

KANSAS FARMER

FOR THE IMPROVEMENT



OF THE FARM AND HOME

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TOPEKA, KANSAS, SEPTEMBER 16, 1911.

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lished 1863. \$1 a Year

EACH human accomplishment is wrought towards an ideal.

When man lures from the solid marble images of grace, strength and beauty, his ideal is approached 'mid loud acclaim.

When he tames the feral beast and, through his intimate knowledge of nature's intricate laws, transforms the lean, swift, fierce animal of skin, bone and fiber into the stately Hereford, he has modeled a living, sentient creature to accord with his ideal, and his glory is the greater.

Human endeavor has no broader field for thought; no wider range for skill, than lies in man's ability to concieve the ideal animal and call it into being through his knowledge of the mysteries of life. —I. D. G.



A Masterpiece Of Breeder's Art

Old Favorite Songs FREE!

The best ever written—the songs that are loved most and are the delight of every home. The Star Collection, 50 pieces, words and music—Dixie, Lily Dale, Juanita, Rocked in the Cradle of the Deep, Robin Adair, Love's Old Sweet Song, Nelly Gray, Annie Laurie, Hall Columbia, Last Rose of Summer, My Maryland, Goodnight Ladies, Old Oaken Bucket, Old Folks at Home, Auld Lang Syne, Kentucky Home, and hosts of others. Only publication that has this complete collection. Send us the names of five friends who have square pianos or organs and WE WILL MAIL YOU THIS BOOK ABSOLUTELY FREE. Write today for the Star Collection of Old Favorite Songs. Supply is limited. Address F. G. SMITH PIANO CO., 1025 Grand Avenue, Kansas City, Mo.

TREES

Of all kinds at WHOLESALE PRICES. Save agent's commission of 40 per cent by ordering direct from us. Premium with each order free of from 1 to 4 trees; roses, shrubs or other stock. Stock guaranteed first class. Certificate of inspection furnished. Don't delay, send for price list now. Address Box K, WICHITA NURSERY, Wichita, Kansas.

TOO LATE TO CLASSIFY

Long's Mastadon POLAND CHINAS

Headed by the great King Mastadon 2d. Public sale Oct. 18. Write now for catalog. W. E. LONG, Meriden, Kansas.

March and April Durocs

Twenty boars weighing about 150 each; reasonable price. Also weanlings. E. P. WELLS, Formosa, Kansas.

HAMPSHIRE thoroughbreds from prized stock, fine sows and gilts exceptionally cheap. Duroc Jersey out of the best blood possible. Brood sows and gilts, also some exceptionally good male hogs. All registered. Priced to sell. The Springdale Stock Ranch, Concordia, Kansas.

BIG POLANDS JOHN B. LAWSON'S HERD.

Clarinda, Ia.—Herd headed by Long King's Equal. Fifty head of lengthy, big boned, high-class boars and gilts for sale. All sired by Long King's Equal.

Lower Cost of Building.

The big advertisement of the Gordon-Van Tine Co., 2628 Case street, Davenport, Ia., on the back cover page of September 2 issue is worth a careful re-reading. That this company has been and is furnishing first-class lumber, mill-work and other building materials, at money-saving prices, is best evidenced by the strenuous opposition put up against it by what is alleged as the "lumber trust" and its minions all over the country. This company and its goods simply be-

KANSAS FARMER STOCK KNIFE.



Reduced Size.

This is the handiest and best stock knife on the market. Buffalo horn handle, German silver boloid. Large scimitar blade, hoof blade and smaller pen blade. Brass lined. A beauty and fully guaranteed. Would cost \$1.00 to \$1.25 in any retail store. Sent prepaid to any subscriber of Kansas Farmer for only 65 cents. Given free to any old or new subscriber sending \$1.00 for a year's subscription and 15 cents extra for shipping.

KANSAS FARMER, Topeka, Kan.

TEN WEEKS FOR TEN CENTS.

KANSAS FARMER will be sent on trial to any address 10 weeks for 10 cents. Could you do a friend or neighbor a better turn than to take advantage of his offer? Why not pick out five of your friends and send each of them KANSAS FARMER for 10 weeks?

To any lady reader of KANSAS FARMER who sends us 50 cents and five trial subscriptions, we will send free of charge a KANSAS FARMER COOK BOOK. This is the best cook book ever published, none excepted. If you don't say so when you get it, we will send your money back.

To any gentleman reader sending us 50 cents for five trial subscriptions we will send free of charge a fine fountain pen.

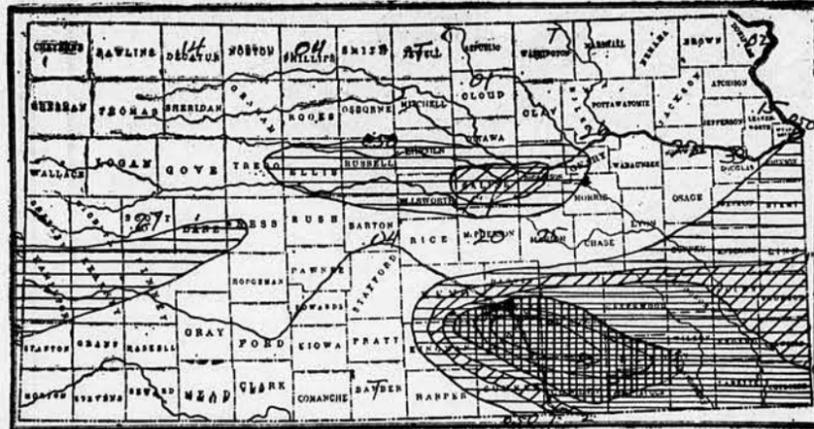
Address Subscription Department KANSAS FARMER, Topeka, Kansas.

FOR SALE—A USED DOUBLE SEATED surrey; hand made to order; extra heavy wheels; full leather top; finest of materials and workmanship all through; not been used enough to hurt; cost \$600; will sell at big sacrifice for quick sale; particulars sent by return mail if you write. \$10, care of KANSAS FARMER, Topeka, Kan.

try. While local lumber dealers are decried because it dares to sell to any one by mail, it must not be forgotten that the success of the Gordon Van-Tine Co. has come through the high grade goods it has always shipped to its customers for prices that have averaged considerably less than local prices. Indeed, in most instances, local dealers have not been in position to furnish as good materials for anything like Gordon-Van Tine Co.'s prices. Whoever is contemplating any building can do no better service to themselves than to write this company at the above address and get their free books and prices.

KANSAS CROP REPORT

Rain chart prepared by T. B. Jennings from reports collected by the Weather Bureau.



UNITED STATES WEATHER OBSERVER'S REPORTS BY COUNTIES.

INCHES: SCALE IN Less than .50. .50 to 1 1 to 2. 2 to 3 Over 3. T. trace

Allen—Good rain on 6th and 7th greatly benefited growing crops. Anderson—Nice little rain, but not enough to help the streams and wells. Barber—Hot and dry. Rain badly needed. Barton—A dry week with high temperature. Corn cutting in progress. Coffey—Good rains for grass and alfalfa. Not enough to fill ponds or cause creeks to flow. Decatur—Very dry. Feed very short at most places. Elk—Corn cutting in progress. Fine rain Wednesday night. Ellsworth—Had a good rain on the 7th and indications for more. Greenwood—Fine rain. Will help corn and kafir corn and insure another crop of alfalfa. Hamilton—Crops are in fine condition. Lots of moisture in ground. Jewell—No rain this week. Corn maturing fast. Potato crop small. Johnson—The week has been hot and dry. Small rain last night, which will benefit much. Lane—Drouth continues with hot weather. Leavenworth—Condition of potato crop is much improved and now promises a two-thirds crop. Corn is made and will turn out a good half crop. Logan—Warm and dry. Farmers cutting feed, as it is drying up. McPherson—Conditions practically un-

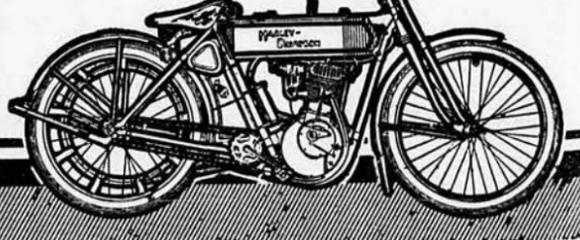
changed; light showers this morning, with prospects for more; is much needed. Marion—Corn has dried up fast within the last few days. Light shower on 7th. Nemaha—Ground getting dry. Wheat and alfalfa being sown. Phillips—Ground is getting dry. Good weather for haying. Worms are working in alfalfa. Rice—Still continues dry. Saline—Fine rain 7th will put ground in good condition for fall seeding and make good late hay crop. Scott—Hot and dry. Sedgwick—Rainfall 7.99 inches all of which occurred in thirteen hours and twenty-six minutes on September 6 and 7. Damage by hail, rain and high winds, places the amount at about \$175,000. Much of the kafir corn and cane in the hail district was beaten to the ground. Smith—The week was cool and dry. Many people are cutting their fodder. Sumner—Rain badly needed. Thomas—Dry, part cloudy and windy week, doing great damage to feed crops and drying up pastures. Wallace—Still dry and windy. Washington—Wheat sowing is on in full blast. Fine rain September 8. Just what we need. Woodson—Good rain on night of 7th beneficial to hay, pastures and kafir corn. Wyandotte—Light rain September 7.

Advertisement for watch cases. Features two pocket watches: 'CRESCENT' and 'JAS. BOSS'. Text: 'Hold a Magnifying Lens Over These Watch Cases'. 'Examine the deep, rich engine-turning or engraving on "Crescent" or "Jas. Boss" cases. It is made possible by the thickness of the gold. Ordinary filled cases may look all right when you pay for them, have a high polish and all that. But the workmanship of such cases is thin and light—merely burnished on—because the surface is only a thin film or wash of gold. You may even find them stamped "Guaranteed for 20 years," but what is the guarantee worth when there is no way to enforce it? If you want assured investment value for your money—service, wear, all-round satisfaction—see that you get a "Crescent" or a "Jas. Boss" case. Every representative jeweler carries them. He will identify them for you by the trademarks illustrated on this page. These marks mean absolute integrity in material, in construction, in workmanship. They are standard with the fine jewelry trade and have been for fifty years.'

