animals. In particular, add no cows to the herd unless it is certain that they are free from tuberculosis.

Do not excite cows or expose them to stress of weather.

Feed a good cow liberally with fresh, palatable feeding stuffs. Do not change these suddenly. Provide water, pure but not too cold, in abundance.

The milker should be clean and his clothes likewise.

Milk quietly, quickly, and thoroughly.

Throw away into the gutter the first few streams from each teat. This milk is very watery, of very little value and is quite apt to injure the remainder of the milk.

Remove the milk promptly from the stable to a clean, dry room where the air is pure and sweet.

Drain the milk through a clean flannel cloth, or through two or three thicknesses of cheese cloth.

Aerate and cool the milk as soon as it is strained. The cooler it is the more souring is retarded. If covers are left off the cans cover with cloth or mosquito netting.

Never mix fresh milk with that which has been cooled, nor close a can containing warm milk, nor allow it to freeze.

Under no circumstances should anything be added to milk to prevent it

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takes miles off the road,
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Helps the team and
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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.

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Light Brahma Chickens
Choice pure-bred cockerels for sale. Write or call on
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BLACK LANGSHANS.
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 Rocks, Buff Orpingtons and Light Brahmans.

Also Bronze turkeys, small Pekin Ducks, Rouen ducks, Toulouse geese, and peacocks. Each variety kept on separate tract of farm. Write for free 20-page catalogue giving prices on stock and eggs. —Address—
J. A. LOVETTE, Prop., Mullinville, Kans.

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

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

ROSE COMB WHITE LEGHORNS—Cockerels for sale, 50c each. H. A. Cowles, Sibley, Kans.

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

STANDARD-BRED SINGLE COMB BUFF LEGHORNS—Headed by first prize pen, Chicago show 1903 and took six first prizes and first pen at Newton, 1904. Eggs, \$3 for 15. S. Perkins, 801 East First Street, Newton, Kans.

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

White Plymouth Rocks
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Good for Eggs. Good to Eat. Good to Look at.
W. P. Rocks hold the record for egg-laying over every other variety of fowls; eight pullets averaging 20 eggs each in one year. I have bred them exclusively for twelve years and have them scoring 94 to 96, and as good as can be found anywhere. Eggs only \$2 per 15; \$5 per 45, and I prepay expressage to any express office in the United States. Yards at residence, adjoining Washburn College. Address
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FOR SALE—Single and Rose Comb Rhode Island Red cockerels. Fine shape and color; pure breeding. Mrs. Chas. Matson, Route 2, Cheney, Kans.

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AGENTS—To sell and advertise our Poultry Compound; 5¢ weekly; rig furnished. Franklin Manufacturing Company, Norwalk, Ohio.

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

HENRY W. ROBY, M. D. SURGEON.
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souring. Such doings violate the laws of both God and man. The chemicals which are used for this purpose are slow poison. Cleanliness and cold are the only preservatives that are needed. Insist that the skimmilk or whey tank at the factory be kept clean in order that the milk cans may not be come contaminated.

After rinsing in cold water wash all dairy utensils daily in hot water and a little washing soda, scald and drain. Boil strainer cloth daily. After cleaning keep utensils inverted in pure air and sun if possible, until wanted for use.

Wisconsin dairymen are elated over the decision of Judge Kohlsaat in the United States Circuit Court of Chicago, who issued a temporary injunction against fourteen western railroads and five express companies, restraining them from establishing on September 1 a new rate on shipments of cream, milk, and butter. The complainants were fourteen creamery companies from the middle west, who charged the railway and express companies had combined to fix an excessive rate that would drive the creameries out of business. A protest against the proposed action of the railway and express companies has been filed with the interstate commerce commission, but according to the creamery companies it could not be considered by the commission within a year. Judge Kohlsaat set an early date for the hearing on the application for a permanent injunction.—Wisconsin Agriculturist.

The Poultry Yard
CONDUCTED BY THOMAS OWEN.

Poultry Notes.
At this time of the year, colds are prevalent in the poultry flock, and if not attended to may lead into roup, which is a very difficult disease to control. The trouble often arises on account of the chickens being overcrowded in a small house. They get very warm at night and when they are let out in the early frosty morning, they get chilled and consequently catch cold. The remedy is not to overcrowd and to have the house well ventilated. It would be a good idea not to let them out of the house till the atmosphere warms up. It is needless to add that all cracks and crevices in the poultry house should be closed so as to prevent a draft from striking the chickens, which often results in a had case of roup.

During the summer, the poultry house has probably been infested with lice and mites. Now that cool weather has come, it is a good time to give the house a thorough spraying with lice-killer so as to get rid of all these parasites and not have them pester the fowls all through the winter. If the lice are allowed in the poultry house they will sap all vigor and vitality that the hens have, and there will be very few eggs as a consequence. Clean up the poultry house and keep it clean.

Something in the shape of green food for the winter should now be provided. Beets, turnips, cabbage, small potatoes, all are good and should be fed liberally every day, if plenty of eggs are desired, but alfalfa, steamed or scalded with hot water will help considerably in the way of green food.