HARLEY-DAVIDSON

MR. FARMER SEPTEMBER AND OCTOBER are two ideal months for motorcycling. It is then you have the time and opportunity for pleasure riding. It is then that the fish bite best, the nuts ripen and the ducks begin to fly. Sooner or later you will purchase one of these time saving machines. Why not do it now? A Harley-Davidson MOTORCYCLE will carry you anywhere you wish to go and at any speed you wish to ride. Will travel 10 miles for a cent, carry 200 lbs. of freight or an extra passenger. This machine holds the World's Economy Record as well as innumerable speed and endurance records. Nearly one-third of all the motorcycles made and sold in America are HARLEY-DAVIDSONS. Send for Illustrated Booklet.

HARLEY-DAVIDSON MOTOR CO. 986 L STREET MILWAUKEE, WIS.



Timothy hay is always worth a good deal less than it is worth. That is, it sells for more than it is really worth as a feed, especially for dairy stock. Alfalfa or clover is vastly more profitable as a dairy feed, so the sooner change is made from timothy to the sooner the loss will stop.

KANSAS FARMER

EDITORIAL

A PURE-BRED SIRE CLUB.

Some time since, Dr. Alexander of the Wisconsin Agricultural College proposed a pure-bred sire league for the whole country, and the idea became at once so popular that the states are taking it up and organizing state clubs. This is a philanthropic organization, without officers and without any fees or other expenses to the members. All owners and users of pure-bred sires may become members and the object of the club is to secure the improvement of live stock of the state and nation by the use of pure-bred, registered sires only, in place of grade, mongrel or scrub breeding.

The only requirement is that each member shall pledge himself to use only pure-bred sires in all classes of farm animals as soon and as far as possible; to urge upon his neighbors the same practice; to work for the improvement of all pure-bred animals in breeding character, individual excellence, quality, size, soundness and prepotence. On the other hand, the members must discourage the use of grade, mongrel or scrub sires and of all animals that are diseased, hereditarily unsound, unfit or undesirable in conformation or character.

In order to inaugurate this splendid movement in Kansas, Prof. G. C. Wheeler of the Extension Department of the State Agricultural college has offered to distribute membership cards and lapel buttons to all who apply to him at Manhattan. He will also be at the State fair at Topeka prepared to distribute literature, membership cards and buttons to all who come.

In order to further this work, Prof. Wheeler suggests that the club pledge be printed on the back of each member's business card and these be liberally distributed.

There can be no question that concerted action along this line will do much to improve the live stock of the state, and the increase in quality and numbers of its live stock is what Kansas now needs. The temptations of high prices for grain and hay have made serious inroads upon the numbers of various kinds of farm animals and our farms are suffering for it, as well as our pocketbooks. No permanent system of agriculture can be built in any country without live stock, and now that the opportunity offers, let us unite in a grand house-cleaning in which we shall get rid of the scrub and stock up with a better class of farm animals. It will never pay to raise poor stock upon our high priced land.

CONSERVATION CONGRESS.

The third National Conservation Congress will be held at Kansas City, beginning on Sept. 25. The conservation of forests, of mineral resources, of water powers and of the fertility of the soil will be general heads under which addresses will be given and discussions had.

All of these are extremely important and none more so than the conservation of the soil which is the greatest asset of this nation. With this topic will go the conservation of the efficiency of the farmer and the development of a higher civilization on the farm as the only source of abiding greatness for the American people.

Women's work will have a large place in the program and this will insure a deep interest while the fact that President Taft will address the convention on the first day will serve to give added interest.

As this will be perhaps the most important meeting for the general good that will be held this year, it is urged that farmers and their wives be present. The chief topics under consideration will concern them more directly than any other class though all are interested. It is predicted that history will be made at this important meeting.

Although it has been long in coming, the monumental expression of our appreciation and memory of the soldiers and sailors who have gone from Kansas to defend their country in times of war, will be a fitting one when finished. Facing the Capitol and standing adjacent to the largest skyscraper buildings of the city, the State of Kansas is now erecting Memorial Hall at a cost of \$400,000. A part of this splendid structure will be fittingly devoted to the records and museum of the State Historical Society, while the greater portion will be for the use of our honored veterans. Kansas has never done a finer thing than this.

With which is combined FARMER'S ADVOCATE, established 1877.
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Special clubbing rates furnished upon application.

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PICTURES—Good photographs, drawings and plans are especially solicited. Senders' names should always be written on the back of each picture. KANSAS FARMER can not be held responsible for any picture submitted, except under special written agreement.

CONTRIBUTIONS—KANSAS FARMER is always glad to have correspondence on all farm, live stock or household subjects. Your name should be signed to all communications and they should always be addressed to

KANSAS FARMER COMPANY, TOPEKA, KANSAS.

THE DRY FARMING CONGRESS.

The Sixth International Dry Farming Congress will be held at Colorado Springs during the week beginning October 16, at which time there will also be held an international exposition of dry farming products for which a large fund will be distributed in prizes. Special prizes will be given for artistic displays and for educational exhibits. Granges, horticultural, agricultural, live stock and farmers' associations and commercial clubs are entitled to 4 delegates each, while state officials and associations may have more.

The Dry Farming Congress is an educational association which devotes its efforts, primarily, to research and organization for the improvement of farming methods.

Sixty-three per cent of the remaining unoccupied arable acreage of the world must, if tilled at all, be placed under dry-farming methods, and this fact gives the dry farming problem vast human interest from both the financial and social standpoints.

Dry farming is "better farming" in every sense of the expression and conclusively it has been shown that the very methods advocated by this Congress for solving the problems in semi-arid parts of the world also will serve to protect against drought in the so-called rain-belt states. At the convention this evidence will be presented and discussed by leading scientists.

In connection with this meeting there will be held the first annual International Congress of Farm Women, which is auxiliary to the Dry Farming Congress, and which has for its object a crystallization of the movement for better homes, better sanitation, better education, and better morals. Speakers of prominence will address the Congress and domestic science demonstrations and exhibits will be had in connection with technical lectures.

Altogether the Congress will be the most important of its kind that has ever been held and one of the most important that could be held.

The State Refractory at Hutchinson made a very successful experiment this summer in irrigating its farm lands from the waters of Cow creek, which passes through them. As this creek also runs through the city of Hutchinson, and as the city sewers empty into it, the Salt city objects to such use of the water, as any considerable decrease in the supply will cause the sewage to accumulate. To the occasional visitor it looks like Hutchinson would prefer to beautify this really pretty stream instead of using it for a sewage dump, and then use the Arkansas river instead.

A great wheat campaign is now on in Southwest Kansas, in which a large number of counties are engaged, and which has for its object the improvement of the wheat crop through better seed and better methods, and also the assistance of farmers who need it in securing seed for this fall. While the plans differ in the different counties, the general object is the same, and results are sure to follow.

SORGHUM, CORN OF PLAINS.

While sorghum in some of its forms has been raised and valued in Kansas for many years its real worth does not seem to have been generally appreciated to such an extent as during the season just ending.

As a dry weather crop sorghum has few equals and as a permanent grain crop for the western third of the state it has none. Sorghum and kaffir corn are perhaps the most satisfactory varieties for the eastern two-thirds of the state, but milo maize undoubtedly has many advantages in the shorter seasons of the higher western plains. Sorghum, in its several varieties, has a feeding value for its grain that is but little less than that of corn and it is a much more certain crop. When the dry weather strikes it it does not die but simply stands still until the rains come, when its growth is marvelous. When the grain is fed with alfalfa the results are hardly to be distinguished from those obtained from the use of corn and when cured as hay it makes a splendid roughage.

Because of its compact heads and heavy grain yield and because of its early maturity milo is very popular in the west, and there takes the place of corn, while Kaffir corn and sorghum are used to the eastward more as catch crops. Sorghum makes good ensilage and its habit of growth is such as to practically insure a crop under all weather conditions. It is destined to become vastly more popular and already there has been organized a Kaffir corn club in one Kansas county which proposes to hold a Kaffir corn carnival at Eldorado in the near future.

The boys and the girls are the best crop that can be grown on the farm and, like other crops, they need to be cultivated. School training is as necessary to the boy as is plowing to the corn, but, as the boy belongs to a higher order of life, he needs more. The school training is vital to the boy, but the home training is equally so. The boy must make a living for himself and possibly for others. In addition to the school training, he should have a business training and this is best found under the tutelage of the home.

Interest centers about the big reunion and home-coming celebration to be held at Topeka on September 25 to 27, not only because of its patriotic character and the fact that it is the big meeting of the old boys of the G. A. R., but also because, its last day marks the occasion of President Taft's first visit to Kansas. Mr. Taft has probably visited Kansas before, but President Taft never has, and special efforts will be put forth to provide a big occasion in honor of the big President of a big nation.

Under the new road law, Kansas counties are authorized to levy 10 cents on each \$100 valuation for road purposes. Several counties have taken advantage of this and good roads are in prospect within their boundaries. Lyon county will thus have \$70,000 available and Allen county \$30,000, which ought to help.

CHEMICAL AIDS.

Time was when the average farmer would have scoffed at the idea of calling upon science to aid him in his work, but that time has long since passed for the most of us and we now welcome any aids that science can bring.

And these aids are legion. Their number and their importance in our daily lives is increasing though they are still not appreciated to the full. We each can name many that we use daily, but there are doubtless many others that are also used without thought, or a knowledge of the investigation which made them available.

Vaccination, the serum treatment and anaesthetics are now familiar applications of science in medicine, and the sprays, dips and drenches in veterinary practice. Crops suffer as well as animals and man, while noxious plants as well as insects must be destroyed. Here science steps in to aid, as instance the destruction of dandelions by a spraying. This is a pestiferous plant, very hard to control. Science has discovered that the waste product from the big iron mills which was formerly dumped into the streams, to their destruction as things of beauty as well as water supply, is just the thing to aid the farmer or the city lot owner in the rapid destruction of this and other noxious weeds, and this without injuring the grass.

Sulphate of iron, or green vitriol, when thoroughly dissolved in water in the proportion of 1-4 to 1-2 pounds per gallon and sprayed with force upon the growing plants will kill the dandelions and do no harm to the blue grass. Several applications may be necessary during the season in order to catch the young plants which appear after the first spraying.

Formaldehyde is another chemical of wide usefulness as a disinfectant, for the destruction of the smuts in seed wheat and, when mixed with a little sugar and water, for the killing of flies about the house and barn.

These are only mentioned as illustrations, but they are so cheap and so efficient that one cannot afford to be without them.

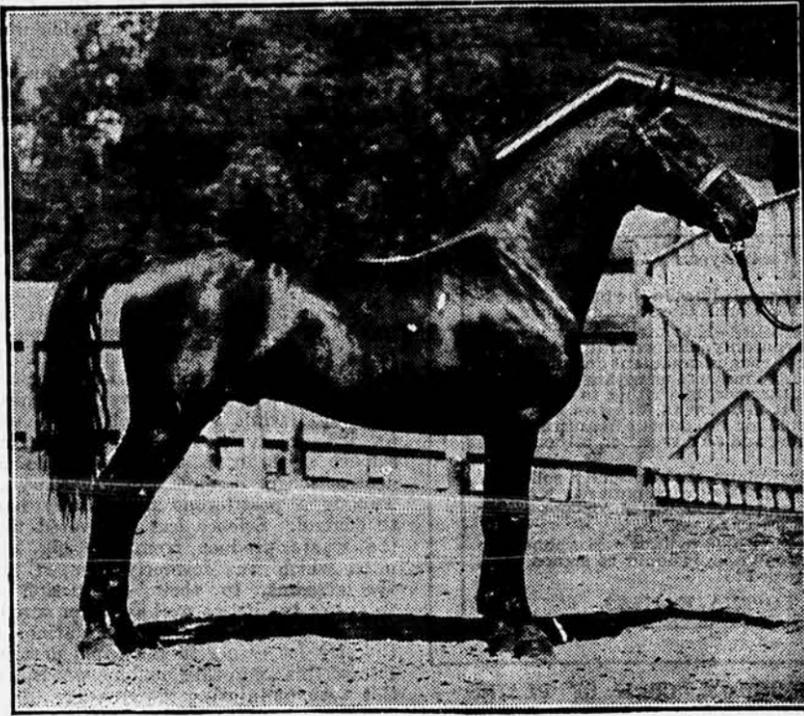
That agricultural methods are improving is most forcibly shown by the government census figures. According to these a considerable number of states showed a decrease in farm population and yet the agricultural products have increased. This condition is due to the study of farm problems, which encourage better seed, better cultural methods and better machinery. It has been estimated that the farmer of today can do six times the work that his father could do and do it very much better. This fact is due, in a very large sense, to the general use of improved machinery and is valuable in many ways, but especially in confronting the argument of those who insist that America is on the verge of starvation because of the rapid growth of population.

It seems very curious that the small-pox epidemic which the newspapers say has lately ravaged Topeka should have been practically unknown in the city itself. In a general sort of way the residents of the Capital had heard that there were a number of cases of small-pox in the city, but no one seemed to think there was ever any threat of an epidemic, and business went on in its accustomed way. It was the same old story of an untruth traveling faster than a fact.

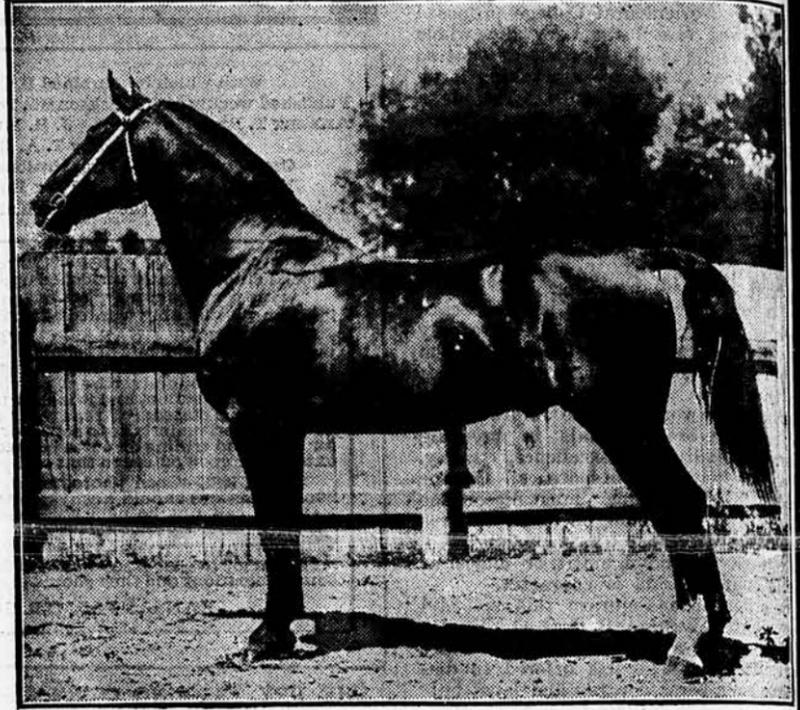
The naming and recording of farmsteads, which was provided for by the last Legislature, seems to be only partially popular. Probably more farm names are registered with the county clerk of Shawnee than of any other county, and yet they number less than twenty. Surely, there is merit in the idea that you can record the name of your farm at an expense of only \$1.00, and thus secure a permanent right to it in your county.

Kansas City is the market place of Kansas, and the center of the horse and mule industry. When the government troops went to patrol the Mexican border, the army order for 700 head of mules was promptly filled there, and an army order for 500 cavalry horses for the Philippine service also has just been filled.

CREATING A NEW BREED



ALBION, A FIVE YEAR OLD SON OF CARMON AND THE FIRST MATURE HORSE BRED AT THE GOVERNMENT STATION AT FORT COLLINS, COLO



BALFOUR, A FOUR YEAR OLD SON OF CARMON, BRED AT THE GOVERNMENT STATION AT FORT COLLINS, COLO.

Given plenty of time and a knowledge of the laws of breeding gained from long experience, mankind has been able to produce the various breeds of farm animals as we now know them. In the creation of these breeds the parent stock has always been very prepotent and of great vigor, and by careful selection, with the occasional outcross of other blood lines, this has brought the breeds to their present perfection.

Such breeding operations have, however, been almost wholly confined to the improvement of the stock that was found indigenous to the countries wherein the breeds have originated. Thus, the Hereford was created by a careful selection and good feeding of the native cattle found in Herefordshire, and hundreds of years have been required to bring these wonderful beef cattle up to the present type.

Rarely has a useful breed been created under other circumstances, and never in a short period of time. The Polled Durhams are frequently thought of as being a comparatively new breed, and yet they are simply Shorthorns produced through centuries of effort.

Crosses between breeds may produce a hybrid having useful qualities, but they do not produce a breed. The mingling of the blood of several or many breeds will produce a mongrel, but not a breed.

A breed is composed of animals that have the same general appearance and characteristics which they reproduce accurately under the laws which govern heredity. A Hereford always has the white face, the beef making qualities and the early maturity of his parents. A Poland China cannot be mistaken for any other breed, unless some accident or carelessness, intervenes.

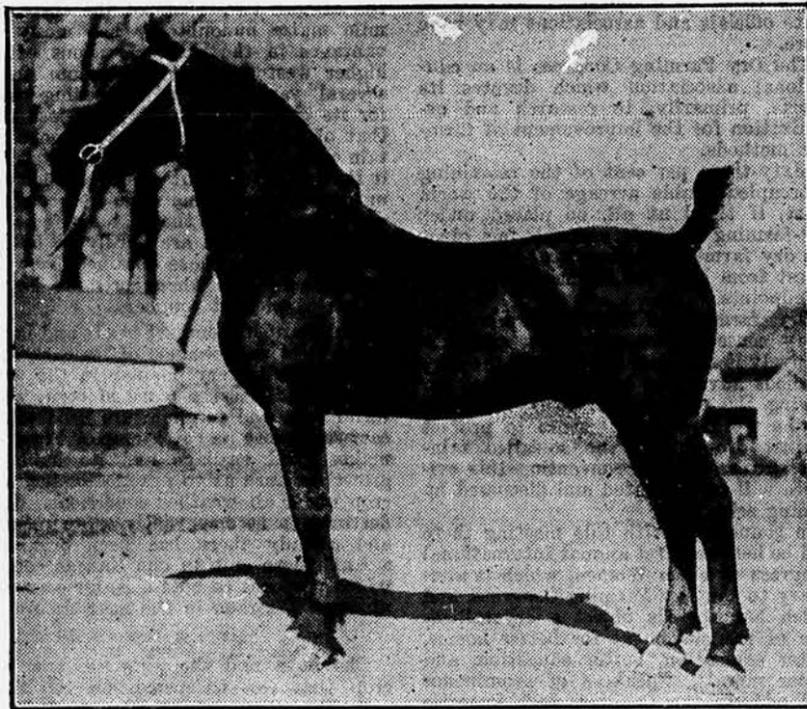
These things being true, it would seem to be a huge undertaking for anyone to try to create a new breed, and perhaps no one man could do it. A government could accomplish such results, or a family, because then the element of time would be provided for, and this is what makes the results obtained at the Government Horse Experiment Station at Fort Collins, Col., seem all the more remarkable for, apparently, it has created a new breed of horses in the short period of six years.

About seven or eight years ago experts in the Department of Agriculture became convinced of the desirability of an American-bred carriage horse, and the wheels were set in motion to create this new and purely American breed for the benefit of the farmers and other citizens who needed that type.

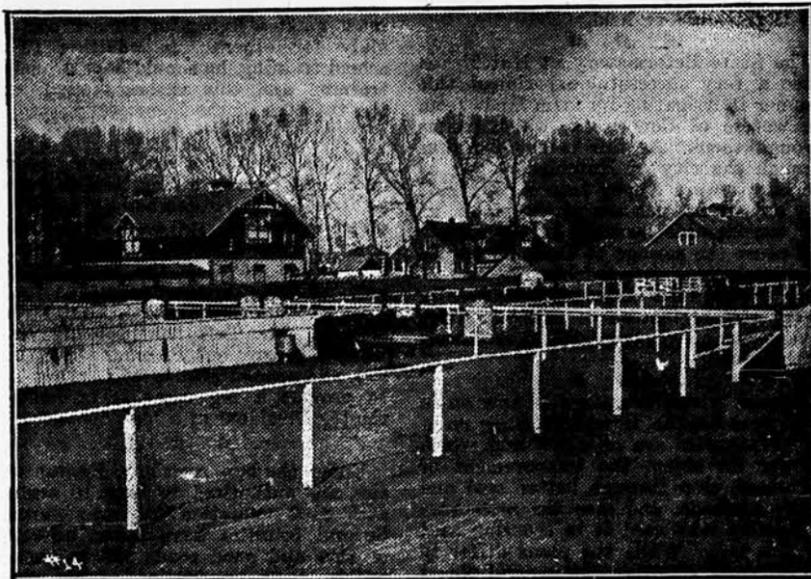
French Coach horses were objected to by many because they were too light of bone and weight, though they had style and action in abundance. The Oldenburgs were criticized because of their lack of action and spirit and their tendency towards the draft type.