If you would have your hens and pullets lay lots of eggs this winter, get them started on the business before the cold weather strikes them, otherwise they are apt to defer their laying period till spring. Hens take on fat in the fall when the flock is being pushed along for selling or show purposes which retards the early production of eggs. The proper thing to do is to take off a large proportion of their feed, enough to make them hustle to get enough to eat, and gradually work off the extra fat; and after

DE LAVAL BUTTER
MAKES CLEAN SWEEP
AT 1907 STATE FAIRS

As usual, butter made from DE LAVAL Separator cream has made a clean sweep of all First Prizes and Highest Honors at the 1907 State Fairs. Reports to date give the following winners and scores:

ALL DE LAVAL Users.	Score.
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MINNESOTA.	O. R. McCormick, Bancroft.....98
IOWA.	M. Sondgaard, Hutchinson.....97
KANSAS.	L. C. Peterson, Story City.....97 1/2
INDIANA.	Mrs. W. H. Coberly, Hutchinson...97 1/2
SIoux CITY.	T. C. Halpin, Trafalgar.....96
SOUTH DAKOTA.	L. P. Holgerson, Troy Center, Wis. 97 1/2
COLORADO.	A. H. Wilcox, Bloomer, Wis.....95
	Mr. Parfeit, Golden...score not reported.

At the 1907 Tennessee State Fair a big butter-making contest limited to Tennessee women was held in the presence of 5,000 people. Miss Kate Gleaves who won the First Prize of \$50.00 made her butter from De Laval cream. And so it goes, from year to year; De Laval users invariably win all Highest Honors in every butter scoring contest that is held. All Highest Awards in every contest of the National Butter-makers Association from 1892 up to the present time have been won by users of De Laval machines. The butter receiving the highest score at the World's Exposition in Paris in 1901 was De Laval made; as was also the Grand Prize butter of the St. Louis World's Fair in 1904.

Write today for a De Laval catalog which will help to make plain why De Laval cream enables superior butter-making.

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JOHN D. SNYDER
Live Stock Auctioneer, Winfield, Kansas.

I have made a life study of the different Pure Breeds of Horses, Cattle and Hogs. Have a wide acquaintance with breeders. Am thoroughly posted 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.

WANTED: Twenty Young Women

Young women wanting to learn nursing, we give a two-years' course; all necessary expenses paid. A complete surgical, medical and obstetrical training. Graduates find no difficulty in securing \$20 per week. Enter now, the lecture course of 1907-8 is just beginning.

STEWART HOSPITAL ASSOCIATION, Hutchinson, Kas.

this is done they will lay. After laying has fairly begun they should be well and suitably fed to keep up the supply.

Ailing Chickens.
Can you give a remedy for my ailing chickens? At first they get stiff and lame and can hardly walk, and are troubled some with diarrhea. In the last stages of the disease their eyes swell shut and their necks get limber, and their heads seem feverish. They are usually sick two or three days. I thought it might be limberneck, but do not know the symptoms of the disease well enough to tell.

Beloit, Kans. A SUBSCRIBER.
Ans.—Your fowls probably have limberneck. This is a muscular disease caused by eating putrid meat or other decaying matter. It is said that if the craw of a limbernecked chicken should be cut open, it would be found to contain a number of live maggots, with very strong and flexible points, suitable for boring. They bore into the muscles and vitals of the chicken, causing it to lose all control of its muscles, and so the head falls to one side, which gives it the name of limberneck, and after struggling awhile it dies. There is no remedy after the chicken gets into a helpless state, but as a preventive one should look around and see that there are no dead animals or dead chickens on which they may be feeding, for it is from such a source that they get the disease. A few drops of carbolic acid in the drinking water of the flock, might prevent them from getting into the last stages of the disease. Give no

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other water or they will not drink the carbolic acid solution.

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Job Printing.
The Job Department of THE KANSAS FARMER has recently added new equipment and is prepared to do a general job printing business such as commercial printing folders, pamphlets, briefs, blanks, circulars, visiting cards, wedding invitations, etc.
We make a specialty of fine stock printing—catalogues, stationery, cards, sale bills, etc. and have on hand an assortment of cuts representative of the breeds. Here is a good assortment which every stockman should have on hand, 250 bill heads, 500 business cards, 1,000 envelopes, 1,000 letter heads, 1 stationery case. THE KANSAS FARMER one year; shipments free to your express office; all complete for \$10. Good quality of paper and work guaranteed.
Every farmer should have his name, postoffice, and rural route printed on his envelopes, with printed paper to match. How is this for a combination: 250 envelopes, 250 note heads, 50 visiting cards for the wife or daughter. THE KANSAS FARMER one year. All postpaid to your address for \$3.00.
Address THE KANSAS FARMER JOB PRINTING OFFICE, B. A. Wagner, Mgr., Topeka, Kans., Telephone. Ind. 1797.

A Letter of Interest to all Taxpayers.

Middletown, Ohio, Sept. 5, 1907. The Corrugated Metal Mfg. Co., Emporia, Kansas. Gentlemen:—Last month the writer had the pleasure of meeting Mr. Walter Page, Director of the U. S. Office of Public Roads, at the annual convention of the American Society for Testing Material, and talked over the culvert situation very thoroughly with him.

Special Want Column

"Wanted," "For Sale" "For Exchange," and small want or special advertisement for short time will be inserted in this column without display for 10 cents per line of seven words or less per week. Initials or a number counted as one word. No order accepted for less than \$1.00.

CATTLE

FOR SALE—One 2-year-old Shorthorn bull. One February bull calf. Nice reds. Calthor & Steis, Smith Center, Kans.

FOR SALE—25 head of fine Polled Durham cows and heifers. C. M. Albright, Route 2, Overbrook, Kans.

FOR Red Polled bulls or heifers, write to Otto Young, Utica, Ness County, Kansas.

SPECIAL SALE—5 straight Crotchshank Shorthorn bulls for sale at bargain prices for quality. H. W. McAfee, Topeka, Kans.