What was needed was a type of horse that had size and weight enough to walk away with the family carriage and that possessed the style and action which is

Science and Sound Judgement Produce Remarkable Results



CARMON 32917 BY CARNIE 8405 BY ROBT M. MCGREGOR 647 AT HEAD OF GOVERNMENT STUD. AT FORT COLLINS, COLO



GOVERNMENT HORSE BREEDING STATION AT FORT COLLINS, COLO.

so much valued by the owner. At the same time this horse must have plenty of bottom, and these ideal requirements led the special board to proceed as it did. Perhaps no horse in the world was ever more famous for its powers of endurance, its beauty or form, its kindly disposition and its graceful action than the old Vermont Morgan, which was a purely American breed. On the other hand, the American Standard-bred has no superior in the world.

Neither of these has the size and weight required to fill the ideal requirements of the American carriage horse, but it was thought that a combination of their blood lines might produce the desired result and, apparently, the result has justified the position taken by the Board of Control.

This Board made a careful search of the country for animals suited to the purpose and selected as a herd head the Standard-bred stallion Carmon 32917 who was bred by Norman J. Coleman, the first Secretary of Agriculture.

Carmon was sired by Carnegie 8405, by Robert McGregor 647. His dam was Monitor Maid vol. XI by Monitor 132. He is now 10 years of age and as sprightly as a colt, as may be guessed from his picture shown above.

Carmon was used in the herd upon a number of mares, mostly of Morgan breeding, and his first colt, after going into the government stud, was Albion whose picture is also shown herewith. Albion stands 16 1/2 hands high, weighs 1325 pounds in his everyday clothes, sounds as a dollar, and approaches his sire in spirit, style and action. He greatly exceeds his sire and dam in size and weight.

His half-brother, Balfour, also pictured, is a year younger and, by some is thought to be the better horse, in spite of his long back. Perhaps Albion is trifle high in the tail head, but otherwise he fills the eye as a perfect animal for his purpose.

The proof of the work done by the Board lies not in the breeding of so perfect a type of carriage horse as is Albion, but in the fact that his colts possess his characteristics in a remarkable degree. This seems to show that in the splendid young stallion, which is the one yet matured at the Station, the Board has succeeded in the seemingly impossible task of creating a new breed of horses within the short space of six years.

The Board of Control of the two Government stations, the other being in Vermont, the home of the Morgan horse, composed of Geo. M. Rommel, Animal Husbandman of the Department of Agriculture; Dean Chas. F. Curtis of the Iowa Agricultural College, and Prof. L. Carlile, then of the Colorado Agricultural College, but now in the Idaho College. The breeding operations at the Colorado station are under the direction of Superintendent John O. Williams, whom much credit is due for their success.

THE IOWA STATE FAIR

Fifty-seventh Annual Exposition The Greatest in the History of the State

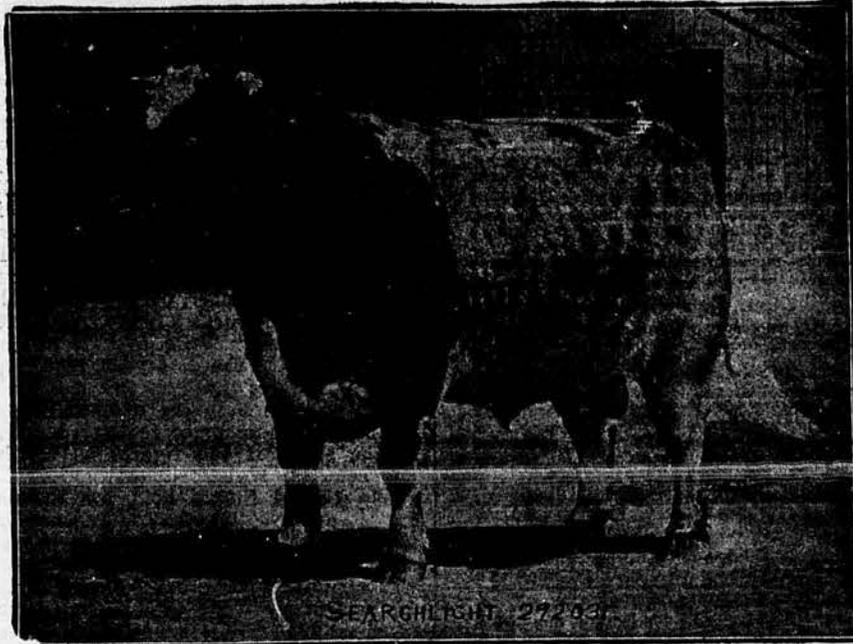
Iowa is a great state and differs from others in that practically every foot of her broad area is plow land. This fact, together with her climatic conditions, almost compelled her people not only to become farmers, but to excel in agriculture and live stock.

In the development of their state, the citizens have adopted all reasonable means to foster the agricultural and live stock interests, and among these means have always been the Agricultural College at Ames, which has a world-wide reputation, and the State Fair at Des Moines, which is scarcely less known. Iowa is not so large in area as Kansas, but she is a big state and she does some things better. She started her state fair 57 years ago and it has grown little each year, until it ranks with few others in national importance as one of the greatest expositions of its kind in the United States.

The attendance, this year, broke previous records, and reached 62,000 paid admissions on a single day, with an aggregate attendance for the week that totals considerably above that of last year. The reason why people go in such numbers, why every railroad brings in daily excursions, and the city of 125,000 population is taxed to its capacity to entertain them is not far to seek. They go to this state fair to see the products of their farms; their breeding establishments, their feed lots, orchards, gardens, factories, mines. And they get their money's worth many times.

Although the Iowa State Fair has about a million dollars invested in the beautiful buildings and grounds, these have not cost the state anything. True, the state did appropriate money with which to establish its great fair, but this has been repaid and the institution is now self-supporting, and has been so for many years.

Seventy thousand dollars were spent in the erection of the swine pavilion alone and more than 3,000 head of porcine aristocrats find a comfortable home



SEARCHLIGHT, GRAND CHAMPION SHORTHORN BULL AT THE AMERICAN ROYAL OF 1910 AND A TYPE OF KANSAS PRIZE WINNERS.

and proudly display their prizes during fair week. Other buildings are equally expensive and equally adapted to their uses, but as the hog is a most important element in the agriculture of the state his comfort was assured.

As Iowa holds the first of the great state fairs each season, and as it is recognized as of more than state-wide importance, its show rings are the proving grounds in the battle for supremacy.

Here the herds, flocks and studs gather to receive their assignment in rank before dispersing to other fairs in pursuit

of new honors. After this show, the herds go to the east and west, where they still contest with each other to some extent, though more often with local herds. At the end of both the eastern and western cornbelt circuits, stands the American Royal at Kansas City, and that animal which can win in Iowa and still be a winner in the American Royal, is indeed perfect.

For the reasons just named, the Iowa fair is one of the greatest horse shows of the country. Especially is this true in regard to draft horses. Having many

breeders of her own, and being located adjacent to states noted for their horses, Iowa finds profit in these great expositions of draft horses, the standard farm power.

For the same reason, Iowa excels in her cattle exhibits, especially those of the beef breeds, though she is not behind in her showing of dairy cattle, as well. Kansas breeders who show at the Iowa fair and win prizes have the assurance that they have met and defeated some of the best animals in the country. So, when Tomson Brothers, of Dover, with their splendid herd of young Shorthorns, or Robert H. Hazlett, of Eldorado, with his equally good Herefords, can show against the best breeders who come here from many cornbelt states, and win high up in the money, surely Kansas cattle are of quality.

To the citizens of other states, the Iowa State Fair is of immense value, not only for the object lessons which it teaches, but as an example of what may be accomplished by persistent and well directed effort. Large sums of money in state appropriations are not necessary for the maintenance of such an institution, though such money is always a good investment, but a state appropriation is necessary for its establishment and for its care in infancy. When once the state fair is in good working order, no further appropriations are necessary from the state for its support.

Having in mind the good of the people of his state, the secretary of this great fair has planned for the time when the equipment shall be complete and the gates of the fair can be thrown wide to the public for free admission. The concessions will pay all of the running expenses and the admission fees will not be needed, nor will the state be called upon to appropriate money for maintenance. Thus will this state have a great school, whose importance cannot be measured and whose whole resources will be free to the people. Iowa sets a good example in state fair management for some of her sister states.

THE NEBRASKA STATE FAIR

Larger Attendance, Greater Display Than Ever in Forty-three Years

That Nebraska appreciates her state fair is shown by the greatly increased attendance and number of exhibits that were to be found on her fair grounds during the week of her forty-third annual state exposition. This is another of the successful state fairs that is clean and wholesome and educational. It is free from the questionable side shows and other objectionable features which have too often characterized state and other fairs in the past. And then it is brim full of interest for everybody, and that is why Nebraska people turn out in such numbers to see it. That, and because of their patriotism and the many benefits which they get in return for the entrance fees.

With 7,000 more people on the first day; a very much larger display in every department, fine weather and a general air of good feeling and prosperity over the grounds, what wonder that the Monday crowd came back and brought their friends.

Nebraska State Fair has always been strong in live stock and agricultural exhibits, but it excels in the farm machinery display. Being an agricultural state and rich, the manufacturers vie with each other in bringing their best to Lincoln. It is a wonderful show of these implements and machines which have helped the plains farmer to conquer the Great American Desert and which have placed him so many leagues ahead of his brothers in other states and countries.

Another strong feature of this fair is to be found in the county collective exhibits of agricultural and horticultural products. No matter how bad the season, nor how adverse the weather conditions have been during the growing season, there is always something worth while in the agricultural hall, and this fact explains, in large part, the success of this fair. It is because of the interest and co-operation of her citizens that the fair is a winner. The officers, no matter how competent, cannot make a fair without the co-operation of the people, and no state fair, any more than any other great undertaking, can succeed without it.

Naturally, the Nebraska State Fair is one of the best at which to exhibit draft

horses, and the entries in this department numbered over 200, while the beef cattle and hogs were even more in evidence than in former years. The story of their winnings in the prize ring is best told in the following report of awards:

PERCHERONS.

Open Classes.
Exhibitors—Rhea Bros., Arlington, Neb.; W. S. Corsa, White Hall, Ill.; F. W. Moir, Ord City, Ia.; Maasdam & Wheeler, Fairfield, Ia.; John Clipton, Albion, Neb.; T. B. Bowman & Son, Boone, Neb.; Wolfe Bros., Albion, Neb.; W. H. Kerr, Bennington, Neb.; Watson, Woods Bros. & Kelly Co., Lincoln, Neb.; G. M. Clark, Raymond, Neb.; E. J. Quiter, Albion, Neb.; E. C. Kennedy, St. Edwards, Neb.; Dan Cahill, St. Edwards, Neb.

Judge—J. E. Winslow, Birmingham, Ia.
Aged Stallions—1, Maasdam & Wheeler on Gillott; 2, Dan Cahill on Duc; 3, Watson, Woods Bros. & Kelly on Garvis; 4, Clipton on Aspirant. Three-year-olds—1, Rhea Bros. on Loriat; 2, Watson, Woods Bros. & Kelly Co. on Imbroglio; 3, Watson, Woods Bros. & Kelly Co. on Inicfill; 4, Clipton on Fear Not. Two-year-olds—1, Watson, Woods Bros. & Kelly Co. on Jars; 2, Rhea Bros. on Albienda; 3, Maasdam & Wheeler on Ashur; 4, Clark on Trixy. Yearlings—1, Rhea Bros. on Pilot; 2, Wolf Bros. on Graceler; 3, Rhea Bros. on Husky; 4, Rhea Bros. on Franzette. Stallion Foals—1, Quiter on Jeffers; 2, Kerr on Andaim; 3, Clipton on Success; 4, Kerr on Clip.

Aged Mares—1, Maasdam & Wheeler on Amorita; 2, Corsa on Della; 3, Maasdam & Wheeler on Gredine; 4, Kerr on Zemba. Three-year-olds—1, Bowman & Son on Babine; 2, Bowman & Son on Madeline; 3, Corsa on Vernet; 4, Maasdam & Wheeler on Hester. Two-year-olds—1, Corsa on Esther; 2, Corsa on Radzgirl; 3, Corsa on Radonette 11th; 4, Clipton on Black Beauty. Yearlings—1, Rhea Bros. on Mastella; 2, Moir on Maple Lawn Pansy. Mare foals—1, Wolf Bros. & Kennedy on Harriette; 2, Corsa on Maud Carnot; 3, Clark on Hattie. Champion Stallion—Maasdam & Wheeler on Gillot. Champion Mare—Maasdam & Wheeler on Amorita.

Percheron Society Specials.
Champion Mare Any Age—1, Maasdam & Wheeler on Amorita; 2, Maasdam & Wheeler on Jester; 3, Wolf Bros. & Kennedy on Harriette. Champion Group (3 mares)—1, Maasdam & Wheeler on Amorita, Hester and Lora. Get of Sire—1, Corsa on Radziwell; 2, Moir on Toreador. Produce of Mare—1, Clark; 2, Clipton; 3, Moir.

Stud (stallion and 4 mares)—1, Maasdam & Wheeler; 2, Moir.

Group (5 stallions)—1, Watson, Woods Bros. & Kelly Co.; 2, Rhea Bros.

Champion Stallion—Maasdam & Wheeler on Gillot; Reserve, Watson, Woods Bros. & Kelly Co. on Jars.

Champion Mare—Maasdam & Wheeler on Amorita; Reserve, Corsa on Della.

Clydesdales and Shires.

Exhibitors—Peter Hopley & Son, Lewis, Ia.; Maasdam & Wheeler, Fairfield, Ia.; Peter Johnston, Hickman, Neb.; King Bros., Albion, Neb.

Judge—J. E. Winslow, Birmingham, Iowa. (Names of some animals were not available from their owner.)

Aged Stallions—1, Hopley & Son; 2, Watson, Woods Bros. & Kelly Co. on Bardar Foster. Three-year-olds—1, Hopley & Son; 2, Watson, Woods Bros. & Kelly Co. on Nallstone Lexion; 3, King Bros. on Greenhame Pride; 4, Watson, Woods Bros. & Kelly Co. on Nallstone Wagoner. Yearlings—1, Johnston on Captain; 2, King Bros. on Dessamore. Foals—1, King Bros. on Prince; 2, Johnston on Lord Harry.

Aged Mares—1, King Bros. on Lucile's Choice. Three-year-olds—1, Hopley & Son. Two-year-olds—1, Hopley & Son; 2, Watson, Woods Bros. & Kelly Co. on Nallstone Moonlight; 3, King Bros. on Bird. Yearlings—1, King Bros. on Brown King.

Champion Stallion—Hopley & Son. Champion Mare—Hopley & Son.

American Bred Stallion—King Bros. on Captain.

American Bred Mare—King Bros. on Lucile's Choice.

Belgians.

Exhibitors—Peter Hopley & Son, Lewis, Ia.; Swanson & Kennedy, St. Edwards, Neb.; Watson, Woods Bros. & Kelly Co., Lincoln, Neb.; Wolf Bros., Albion, Neb.; Maasdam & Wheeler, Fairfield, Ia.

Judge—J. E. Winslow, Birmingham, Iowa.

Three-Year-Old Stallions—1, Watson, Woods Bros. & Kelly Co. on Patin. Two-year-olds—1, Swanson & Kennedy on Jupiter. Yearlings—1 and 2, Hopley & Son.

Aged Mares—1 and 2, Wolf Bros. on Barbona de Steen and Rustico Onst. Three-year-olds—1, Swanson & Kennedy. Two-year-olds—1 and 2, Maasdam & Wheeler on Wesse and Orlette.

Champion Stallion—Watson, Woods Bros. & Kelly Co. on Patin.

Champion Mare—Maasdam & Wheeler on Wesse.

Shorthorns.

Exhibitors—E. M. Hall, Carthage, Mo.; Rapp Bros., St. Edwards, Neb.; Howell Reese, Pilger, Neb.; C. A. Saunders, Manilla, Ia.; A. C. Shallenberger, Alma, Neb.; Retzlaff Bros., Bennett, Neb.; C. S. Nevius, Chiles, Kan.; C. F. Mitchell & Son, Farragut, Ia.; Tomson Bros. Dover, Kan.; R. B. Baird, Central City, Neb.; Owen Kane, Wis-

ner, Neb.; L. T. Frederick & Sons, Memphis, Neb.; S. A. Nelson & Son, Malcolm, Neb.; R. Wilde, Genoa, Neb.; Crossgrove & Chappel, Farnam, Neb.

Judge—C. D. Bellows, Maryville, Mo.

Aged Bulls—1, Hall on Hallwood Stamp; 2, Hall on Golden Grove; 3, Nevius on Hallwood Goods; 4, Rapp Bros. on Royal Cumberland; 5, Nelson & Son on Burwood Sultan. Two-year-olds—1, Saunders on Cumberland Archer 2d; 2, Tomson Bros. on Imperial Victor; 3, Shallenberger on Imp. Scottish Sentinel. Senior yearlings—1, Saunders on Royal Cumberland; 2, Shallenberger on His Highness; 3, Tomson Bros. on Masterpiece; 4, Nevius on Searchlight, Jr.; 5, Rapp Bros. on Foxy Favorite. Junior yearlings—1, Nevius on Prince Valentine 4th; 2, Rapp Bros. on Cash Tip; 3, Mitchell & Son on True Cumberland 2d; 4, Saunders on Prince Cumberland; 5, Baird on Governor. Senior bull calves—1, Kane on Wellington Nugget; 2, Reese on Royal Goods; 3, Tomson Bros. on Royal Knight; 4, Rapp Bros. on Grand Master; 5, Hall on Hallwood Lad; 6, Nevius on Searchlight Lad. Junior bull calves—1, Saunders on True Cumberland 3d; 2, Kane on Proud Afton; 3, Kane on Harvester; 4, Rapp Bros. on Village Pride; 5, Retzlaff Bros. on Snowflake's Favorite; 6, Nevius on Searchlight, Jr.

Aged Cows—1, Nevius on Lady May; 2, Shallenberger on Maud 50th; 3, Saunders on Lake Park Senora; 4, Rapp Bros. on Dorothea 5th; 5, Frederick & Sons on Cheerful 3d. Two-year-olds—1, Tomson Bros. on Daisy Queen; 2, Hall on Countess Hallwood 3d; 3, Nevius on Nelle Barmpton; 4, Saunders on Minnie 4th; 5, Rapp Bros. on White Lily. Senior yearlings—1 and 2, Reese on Violet Goods and Cedarlawn Alice; 3, Saunders on Sweet Cumberland; 4, Hall on Hallwood Dot; 5, Tomson Bros. on Naomi. Junior yearlings—1 and 3, Saunders on Bonnie Cumberland and Mildred Snowball; 2, Reese on Sittyton Goods; 4, Rapp Bros. on Queen of Hearts; 5, Tomson Bros. on Happy Lady. Senior heifer calves—1, Rapp Bros. on Pleasant Mildred; 2, Reese on Sylvia Goods; 3, Nelson on Mary Sultan; 4, Reese on Lady Violet 5th; 5, Retzlaff Bros. on Golden Carmine. Junior calves—1 and 3, Saunders on Gipsey Cumberland and Gipsey Cumberland 2d; 2, Hall on Countess Hallwood 5th; 4 and 5, Shallenberger on Maud 54th and Maud 55th; 6, Rapp Bros. on Bright Bell.

Senior Champion Bull—Hall on Hallwood Stamp.

Junior and Grand Champion Bull—Saunders on Royal Cumberland.

Senior Champion Female—Tomson Bros. on Daisy Queen.

Junior and Grand Champion Female—Reese on Violet Goods.

Aged Herds—1, Nevius; 2, Saunders; 3, Shallenberger; 4, Rapp Bros. Young herds—1, Reese & Son; 2, Saunders; 3, Rapp Bros.; 4, Tomson Bros. Calf herds—1, Saunders; 2, Reese; 3, Hall; 4, Kane.

Get of Sire—1, Saunders on Cumberland's Last; 2, Reese on Ruberta's Goods; 3, Tomson Bros. on Barmpton Knight; 4, Hall on Choice Goods Model.

(Continued on page 7.)

The Great MAJESTIC Malleable and Charcoal Iron RANGE

Why It Should Be In Your Kitchen

Before deciding upon a range, the wise woman will examine closely into the superior points of merit of the *Great Majestic*—the range with a reputation, built on honor—of the best materials. Read some of them:

Outwears Three Ordinary Ranges
It is the only range made entirely of malleable iron and charcoal iron. Charcoal iron won't rust like steel—malleable iron can't break, and while the first cost of a *Great Majestic* may be more than others, it outwears 3 ordinary ranges.