ABERDEEN-ANGUS CATTLE and Percheron horses. Stock for sale. Garret Hurst, breeder, Peck, Sedgwick County, Kans.

SWINE

FOR SALE—Pure-bred Duroc-Jersey boars (and sows. Mrs. Ralph Robinson, Medora, Kans.

FOR SALE—Large boned, extra size thoroughbred Poland-China boar, 2 years old, best of breeding.—J. W. Cunningham, Route 2, Meriden, Kans.

FOR SALE—Thoroughbred Duroc Jersey boars, large enough for service; also my herd boar. Prices right. Address I. W. Poulton, Medora, Reno Co., Kans.

Forty registered Duroc sows and gilts bred for August and September farrow. Also a few unpedigreed sows, bred to fine boars. R. O. Stewart, Alden, Kans.

HORSES AND MULES.

FOR IMMEDIATE SALE—A fine Jack, coming 3 years old. Have sold farm and must dispose of Jack at a bargain. Will earn twice his price the coming season. He was selected for me by expert judges of the State College at Manhattan and has all the "points." C. O. Scudder, Whiting, Kans.

STALLIONS, all breeds, for sale on shares. Write for particulars. Will buy 20 head registered stallions. E. E. Gray, Hinsdale, Ill.

PERCHERON STALLION FOR SALE—Owing to circumstances I am forced to sell my 7-year-old registered Percheron stallion. He is sound, kind, big, has a fine action and is a perfect show horse. Will fully guarantee him. Terms: Cash, approved notes, or will trade for cattle. J. B. Weldon, Eureka, Kans.

TWO JACKS FOR SALE—3 and 4 years old, Missouri bred. Address S. C. Hedrick, Tecumseh, Kans.

FOR SALE—One black team, 6 and 7 years old, weight 2600 pounds. Mr. and Mrs. Henry Schrader, Waukena, Kans.

SCOTCH COLLIES.

SCOTCH COLLIES—Pups and young dogs from the best blood in Scotland and America now for sale. All of my brood bitches and stud dogs are registered, well trained and natural workers. Emporia Kennels, Emporia Kans. W. H. Richards.

Scotch Collies.

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

Walnut Grove Farm, Emporia, Kans.

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

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

Duroc-Jerseys.

- Oct. 30—Rathbun & Rathbun, Downs, Kans.
October 30—Grant Chapin, Manhattan, Kans.
Oct. 31—D. O. Bancroft, Downs, Kans.
Nov. 1—R. G. Sollenbarger, Woodston, Kans.
November 2—Jos. Lynch, Independence, Mo.
Nov. 5—J. C. Logan, Havensville, Kans.
November 12—John M. Morrison, College View, Neb.
November 13—W. F. Hutchinson, Cleveland, Mo., at Independence, Mo.
November 15—U. S. Bryne, Agency, Mo.
November 23—Geo. Hannon, Olathe, Kans.
November 23—Marshall Bros. & Stodder, Burden, Kans.
January 21—Jas. L. Cook, Marysville, Kans.
Jan. 22—E. H. Erickson, Olsburg, Kans.
Jan. 23—Samuelson Bros., Bala, Kans., bred sow sale.
Jan. 23—Grant Chapin, Greene, Kans.
February 4—Chester Thomas, Waterville, Kans.
February 6—C. G. Steele, Barnes, Kans.
February 6—J. F. Chandler, Frankfort, Kans.
February 7—Joseph Beust, Frankfort, Kans.
Feb. 8—Sherman Beedy, Hanover, Kans.; bred sows.
February 11—John M. Morrison, College View, Neb.
Feb. 14—John W. Taylor, Edwardsville, Kans., brood sow sale.
Feb. 18—John W. Jones, Concordia, Kans.
Feb. 19—T. P. Teagarden, Wayne, Kans.
Feb. 20—E. E. Axline and Knapp Bros., Independence, Mo.
Feb. 27—D. O. Bancroft, Downs, Kans.
Feb. 28—Rathbun & Rathbun, Downs, Kans.
Feb. 28—R. G. Sollenbarger, Woodston, Kans.

O. I. C.

- November 2—Alvey Bros., Argentine, Kans., at Independence, Mo.
January 8—John Cramer, Beatrice, Neb.
Percherons.
November 8—O. P. Hendershot, Hebron, Neb., Percheron brood mare sale.
December 3—Percheron and other draft horses. Watson Wood Bros. & Kelly, Lincoln, Neb.
Feb. 22—D. E. Heber, Morrill, Kans.
Feb. 18—J. W. and J. C. Robinson, Towanda, Kans.; sale at Wichita, Kans.
February 21—O. B. Smith & Co., Kansas City, Mo.
March 12—E. J. Ream & Co., Denver, Col.

Jacks and Jennets.

- March 3—Limestone Valley Jacks and Jennets L. M. Monser, Union, Mo.
Combination Sales.
October 18—Galloway Asso., Kansas City.
December 6—Galloway Asso., Kansas City.

REAL ESTATE

FARM LOANS

in closing loans. MONEY ALWAYS ON HAND. Write for rate and terms.

DAVIS, WELLCOME & CO.,

Storment Bldg., 107 West Sixth St. TOPEKA, KANSAS

WESTERN Kansas Land for sale. Good farms; wild lands at your own price. S. M. Armstrong, Abilene, Kans.

FOR SALE—80 acres Missouri land, \$250. Terms \$10 monthly; clear title. For description address W. B. Williams, Mt. Vernon, Ill.

FOR RENT: 320 acres in Montgomery Co., Kans., 3 miles to Dearing, 8 miles to Coffeyville, 10 to Independence. All good markets for butter, eggs, milk, vegetables, etc. Upland and all in one body. About 100 acres plow-land, 100 in hay, balance in pasture, 4-room house, large granary, stable, chicken-house; fenced and cross-fenced. Woods for stock; two ponds and well near house; beautiful location, school 1/2 mile, telephone and rural mail delivery; natural gas free for heat and light; cash rent \$1.50 an acre, lease three years, possession March 1, 1908. Liberal allowance on rent to tenant willing to do some work on place. Address M. J. O., Kansas Farmer, Topeka, Kans.

Just the Place.

158 acres adjoining a good town in Anderson Co., Kans. All smooth second bottom land does not overflow, fenced with wire and hedge, about 30 acres tame grass, balance in cultivation. Good house of 6 rooms, good small barn, orchard, an abundance of well water, 200 yards to school. Just the farm for a hog raiser, shipper, dairyman, or any one who wants a good place to live close to town. Price \$45.00 per acre. Mansfield Bros., Garnett, Kans.

MUST SELL

On account of moving and want of Loft, 200 Homer Pigeons, tofirst satisfactory offer. Acme Co. Ste. Genevieve, Mo.

FINE DAIRY FARM CHEAP.

200 acres, 100 acres in cultivation part of which is in tame grass, 100 acres in fine native meadow, good house, cellar, barn and orchard; 2 wells and cistern. 1 1/2 miles to school, 5 miles to Garnett. Price \$5500. Will loan \$2500. Mansfield Bros., Garnett, Kans.

MISCELLANEOUS.

FOR SALE—80 bbls. Hickory wood ashes, makes finest kind of fertilizer. Chas. Wolf Packing Co., Topeka, Kans.

HONEY FOR SALE—Extracted and put up in 40-pound cans at \$4.20 per can or \$8.25 per case of two cans. Quality. Light amber, from the apiaries of W. P. Morley, Las Animas, Colo.

BEAUTIFULLY written calling cards. Samples free. One dozen 15c. Agents wanted. L. E. Stacy, Meadville, Pa.

BEAUTIFUL picture for framing. Steamer Lulstania, 700 ft.; Slinger building, 41 stories. Both largest in the world. Send 10c. J. Wilson, 136 Liberty St., New York.

WANTED—Men to learn barber trade. Wonderful demand for barbers. Few weeks completes. \$12 to \$20 weekly paid graduates. Can earn expenses from start. Write nearest Branch. Moler System of Colleges, St. Louis or Kansas City, Mo.

FOUND—Article to remove ink and rust from white goods without injury. Package 25c. Davis Supply Co., Dept. 6, Brandonville, Pa.

STOCK FOOD AGENTS WANTED—Albert Cure & Son desire a good farmer or stock raiser in every vicinity to sell their Stock Powders, Veterinary Healing Powders (sample sent free) and Curozone Dip. If interested write for their terms. Address, Albert Cure & Son, Atchison, Kans.

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

FOX HOUNDS FOR SALE—Trained to trail. Good age, and ideal coon dogs. Ralph Swartz, Americus, Kans.

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

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

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

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

Stray List

For week ending October 10. Kearney County—F. L. Pierce, Clerk. MARES—Taken up August 28, 1907, by B. F. Glenn in Kendall tp., two gray mares, both branded X on left shoulder and (—) bar T on left jaw; appraised value, one \$40, the other \$20.

Week ending October 17. Jefferson County—Foy Weishaar, Clerk. STEER—Taken up by A. L. Brooke, Grantville Postoffice, September 24, 1907, one 3-year-old brindie steer; both ears cropped, cross brand on left hip, 8 brand on left shoulder.

Coffey County—W. M. Scott, Clerk. MARE—Taken up June 28, 1907 by A. H. Niver, 4 1/2 miles north and west of Gridley, one bay mare, weight about 850 lbs., about 15 hands high, 6 or 7 years old, has strip in face, white hind feet to hocks, right front foot white to fetlock, P | M on left hip and shoulder, had on head-stall of halter; value \$25.

Leavenworth County—J. W. Niehaus, Clerk. SOW—Taken up by H. A. Naber, Fairmount tp., one black sow with end of left ear off, weight about 250 pounds; valued at \$15.

Wyandotte County—F. M. Holcomb, Clerk. STEER—Taken up, September 14, 1907, by Henry Pretz, in Argentine tp., one red steer, white head, dehorned, letters U W on left side, bar (—) under U, round ring on left hip, letters A N on right side; is about 3 years old; valued at \$30.

Kearney County—F. L. Pierce, Clerk. BULL—Taken up, October 1, 1907, by J. D. Boatright, in Lakin tp., one 2-year-old red bull, with white face; valued at \$12.

REAL ESTATE

Made at LOWEST RATE. Annual or Semi-annual interest. Privilege of paying part or all of the loan at any time. Interest and principal PAID AT OUR OFFICE IN TOPEKA. No delay

FOR SALE. A choice quarter, good level wheat land, six and one-half miles from town at \$10 per acre. Will give time on part. R. B. Irwin, Modoc, Kans.

A BARGAIN—160 acres, Jackson County. Light improvements, low price, easy terms. The Sheldon Realty Co., Topeka, Kans.

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.

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

240 ACRES in the Kingdom of the Big Red Steer, 100 cultivated, 10 meadow, 130 pasture; good apple orchard and other fruit; frame 7-room house; good barn; living water; limestone soil; 1 mile to school; 5 to station; 15 to Emporia. Price \$5,200. Hurley & Jennings, Emporia, Kans.