Perfect Baker—Fuel Saver
The *Majestic* is put together with rivets (not bolts and stove putty) making it absolutely air tight, like an engine boiler. The joints and seams will remain air tight forever as neither expansion, nor contraction can affect or open them. The oven is lined with guaranteed pure asbestos board, 3/4 inch thick, covered

with an iron grate—put there to stay—you can see it. No heat escapes, or cold air gets into the oven, thus with but half the fuel used in other ranges, you get an absolutely even, dependable baking heat.

Copper Movable Reservoir
Heated like a tea kettle through copper pocket (stamped from one piece of copper) setting against left hand lining of fire box. Boils 15 gallons of water in a few moments and, by turning lever, the frame—and reservoir—moves away from fire. This feature is patented—found only on the *Majestic*.

Other Exclusive Features
All doors drop down and form perfect and rigid shelves. No springs anywhere to get out of fix. *Malleable oven racks* slide out automatically, holding anything they contain. *Open end ash pan*—no more shoveling ashes out of ash pit. *Ventilated ash pit* prevents floor from burning. *Ash cup* catches ashes that would otherwise fall on the floor. It's the best range at any price, and should be in YOUR kitchen.

Ask Your Dealer About The Greatest Improvement Ever Put In A Range

Don't buy any range "unsight, unseen"—what ever range you buy get it from a local dealer—and it will pay you to drive many miles to closely examine the *Majestic* before investing your money in any range. The *Majestic* is for sale by the best dealers in nearly every county in 40 states. Write for our booklet, "Range Comparison." Every farmer's wife should read it before buying any other range.

Majestic Mfg. Co., Dept. 140 St. Louis



Made In Four Other Patterns

The Range With A Reputation

GALLOWAY



IS DETERMINED TO PLACE 10 ENGINES IN EVERY TOWNSHIP IN THE NEXT SIX MONTHS

LET me tell you what this means. It means that the first ten men from your township, who answer this announcement, will get a proposition, in the engine they need, as good as a gift from \$25.00 to \$300.00 according to the size wanted. If you want a small engine—for pumping, etc.—this proposition will be like a gift of \$25.00 to \$40.00 in cash. If you need a larger size—as much as 25 h. p.—my proposition is as good as \$300.00 cash in your pocket.

Why donate from \$25.00 to \$300.00 extra when you buy your engine direct? Why hand out this money to dealers and jobbers when my proposition will enable you, if you're one of the first ten in your township to write, to pocket the entire amount yourself. My advice is—be one of the first ten. It doesn't matter what you need the power for—

Pumping—Irrigation—Silo Filling

threshing or general farm work. There is a Galloway to fit and it will do the work as well or better than any other, or back comes the engine and back goes your money. You know what that means. Such an offer would be absurd if there was a single engine on the market at any price that could beat mine in work, convenience, simplicity, economy or durability and quality.

I'm making this offer—this sacrifice of profit to insure ten satisfied customers in every neighborhood within the next six months. Those ten will send me scores more from everywhere. When those engines get placed, this country will know the truth about Galloway engines and Galloway value. Then the people can turn a deaf ear, once for all, on the ridiculous arguments cooked up by those who sell on the old many-profits system, and compel the buyer to donate from \$25.00 to \$300.00 to them. Remember—my factory capacity is doubled now—there are new low prices all down the line, on highest possible quality. No manufacturer in the world can make a higher quality engine at any price. Don't let them fool you by quality talk as excuses for high prices. If I sold the same way they do I'd have to get the same high prices.

Write me quick for Free Book and get my "first 10 men" offer. Don't delay a day. "Get on the 'First 10 list.'" Address

WM. GALLOWAY CO., 385 Galloway Station, Waterloo, Iowa.



The New Galloway Best of The Farm
1 1/2 H. P. Air Cooled \$27.50 All Ready to Use

Great Streams of Water at Low Cost
Pump Jack \$3.95

A Correction.
The Annual Gold Medal Contest of the Missouri Auction School was held Wednesday night, August 23, 1911, at the assembly room of the court house, the following states and representatives taking part: Iowa, Will W. Allsup; Oklahoma, J. I. Corbett; Nebraska, C. A. Davidson; Indiana, I. J. Eads; Illinois, John M. Janes; Ohio, C. I. Powell; S. D., L. L. Smith; Kansas, Floyd L. Scott; Missouri, Robert Wachtel; Col. L. L. Smith of South Dakota winning the medal with a close call with C. I. Powell of Ohio for first honors and Floyd L. Scott of Kansas rubbing both close. All the contestants did well and showed commendable effort. The closing work will be held this forenoon in the presentation of the diplomas.—Trenton (Mo.) Daily News.

Auction School Banquet.
The annual banquet given by Colonel and Mrs. Carpenter to the students of the Missouri Auction School was given Thursday evening, August 31, last, and as on previous occasions was an elaborate affair. More than 100 guests were present and for more than two hours those present enjoyed the hospitality of their leaders and teachers. The refreshments were served on the lawn, which was well lighted with electric lights. Many of Trenton's young ladies responded to the call of Colonel Carpenter to help entertain the pupils of his school. Many of the students' wives were present and enjoyed the evening with their husbands. The entire enrollment of ninety-eight, with two or three exceptions, were present.

Live Stock Improvement

United Effort Will Bring Results Beyond The Reach of All Individual Efforts

By G. C. WHEELER, Kansas State Agricultural College

Although the use of pure-bred sires is the only rapid and economical means of improving our farm live stock, the number of such animals in use is astonishingly small. Statistics show that not to exceed 1 per cent of all cattle in the United States are registered and the per cent in Kansas probably runs no higher. The percentage of pedigreed horses is even smaller. While there is no statistics as to the number of bulls of grade or scrub breeding in use, it must be very large. There were two and one-half million cattle in Kansas in 1910 according to Secretary Coburn's report. Of this number, 641,570 were milk cows. If one-fourth of the remainder were cows, there were over a million cows in Kansas the past year, requiring, at the rate of thirty cows per bull, 37,000 bulls, a number 12,000 in excess of the total number of registered cattle in the state, if the figures as to the per cent of registered cattle for the whole United States hold for Kansas. It is evident that a large proportion of the bulls in use are not registered animals. The great variety of colors which appear among our common cattle are evidences of this promiscuous system of breeding. There is not only a mixture and variety of color to be noted, but animals of both dairy and beef type in the same herds. There is probably no one single indication of good blood in animals so quickly noted by the casual observer as that of color. We never hear of a load of cattle of mixed breeding topping the market at our great live stock centers. Come certain breed will invariably be found to be winning that distinction, due to their great uniformity in size, color, form and finish.

Statistics show that we have almost a million horses in Kansas at the present time, their value being given at \$117 per head. The figures of the Stallion Registry Board show that but 2,500 of the 6,365 stallions used by the owners of these horses are of pure breeding. The marked inferiority of our stock of horses is a fact of common comment.

In bringing about the improvement of our farm live stock there is probably nothing which would so hasten the results desired as more community of interests and general co-operation among the producers of live stock and live stock products. The great centers of the world for the improvement of live stock stand as monuments to the advantages of these methods of improvements. All our leading breeds of farm animals have been developed under such conditions. Nothing but Jerseys have been bred on the Island of Jersey for generations. The same is true of Guernseys on the Island of Guernsey, and of the Holstein cattle in Holland. Our great breeds of beef cattle have been developed in the counties, or shires, of England and Scotland by community methods which have practically excluded all other breeds from the respective shire or community. Our leading breeds of horses, sheep and hogs have been developed under similar conditions.

The results of such limiting of breeds in a community has a few notable examples in the United States, the most progressive state along this line being Wisconsin. Already over thirty community breeders' associations have been formed in that state representing dairy breeds of cattle. The results around the small town of Lake Mills are but typical of the prominence of these various organizations, in building up the breed represented. This town has become noted as the greatest Holstein center of the Middle West, cattle having been shipped all over the world from this point, as high as \$175,000 having been received in one year from the sales of surplus stock. Similar results have been secured among the leading dairy breeds in other communities of the state. The Waukesha Guernsey Breeders' Association, which was organized in 1906 in Waukesha county, has become a famous Guernsey center.

There seems to be no good reason why this same spirit of co-operation and community interest could not be as successfully employed in hastening the more rapid movement of the farm stock in Kansas. This method has been employed to some extent in the introduction of stallions for breeding purposes. The amount of money required to secure a really good pure-bred horse practically prohibits an individual from owning one for grading up his own stock, and the

reluctance of the general public to pay the higher breeding fee necessary has practically forced the organization of companies for the introduction of high class registered stallions. The method employed in the formation of these companies is largely responsible for the dissatisfaction which has followed in the wake of many of the company horse deals. They have been organized by outside parties, in most cases with no other interests than to get the horse unloaded on the community at the highest price possible, get their money or bankable notes, and leave. There is absolutely no reason why a few reliable business men in a locality cannot make a success of the purchase of a desirable, high-class stallion for use among themselves and neighbors for breeding purposes. If they will carefully canvass the situation and so manage the organization of the company that all the details are worked out in advance of the purchase of the horse, money will be saved and in most cases a far better animal secured. A company organized in this manner composed of individuals selected with the idea of thorough harmony and co-operation, will be far more sure of success than those which have been organized by the parties having the horses for sale.

A few organizations have been formed in Kansas to encourage the improvement of our live stock, such as, The Improved Stock Breeders' Association of Mitchell County, The Woodson County Breeders' Association, The Marshall County Hereford Breeders' Association, The Dickinson County Shorthorn Breeders' Association, The Rice County Improved Stock Breeders' Association, and others. These associations are having their beneficial effects and can be made much more useful with a general arousing of interest in better stock throughout the communities represented.

In order to hasten the introduction of pure-bred sires, the organization of co-operative breeding clubs or associations seems to be the most effective agency. By this means the man with a small number of females may secure the use of a high-class pure-bred sire, and the usefulness of these sires can be much more widely extended. The fact that many of our horse companies have been unsatisfactory, owing to methods employed in their organization, need not deter a group of men from banding themselves together for such purposes. The organization of such live stock producers in Michigan was undertaken in 1907, and thirty co-operative bull associations have been formed under the direction of field agent of the agricultural college of the state. The aim has been to urge the individual ownership of pure-bred males as far as possible and also to promote the joint ownership of breeding sires where individual ownership could not be brought about. The agent aids in the organization of individuals so interested and supplies them assistance in the selection of sires by furnishing lists of available animals and reference to reputable breeders. Much other assistance along educational lines has been given by this special agent of the agricultural college. The plan in the co-operative bull associations, which have been the only ones organized so far, has been to secure pledges from the owners of one hundred and twenty common grade cows to agree on a breed for improvement, and work together.