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

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

FOR SALE. 168 acres four and one-half miles from county seat, good buildings, 18 acres pasture, 6 acres alfalfa, hog-tight, balance in cultivation, one-half mile to school. Price \$6,400. Time on part. I have all kinds and sizes. A. S. Quisenberry, Marion, Kans.

MARSHALL COUNTY LAND BARGAINS. 240 acres 5 miles out, improved, 130 in cult., bal. timber and pasture; price only \$50 per acre. Also \$2,000 hardware stock for sale at 85c on the \$1 cash. 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.

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.

Washington County, Arkansas, comprises a large part of the Ozark Fruit Belt and wants twice its population. Fayetteville, "The Athens of the Ozarks," the county seat and metropolis of Washington County, wants new business enterprises. A land of great opportunities for business man and farmer alike. Write for new descriptive and illustrated booklet. The Commercial League of Fayetteville, E. R. Wilson, Secretary, Fayetteville, Ark.

This tract of land contains 4,828 acres, and lays nine miles north of Dodge City, in the north part of Ford, and the south part of Hodgeman Counties. It is all fenced and cross-fenced; two good sets of improvements, consisting of dwellings, horse barns, cattle-sheds, granaries, etc.; 175 acres now in wheat and rye; 45 acres ready for spring crop; the remainder of the land all in natural grass. Three school houses adjacent to this land. This ranch is watered by several of the finest springs to be found in Western Kansas. Sawlog Creek runs through the land, and has in its pools of clear standing water the year round. All of this ranch is the very best of wheat land, and about 500 acres is splendid alfalfa land. We will sell this entire tract for \$10 per acre and carry \$4 per acre of the purchase price five years at 6 per cent, or will sell it in quarters, halves or sections, at a reasonable price and on same terms. This is one of the finest tracts of land in this part of the state, being surrounded by well improved wheat and alfalfa farms. Your last chance to buy this tract of land.

FRIZELL & ELY, Larned, Kans.

160 Acres

one and one-third miles southwest of Lafontaine, Wilson County, Kans. Creek bottom land, all in cultivation except about ten acres of pasture. Well fenced into eight different fields. Will raise any kind of grain you want to plant. Has good 7-room house, porches; good barn for eight head of horses; corn-crib; everything in first class condition and a model home. Price \$45 per acre. Address

C. H. CANTRALL, Fredonia, Kans.

Farm Bargains

Good farms for sale in Wilson and Montgomery Counties, Kans. We have some real bargains. Write for particulars.

THE SOUTH EAST REALTY CO.

Lafontaine, Kans.

Norton County Alfalfa and Corn Farms.

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

LOWE & BOWERS, Alma, Kans.

A Cheap Wheat Farm in Stanton Co., Kans.

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

ALBERT E. KING, McPherson, Kans.

DUROC-JERSEYS

Woodlawn Durocs
Shorty Orion 53343. The great winner of first in class at the Illinois State Fair, at the head of the herd. Fancy Topnotcher 40839, the first prize boar at the Kansas State Fair, 1906, sired by Kant-Be-Beat. Fancy Chief 24923 by Ohio Chief and Woodlawn Prince 53341, second prize boar in class Kansas State Fair. 125 pigs by these great sires from dams of equal breeding. Come and see them. Write us for prices.
JOHN W. JONES & SON, - - - **Concordia, Kansas**

DUROC-JERSEYS

We are now offering 35 head of choice males. March and April farrow, sired by Chandler's Wonder, son of the great Nebraska Wonder; and other noted boars. Dams contain the blood of the leading strains. Write me your wants or come and see.

DUROC-JERSEYS

Capital Herd Duroc-Jerseys.
Young boars and gilts for sale from such sires as Mission Goldfinch, Long Wonder and Parker Boy, with excellent breeding on dam's side. All are good thrifty pigs. Call or write.
J. S. White & Son, R. S., Topeka, Kans.

DUROC-JERSEYS

Klondyke Durocs
100 choice spring pigs, both sexes, by Chief Model and Prover, a son of Improver 2d and out of Kansas Wonder dame. Spring pigs, either sex, for 30 days at \$15, \$18 and \$20. Only tops shipped on mail orders. Write for description and prices.
G. E. Newton, Whiting, Kans.

Ghandler's Durocs
J. F. CHANDLER, Frankfort, Kans.

125 Pedigreed Duroc Red Spring Pigs for sale cheap. Chas. Dorr, Osage City, Kans.

J. H. G. Hasenyager, Tecumseh, Neb.
Breeder of Duroc-Jerseys
Write me for prices.

MADURA DUROCS.
The home of Miller's Model, by Hunt's Model and Major Rosefelt a grandson of Ohio Chief; 100 fancy, growthy pigs; also bred sows and gilts for sale.
FRED J. MILLER, Wakefield, Kans.

CHOICE REGISTERED Durocs, P. C. and O. I. C. hogs; Shorthorn, Jersey, and Galloway cattle; 40 varieties poultry and pet stock at farmers' prices; stamps for cat. A. Madsen & Sons, Atwood, Ks

Deer Creek Durocs
100 pigs of March and April farrow by sons of Ohio Chief, Top Notcher and Kant Be Beat. Ready for shipment after July 1.
Bert Plach, - - - Prairie View, Kans.

DUROC-JERSEYS—Large-boned and long-bodied kind. Bred gilts and fall pigs, either sex. Prices reasonable.
E. S. COWEE, Route 2, Scranton, Kans.

Orchard Hill Herd Of Duroc-Jerseys
Some splendid fall gilts sired by Norton's Top Notcher by Tip Top Notcher and bred to Kansas Chief 87421, grandson of Ohio Chief. Also some fine fall boars.
E. F. NORTON, Clay Center, Kans.

HILLSIDE DUROCS.
Seventy-five head of well-bred, well-grown March and April pigs. A few one and two year old sows.—**W. A. Wood, Elmdale, Kans.**

DUROC-JERSEYS.
Extra fine blocky pigs for sale at reasonable prices. Also thoroughbred Percheron horses.
W. A. SCOFFIELD, Ind. Phone 6577, Station B, Topeka, Kans.

DEEP CREEK DUROCS
Spring boars for sale grandsons of the great Hunt's Model 20177. Others sired by Lincoln Wonder, the \$2,000 hog.
Address **C. O. Anderson, Manhattan, Kans.**

ATTENTION
Hog raisers of every kind. Had you forgotten that this is just the time to buy that male pig to head your herd? Well it is a fact and you had better get in line and come to the Rosebud and get something fine. Rosebud stock farm, Rathbun & Rathbun, Proprietors, Downs, Kans.

OAK GROVE HERD OF DUROCS
Herd headed by Choice Goods H. 86471 by Hunt's Model and Corrector's Model 34381. I have for sale a few choice males of spring and fall farrow that will be priced worth the money. Sherman Reedy, Hanover, Kans.

WESTLAWN DUROCS
Herd headed by Bobby S., a son of 2d Cilmix, 1st prize boar at Missouri State Fair 1903. Stock always for sale. Choice fall boars and gilts. Also young Shorthorn bulls from heavy milking dams. Prices reasonable. E. B. Grant, R. 2., Emporia, Kans.

Pleasant View Durocs
70 early pigs by Quality King 59831, Orion Boy 42137, and W's Top Notcher 59833. Also choice fall gilts at right prices.
THOS. WATKINSON, Blaine, Kans.

Elk Valley Durocs
Herd headed by Doty Boy 29278, a son of the champions Goldfinch and Dotie. My sows are by prize-winning boars. Choice pigs of both sexes for sale.
M. Wesley, - - - Bancroft, Kans.

PEERLESS STOCK FARM
DUROC-JERSEY HOGS.
Boar and gilt sale Nov. 1; 35 head, best of breeding and individuality,
R. G. Sollenberger, Woodston, Kansas

CUMMINGS & SONS DUROCS
100 toppy pigs of early March farrow, by Lincoln Top, Junior Jim, Tip Top Notcher Jr, Kant Model, Beautiful Joe and our herd boar OH HOW GOOD, second prize-winner at Nebraska State Fair. Sale in October; write or visit.
W. H. Cummings & Son, Tecumseh Neb.

Pigs Shipped on Approval.
200 head of Durocs, all ages, representing the blood of Combination, Valley Chief, and a son of Kant-Be-Beat
T. L. LIVINGSTON, Burchard, Neb.

GOLDEN HERD
DUROC-JERSEYS
Boars in service are Sons of Kant-be-beat, Ohio Chief, Tip Top Notcher, Proud Advance. All the famous strains represented. Choice gilts bred for fall farrow and some fall boars for sale. **FALL SALE NOVEMBER 9th.**
N. J. Fuller, -:- Garnett, Kans

Mission Creek Durocs
Herd headed by A. B. Top Notcher 47323 and Pawnee Chief 49559. Fall sale October 16, 1907. Write for catalogue.
G. W. Colwell, Route 2, Summerfield, Kans.

Staat's Durocs
Boars in service: Long Wonder 21867, the great thousand pound Nebraska State Fair winner; Nelson's Model 22095, first in class Nebraska State Fair, with over 60 in class a great son of "Can't Be Beat," out of Top Notcher sow.
Young boars for sale, by Long Wonder and Nelson's Model; also sows and gilts bred and open.
J. F. STAADT, - - - Ottawa, Kans.

Silver Lake Durocs
Fall boars, bred right and priced right; also choice gilts bred to Kansas Buddy, a son of Buddy K. 225 spring pigs ready for shipment after July 1.
W. C. Whitsey, - - - Agra, Kans.

Gold Dust Herd Durocs
One hundred fine spring pigs sired by boars that are bred right and out of sows purchased from the leading herds and carrying all the popular blood lines. Also a number of fall boars for sale. Write us for prices.
MINER & AITKEN, Tecumseh, - - - Nebraska

B. N. WELCH,
Breeder of DUROC-JERSEYS, Crimson Chief 49609 heads my herd. Young stock for sale.
WATERVILLE, KANS.

Home of Indiana 2d.
You all know the record of this great young boar. Come and see him and the many other sons and daughters of world and State Fair champions in our herd. PLACE TO GET HERD-HEADERS. TRY US. They have size, finish, easy feeding qualities with pedigree, the kind sought after by the farmer, breeder and showman. We price them right. Come or write us.
HOWARD REED, Frankfort, Kans.

McFARLAND BROS.,
Breeder of Champions and Grand Champion Duroc-Jersey swine. Winners at World's Fair, American Royal and State Fairs. Stock of all ages for sale
Route 1 - - - Sedalia, Mo.

HERD OF DUROCS
is built along the most fashionable blood lines and is noted for the individuality of its make-up. 60 fine pigs sired by the great Hanley, Lincoln Top, Buddy L by Buddy K IV, Crimson Jim, Ambition and other great sires. We invite correspondence with prospective buyers.
Elmer Lamb, Tecumseh, Nebr.