The owners of cows are divided into groups of forty cows each, and a bull is purchased for each group. A set of by-laws and articles of agreement have been prepared by these Michigan associations to govern their operation. The Agricultural College is most desirous that a better class of live stock should be used by the farmers of the state, and, to help in bringing this about, offers, through the Extension Department, to furnish aid in the formation of breeding associations wherever requests for such help are made by interested parties. The necessary blank forms will be furnished, lists of available sires supplied, expert advice in the selection given, and other help as requested.

Salt is essential for a cow and she should have all she wants. Salt causes the animals to drink water, and a large amount of water is necessary for a flow of milk. Give the dairy cows plenty of salt and let them consume all the water they need.

Nebraska State Fair (Continued from page 5.)

Produce of Cow—1, Saunders; 2, Shallenberger; 3, Rapp Bros.

Herefords.

Exhibitors—Makin Bros., Grandview, Mo.; O. S. Gibbons & Son, Atlantic, Ia.; S. Gabbert, Dea-born, Mo.; Klaus Bros., Kan.; Thompson Bros., West End, Kan.; R. H. Hazlett, Eldorado, Kan.; Harris, Harris, Mo.; O. E. Green, Genoa, Neb.; G. G. Clement, Ord, Neb.; D. E. McConnell, Somerset, Neb.; E. H. Gifford, Lewiston, Neb.

Judge—Thomas Mortimer, Madison, Neb.
Aged Bulls—1, Makin Bros. on Paragon 2d; 2, Klaus Bros. on Beau Onward; 3, Gibbons & Son on General G.; 4, Thompson Bros. on Emancipator 11th; 5, Gabbert on Beau Folly. Two-year-olds—1, Harris on Beau Lad 6th; 2, Hazlett on Beau Sturgies 4th; 3, Green on Parafal 16th; 4, Clement on Hazlett 8th; 5, Klaus Bros. on Fulfiller 11th. Senior yearlings—1, Green on Beau Mischief 11th; 2, Klaus Bros. on Fulfiller 1st; 3, McConnell on Gladys Lad; 4, Gibbons & Son on Weston Boy 3d. Junior yearlings—1, Clement on Sensation; 2, Klaus Bros. on Beau Onward 2d; 3, Makin Bros. on Tempter 3d; 4 and 5, Gibbons on Good Lad and Beau General. Senior bull calves—1, Harris on Repeated; 2, Makin Bros. on Paragon 32d; 3 and 5, Gibbons & Son on King Master and Carnot; 4, Green on Beau Mischief 28th. Junior bull calves—1, Harris on Panama Gay Lad; 2, Hazlett on Boaldo; 3, Clement on Golden Triumph; 4, Makin Bros. on Patrician 4th; 5, Green on Beau Mischief 37th.

Aged Cows—1, Harris on Princess 10th; 2, Gabbert on Miss Filler 2d; 3, Green on Lady Governess 6th; 4, Makin Bros. on Fore-Me-Not; 5, Gibbons & Son on Priscilla. Two-year-olds—1, Hazlett on Bauza; 2, Clement on Vanity Fair; 3, Harris on Harris Princess 125th; 4, Makin Bros. on Goodness 4d; 5, Hazlett on Bloss 2d. Senior yearlings—1, Klaus Bros. on Miss Wilton; 2, Makin Bros. on Clematis 3d; 3, Harris on Harris Princess 177; 4, Gibbons & Son on Carnette; 5, Hazlett on Omelle. Junior yearlings—1 and 2, Harris on Harris Princess 18th and Harris Princess 185th; 3, Klaus Bros. on Miss Wilton 21st; 4, Clement on Constance; 5, Hazlett on Bloss 4th. Senior heifer calves—1 and 4, Harris on Princess Repeater and Harris Princess 215; 2, Gabbert on Queen Folly; 3, Hazlett on Melza; 5, Clement on Sonnet. Junior heifer calves—1, Makin Bros. on Celandine 2d; 2 and 5, Harris on Princess Repeater 3d and Princess Gay Lad 2d; 3, Hazlett on Idylite; 4, Gabbert on Princess Folly. Senior and Grand Champion Bull—Harris on Gay Lad 6th. Junior Champion Bull—Clement on Sensation. Senior and Grand Champion Female—Hazlett on Bauza. Junior Champion Female—Harris on Harris Princess 185th.

Aged Herds—1, Harris; 2, Makin Bros.; 3, Clement.
Young Herds—1, Harris; 2, Makin Bros.; 3, Clement. Calf Herds—1, Harris; 2, Makin Bros.; 3, Hazlett.

Get of Sire—1, Harris on Beau Donald 4th; 2, Makin Bros. on Beau Paragon; 3, Hazlett on Beau Beauty.

Produce of Cow—1, Harris; 2, Hazlett; 3, Clement.

Galloways.

Exhibitors—Straub Bros., Avoca, Neb.; S. Hechtner, Chariton, Ia.; A. O. Huff, Areadia, Neb.

Judge—Prof. W. J. Kennedy, Ames, Ia.
Aged Bulls—1, Hechtner on Douglas Meadow Lawn; 2, Huff on Meadow Lawn Crusader; 3, Straub Bros. on Eloquent. Two-year-olds—1, Straub Bros. on Marquis. Senior yearlings—1, Straub Bros. on Choice Master. Junior yearlings—1, Straub Bros. on Biscourt; 2, Huff on Captain Joe; 3, Hechtner on Royal Douglas. Senior bull calves—1, Straub Bros. on Quarter Master; 2, Huff on Mack Croft. Junior bull calves—1, Straub Bros. on Fortunate; 2, Hechtner on King Favorite; 3, Huff on Tomahawk.

Aged Cows—1, Straub Bros. on Capital; 2, Hechtner on Floss 2d of Meadow Lawn; 3 and 5, Straub Bros. on Woolfel Dream and Nightingale 2d of Otoe; 4, Huff on Hawkeye Lass. Two-year-olds—1 and 3, Straub Bros. on Ladylike and Modesty 2d; 2, Hechtner on Elsiebeth 3d; 4, Huff on Miss Dorothy. Senior yearlings—1, Straub Bros. on Daisy Dimple; 2, Hechtner on Nellie Douglas; 3, Huff on Sue Leem. Junior yearlings—1, Straub Bros. on Merry Lady; 2, Hechtner on Miss Stanley 5th; 3 and 4, Huff on Nellie Bly 4th and Nora Marshall. Senior heifer calves—1, Hechtner on Careful of Maples; 2, Straub Bros. on Mariam; 3, Huff on Lily Wistful. Junior heifer calves—1, Straub Bros. on Nelly Melville; 2, Hechtner on Lady Sampson; 3, Huff on Sainty Violet.

Senior Champion Bull—Straub Bros. on Marquis. Junior and Grand Champion Bull—Straub Bros. on Viscount. Senior and Grand Champion Female—Straub Bros. on Ladylike. Junior Champion Female—Straub Bros. on Nellie Melville.

Aged Herds—1 and 3, Straub Bros.; 2, Hechtner; 4, Huff. Young herds—1, Straub Bros.; 2, Hechtner; 3, Huff. Calf herds—1, Straub Bros.; 2, Hechtner; 3, Huff.

Get of Sire—1 and 3, Straub Bros. on Capital 4th of Tarbrech; 2, Hechtner on Standard Favorite.

Produce of Cow—1 and 2, Straub Bros.; 3, Hechtner.

Polled Durhams.

Exhibitors—Walker Bros., Ord, Neb.; Leeman Stock Farm, Hoopeston, Ill.; D. C. Van Nice, Richland, Kan.; L. T. Frederick & Sons, Memphis, Neb.; Achenbach Bros., Washington, Kan.; John Ketterer, Bethany, Mo.; Albert Hultine, Saronville, Neb.; C. Woods, Chiles, Kan.

Judge—Prof. W. J. Kennedy, Ames, Iowa.
Aged Bulls—1, Van Nice on Roan Hero; 2, Walker Bros. on Cupbearer's Prize; 3, Leeman on Cragg's Hero. Two-year-olds—1, Van Nice on Acacia Prince; 2, Ketterer on Fair Lad; 3, Achenbach Bros. on The Bachelor; 4, Frederick & Son on Victor King. Senior yearlings—1, Walker Bros. on Gold-Roan Hero, Jr. Junior yearlings—1, Wood on Roan Choice; 2, Hultine on Gray Gable Knight; 3 and 5, Achenbach Bros. on Grand Orange and Orange Viscount; 4, Van Nice on Jupiter. Senior bull calves—1, Achenbach Bros. on Meadow Sultan; 2 and 4, Walker Bros. on Roan Rustler and Red Rammer; 3, Ketterer on Hannah's Hero; 5, Ketterer on Hannah's Hero; 5, Ketterer on Hannah's Hero.

Senior Champion Bull—Walker Bros. on Gold-Roan Hero, Jr. Junior and Grand Champion Bull—Walker Bros. on Cupbearer's Prize. Senior and Grand Champion Female—Walker Bros. on Hannah's Hero. Junior Champion Female—Walker Bros. on Hannah's Hero.

Aged Herds—1, Van Nice; 2, Walker Bros.; 3, Leeman; 4, Frederick & Sons; 5, Achenbach Bros. Young Herds—1, Van Nice; 2, Walker Bros.; 3, Leeman; 4, Frederick & Sons; 5, Achenbach Bros. Calf Herds—1, Van Nice; 2, Walker Bros.; 3, Leeman; 4, Frederick & Sons; 5, Achenbach Bros.

Get of Sire—1, Van Nice on Roan Hero; 2, Walker Bros. on Cupbearer's Prize; 3, Leeman on Cragg's Hero; 4, Frederick & Son on Victor King; 5, Achenbach Bros. on The Bachelor.

Produce of Cow—1, Van Nice; 2, Walker Bros.; 3, Leeman; 4, Frederick & Sons; 5, Achenbach Bros.

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AMERICAN STANDARD 15

THE STANDARD SUIT VALUE OF AMERICA

REG. U.S. PAT. OFF.

Costs Only \$15.00 Worth at Least \$20.00

You Get a New Suit or Overcoat in Exchange, If For Any Reason You Are Not Satisfied.