Howe's
DUROCS: 100 early spring pigs, the best I ever raised. Improver, Top Notcher, Sensation and Gold Finch blood lines. Call or write
J. U. HOWE, R. S., Wichita, Ka.

Lamb's
DUROC are bred for usefulness. Choice young stock for sale by such great boars as Vick's Improver 47885, Red Top 32241, Fancy Chief 47885, Red Top 32241, Fancy Chief 47885 and other noted sires. Correspondence invited. Visitors coming to Junction City and elsewhere will be called for. **W. L. Vick, Junction City, Kans.**

Vick's
DUROC are bred for usefulness. Choice young stock for sale by such great boars as Vick's Improver 47885, Red Top 32241, Fancy Chief 47885, Red Top 32241, Fancy Chief 47885 and other noted sires. Correspondence invited. Visitors coming to Junction City and elsewhere will be called for. **W. L. Vick, Junction City, Kans.**

ELMER LAMB
DUROC-JERSEY HERD
For Sale—Boars ready for service sired by Wonder Lad 17259, carry the Ingomar 7897a blood. Choice boar pigs that trace to Long Wonder, to Ingomar, and to Duroc Challenger.
RALPH HARRIS, Prop. B. W. WHITE, Mgr. WILLIAMSTOWN, KANS.
Farm station, Buck Creek, on the U. P. 45 miles west of Kansas City.

RALPH HARRIS FARM
DUROC-JERSEY HERD
For Sale—Boars ready for service sired by Wonder Lad 17259, carry the Ingomar 7897a blood. Choice boar pigs that trace to Long Wonder, to Ingomar, and to Duroc Challenger.
RALPH HARRIS, Prop. B. W. WHITE, Mgr. WILLIAMSTOWN, KANS.
Farm station, Buck Creek, on the U. P. 45 miles west of Kansas City.

Timber City Durocs
Fall and spring boars by You Bet 31111, Doty Wonder 41889, Geneva Chief 48049, Rose Top Notcher 54059, and others. Sows bred to the above boars for sale. Over 400 head in herd, write your wants.
SAMUELSON BROS., Bala, Kans. and Cleburn, Kans.

K. & N. Herd of Royally Bred Duroc-Jersey Swine
have a few gilts that I will sell at reasonable prices bred for April farrow. Also a few fall boars of September, '06 farrow. Write for prices and description.
R. L. WILSON, Chester, Neb.

Elk Creek Durocs
One 2-year-old boar by Improver 2d and out of Nebraska Bell. Also one yearling boar by Old Surprise. (a son of prize-winners) at living prices. 160 pigs of early spring farrow by Kant Be Beats Best, and Bell's Chief 2d, ready for shipment after July 1.
J. E. JOINES, Clyde, Kans.

Golden Queen Durocs
Herd headed by Crimson Jim 47995 and Lincoln Top 55287, two of the best boars in Nebraska. A number of choice gilts for sale bred to these boars for fall farrow. These gilts are all out of my best sows and will be priced right.
W. M. Putman, Tecumseh, Neb.

ROSE LAWN Duroc-Jerseys
I have several high-grade Lincoln rams for sale.
L. L. Vrooman, Rose Lawn Place, TOPEKA, KANSAS.

CRIMSON WONDER HERD.
Our Durocs are in fine shape. 300" head to pick from. Happy Hooligan 64671 by Crimson Wonder 38755 and winner in 6 months class, Crimson Lad I Am 62653, winner of 3d prize at Kansas State Fair, are both now for sale. Mr. and Mrs. Henry Shrader, Wauneta, Kans.

OSAGE VALLEY DUROCS
150 early pigs, Ohio Chief, Orion, Crimson Wonder, Proud Advance and Brilliant strains. Toppy boars large enough for service. Prices reasonable.
A. G. DORR, Osage City, Kans.

REGISTERED SHORTHORN CATTLE AND DUROC-JERSEY HOGS.
Pure Scotch male, Lord Victoria 250519. Young stock for sale, **W. O. Rule & Sons, Ottawa, Kans.**

Walnut Lane Durocs
Headed by Neesho Chief 87161, one of the best grandsons of Ohio Chief. A fine lot of spring boars for sale reasonable.
S. A. Hands, Thayer, Kansas

Fairview Herds Durocs and Red Polled
Some good young boars by Crimson Challenger 43877 for sale. No females or Red Polled Cattle for sale now.
J. B. Davis, Fairview, Brown County, Kans.

CRIMSON HERD OF DUROCS.
Herd boars, Red Perfection by Kansas Chief, Allen Gold Dust and Red Pathfinder. Iowa Girl still farrowing good litters. The best blood lines of the breed, with size and quality combined. Eighty-five spring pigs for the trade at private sale. **J. W. REID, Portis, Kans.**

PRAIRIE QUEEN DUROCS
70 early springs that are tops, by the great Kant Be Beat, Alex Heir, and Wilkes Echo, out of daughters of Ohio Chief and Village Pride, and other good ones. **G. H. RAMAKER, Prairie View, Kans.**

Chapin's DUROCS. Home of Model, Chief Again, King of Col's II, Red Raven and C. E. Col. II; 175 early pigs; 45 fall gilts, and a lot of proven sows to select from for my
Public Sales to be held Oct. 30 '07 and Jan. 28, '08.
GRANT CHAPIN, - - - Greene, Kans.

FOUR-MILE HERD DUROCS
Choice fall boars by Orion Jr. 31497, and Ohio Chief 2d 41197. 50 spring boars, growthy, heavy bone, good feet, nice color; sired by the above named males, and E.'s Kant Be Beat 57563, Crimson Chief 31263, Rose Top Notcher 54059, You Bet 31111, Tip Top Notcher 20729, and other noted sires. Sows of the best and leading families. Write or visit herd. Visitors met at trains.
E. H. Erickson, R. 1, Olsburg, Kans.

Otatop Herd Duroc-Jersey Swine
Composed of nothing but prize-winning blood. Pigs for sale of either sex.
JOHN W. TAYLOR, Edwardsville, -:- Kansas

Haith's DUROCS
Herd headed by Lincoln Top 55287 and Ed's Improver 48637. A fine lot of pigs for sale sired by these grand sires, Kant Be Beat, Royal Ohio Chief, Lincoln Wonder, Lincoln Top, Arion and other great boars. Also a few good sows for fall farrow bred to Lincoln Top.
W. W. HAITH, Vesta, Neb.

EUREKA MANOR HERD OF DUROC-JERSEYS.
Choice breeding stock; the best I ever raised. Fall and spring boars, fall and spring gilts, and tried sows, bred or open. Prices the lowest, quality and breeding the best. Herd headed by Eureka Tip Top 43641 sired by the great World's Fair grand champion Tip Top Notcher 20729 and Olathe Chief 61629 by Ohio Chief 8727, the world's champion. Write your wants or call and inspect my herd.
J. F. ENSOR, Olathe, Kans.

FORD SKEEN
Breeder of the Choicest and most Prolific Strains of
Duroc-Jersey Swine
Prize-winning blood, inspection invited, honest treatment insured
South Auburn, - - - Nebraska

McKeever & Sons
The home of the big useful Poland-Chinas and Hog Litters by Expansion C, Expansion Grand Look and other big ones. Nothing but good ones sold on mail orders. Write us.

ROSE LAWN Duroc-Jerseys
I have several high-grade Lincoln rams for sale.
L. L. Vrooman, Rose Lawn Place, TOPEKA, KANSAS.

Big Bone - Big Litter
ALWAYS SHOW AND ALWAYS WIN!
First-class stock always for sale. Write or call on **C. Dawson's Sons, Endicott, Jefferson Co., Neb.**

FAIR VIEW STOCK FARM
Show yard type Poland-Chinas, headed by Corrector Sunshine 101835. A few choice pigs for sale.
A. K. Sell, Fredonia, Kans.

BOARS, BOARS.
Choice spring males at right prices, by Grand Chief Masterpiece, Nonpareil Choice Chief, R. L. 2nd, and other noted sires. Call on or write
THOS. COLLINS, R. 4, Lincoln, Kans.

Stalder's Poland-Chinas
I have pigs for sale from the leading strains of the country. Prices reasonable. Write for full particulars.
O. W. Stalder, Salem, Neb.

SIGLER'S
Our Poland-Chinas are bred in breeding and individuality. Our prices are right and we respectfully invite correspondence with prospective buyers.
A. R. SIGLER, Platteville, Nebr.

SUNNY SLOPE POLANDS
10 heavy boned, stretchy fall boars, by Hadley and Thompson's Choice; also gilts and tried sows bred to Impudence I knew 45180, at right prices.
W. T. Hammond - - - Portis, Kans.

POLAND-CHINAS. SHORTHORNS.
A few thrifty young bulls and boars of the best breeding from champion and prize-winning families. Prices reasonable for quick sales.
R. M. BUCK, Route 2, Eskridge, Kansas

Esbon Herd of Poland
I have some tried sows bred to Speculator 43625 for October farrow.
W. C. TOPLIFF, - - - Esbon, Kansas

Erie Gas Light Herd POLAND-CHINAS.
Headed by Sunshine Chief 2d by Chief Sunshine 2d, dam Queen Perfection, Margaret C, Mayflower, Ideal Sunshine 2d and other great sows in herd. Stock for sale. **J. E. MAHAFFEY, Erie, Kans.**

Belleville Big Boned Poland
Fall boars of the best breeding; also choice gilts bred to Pan Famo for fall farrow. Spring pigs by Pan Famo ready for shipment in July.
W. H. Bullen & Son, - - - Belleville, Kansas

Clover Lawn Poland
My spring crop of pigs is coming nicely. Those who are interested in buying a good boar or gilt should write me or arrange to attend my sale, October 24, 1907.
JOHN R. TRIGGS, Dawson, Neb.

Home of Indiana 2d.
You all know the record of this great young boar. Come and see him and the many other sons and daughters of world and State Fair champions in our herd. PLACE TO GET HERD-HEADERS. TRY US. They have size, finish, easy feeding qualities with pedigree, the kind sought after by the farmer, breeder and showman. We price them right. Come or write us.
HOWARD REED, Frankfort, Kans.

East Creek Herd of Poland
Headed by STYLISH PERFECTION 40314 winner of first in aged class and sweepstakes boar Nebraska State Fair 1906. Stylish Perfection is one of the greatest boars of the breed and won his honors upon merit alone and his get proves him to be a great sire as well as a great show animal. A few good spring boars and gilts sired by him for sale.
H. B. WALTERS, Wayne, Kans.

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ROSE LAWN Duroc-Jerseys
I have several high-grade Lincoln rams for sale.
L. L. Vrooman, Rose Lawn Place, TOPEKA, KANSAS.

Big Bone - Big Litter
ALWAYS SHOW AND ALWAYS WIN!
First-class stock always for sale. Write or call on **C. Dawson's Sons, Endicott, Jefferson Co., Neb.**

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