"AMERICAN STANDARD 15" Suits and Overcoats for men and young men are cheap in price only. The all-wool fabrics, the hand-tailoring, the style, the fit, the wearing qualities are every bit the equal of other brands that sell for at least five dollars more.

Prove this for yourself. Go into any "AMERICAN STANDARD 15" store. See the garments, examine them critically, try them on!

"The AMERICAN STANDARD 15" and other American Clothes values are made in Baltimore—"The City of Economy"—in a big, modern tailoring establishment.

The high-class tailoring put into them costs us less, because living expenses are less in Baltimore than in any other clothing center. That is the reason why we can produce such remarkable values for so little money. You are given the benefit of this economy.

If there is no "AMERICAN STANDARD 15" dealer in your town, send us your name and address, and we will mail you style book and order blank, and see that your wants are filled.

American Clothing Mfg. Co. Dept. 15 Baltimore, Md.



SPECIAL TO SMALL SHIPPERS

Don't let anyone fool you by telling you that

Clay, Robinson & Co. are "too big a firm for the small shipper"

Remember These Facts

If we did not give the sort of service that puts money in the shipper's pocket we never would have grown big. Growth and success come from quality of service rendered. You may be a small feeder or shipper—perhaps you market only one or two carloads a year—but if you ship to Clay, Robinson & Co. you will get just as good prices and service as the man who ships ten times as much. Half to two-thirds of our total business comes from small shippers. We certainly would not be so foolish as to neglect the class of customers that so large a part of our business comes from.

Small Shippers and Big Shippers Alike Will Serve Their Own Interests Best by Consigning to

CLAY, ROBINSON & CO.

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Kansas City
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BARGAIN IN WHITE ROCK COCKERELS.

I have a few exceptionally fine White Plymouth Rock cockerels, hatched in May. Some of these birds will develop into prize winners, worth from \$15.00 to \$50.00. Owing to limited room I will ship one of these cockerels to any address desired for only \$3.00. If not satisfactory will refund money without question. References German American State Bank, Topeka, Kansas. Address J. E. SPALDING, 334 Laurel Ave., Topeka, Kan.

KANSAS FARMER UNTIL JANUARY 1, 1912, FOR 25 CENTS. Special Trial Rate.

This rate to new subscribers only. For 50 cents we will send KANSAS FARMER until January 1, 1912, to two new subscribers and send the person who sends in the names a set of 50 beautiful postcards. These cards are not cheap, but just as good as if you paid 5 cents apiece for them. Address KANSAS FARMER, Topeka, Kan.

Van Nice's Polled Durhams.

Wherever Polled Durhams are known in this western country there is also known D. C. Van Nice of Richland and his famous herd headed by Belvidere. Greater fame came to this herd in the purchase of Roan Hero, who had won honors at head of the Woods herd at Chiles, Kan. To assist these bulls in this growing herd there was added the choice 2-year-old bull, Acacia Prince, thus giving this herd of hornless Short-horns three of the best bulls of the breed as herd headers. The Polled Durhams are gaining in popularity every day because of their fine Shorthorn quality and their hornless heads. State Fair visitors will see a sample of the best in the Van Nice show herd.

(Continued on page 15.)

FOR YOU—THE BEST CROP INSURANCE IS AN IHC MANURE SPREADER

TO secure the best results, manure must be spread with a machine, because fork-spreading wastes manure, wastes time, wastes energy, and wastes opportunities for increasing the income which a farm is capable of yielding. In progressive communities you will find that most of the manure spreaders in use bear the I H C trade-mark. Progressive farmers take no chances on their crop insurance. They want absolute assurance before they decide.

Before they bought I H C manure spreaders, they found that they were simple in design—unusual in strength—and remarkably efficient.

They found the power transmitting mechanism the most durable used on any machine, because the beater gear was held in a single casting which prevented the gears from springing out of alignment and cutting the teeth. They found that the long, square, chisel pointed teeth insured positive pulverizing of all manure; that the teeth were long enough to tear the manure to pieces before it wedged against the bars; that the teeth did not rim the bars; that the beater was large enough in diameter so it did not wind. They found that the rollers which supported the apron were large, that the apron moved easily; and that self-aligning roller bearings on the main drive axle not only reduced the draft but prevented the axle from binding, and cutting the axle brackets, a fault not uncommon to spreaders.

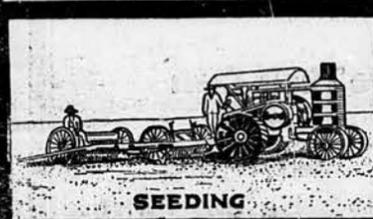
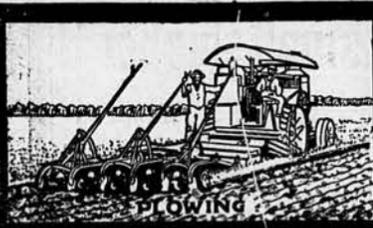
IHC
Service Bureau
The purpose of this Bureau is to furnish farmers with information on better farming. If you have any worthy question concerning soils, crops, pests, fertilizer, etc., write to the I H C Service Bureau, and learn what our experts and others have found out concerning these subjects.

Kemp 20th Century Corn King Cloverleaf

You have choice of these three styles. Each style is made in several sizes to meet every condition.

Don't plant another crop before you see the I H C local dealer. Let him tell you all the facts. Let him point out the many advantages of an I H C spreader. Pick out the one that suits you best. Get catalogues from him, or, if you prefer, write direct for any information you desire.

**International Harvester Company
of America**
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Do It All With The Modern Farm Horse

You can take a **Hart-Parr Gas Tractor** and do more and better plowing, seeding and harvesting with it than with all the teams you can profitably employ. Its deeper plowing, more thorough harrowing and even seeding, assure an increased yield; and its enormous capacity enables you to get through each season's work ten days to two weeks earlier than is possible with horses.

Horses eat their heads off during the winter. Sell most of yours and buy a Tractor. It's a lot more economical in cost of keep and operation. It uses the **cheapest kerosene for "feed,"** and when idle, the expense stops.

It is a money-saver and a money-maker from the minute it arrives on the farm. We build three sizes, suitable for farms from a quarter section, up.

**Cheapest to Buy—
Cheapest to Operate.**

Write us for catalog and full particulars.

Hart-Parr Co.

212 Lawler Street
Charles City, Iowa

**SEE OUR EXHIBIT AT
KANSAS STATE FAIR**

THE FARM



The contract for one wing of a half-million-dollar agricultural building at the Kansas State Agricultural College has been let. When completed the building will be double the size of any other at the College, and, it is said, will be the finest structure in the country used for agriculture exclusively.

While there can be no doubt in regard to the value of the practice of saving seed corn by making the selection in the field, there is equally no doubt about the value of testing this seed before it is finally stored. Seed corn should not be put in the tester until it is thoroughly dried as it will otherwise give false results. Care should be exercised in storing after the test so that the seed will be beyond danger from freezing and then a second test before planting will fix the proportion of good grain.

Sweet clover is gaining in popularity in the higher plains regions where it has proved the best known plant for "taming" soil for alfalfa or other crops. As it is the only known plant that will inoculate soil for alfalfa and as it will grow under any conditions it is of immense value in that region and may have a permanent place in the agriculture of sections further east. When properly cut and cured it makes good hay of almost equal value to alfalfa but as it contains a bitter principle when mature special care is needed in handling it. As it will grow on clay or flood land this little drawback may be offset by its many good qualities.

A good many people are considering the question as to whether the price of land in the corn belt states has reached too high a figure. Under present valuation it is difficult for many farmers to make a good rate of interest on their investment. Instead of making 100 per cent in a good crop year, as some farmers have done in Kansas they must now be content with 5 per cent or less. To the man who lives upon and operates his farm, these figures are not so significant as they are to the man who rents and depends upon this rental for his income. Such men are confronted with much higher taxes and other expenses and the question is serious.

The high price of land is of great interest to the renter also. He must pay more for the use of the land than formerly and his tenure is none too secure under our present custom of one-year leases. This high valuation simply helps the one-year lease system and the demands of the landlord to compel the renter to get all he possibly can out of the farm during his brief occupancy and thus "skin" the land. In this way both landlord and tenant combine to deplete the farm as the latter cannot afford to haul manure, plant permanent crops or care for improvements and the former will not allow for the necessary extra work to do so.

It is said that at least one railroad has come to its senses enough to instruct its employees to cultivate the good will of the farmer. As these very necessary institutions have done more to develop America than any other influences and, as they have done this largely by inducing farmers to settle along their lines, it follows as a business axiom that they should desire to stand well with the people from whom they desire the great bulk of their support.

With the rapidly growing popularity of the silo comes numerous inquiries as to how to fill it and the proper time at which ensilage corn should be cut. Many farmers who are new to silo experience will reason that, as ensilage is a succulent food, it follows that the corn should be cut green, when the facts are that the proper time for cutting is best determined by the condition of the ear. More silage is lost from cutting too green than from cutting too ripe. The kernels on the ear should be well glazed and in the hard dough stage to give best feeding value and if they are even riper than this they are better for the purpose than if too green. If the fodder is too dry pour water on it.

Take an occasional look at the stacks and see if they are standing up and that there are no leaks. It may rain hard before the threshing is done and a poorly built stack will mean a loss of good, hard money.

The short crop of prairie hay calls attention to the need which exists for a better hay fork for handling it. Short hay comes of a dry season and means high priced hay. The horse forks now in use will handle heavy hay admirably but they are not satisfactory when the growth is short. Will some of our readers suggest a good style of horse fork for short prairie hay?

A Kansan who drove his auto from Boston to his home this summer is very enthusiastic about the quality of the earth roads in Iowa. Especially was this true in regard to the "river to river" road from Burlington to Omaha. He says these roads are kept in almost ideal condition by use of the road drag and he predicts that with the completion of the new Santa Fe trail to Kansas City, Kansas will have made a long start towards the results already obtained in Iowa.

Cats that are unattached or that have a home but are possessed of the wanderlust are very destructive of birds. Even "tame" cats cannot always be trusted and many a song bird as well as many a young chicken has found its last resting place where it would do tabby the most good. Which is more profitable on the farm, stray cats or the insect and weed seed eating birds?

What investment is necessary to properly equip a quarter-section farm with machinery? This question is intended to include hand tools as well as horse or power machinery. What is your estimate? We should like to hear from our readers, as your estimates, based on experience, will be of value to others.

With the increasing scarcity of wood the farmer is up against the best means of making fence posts last as long as possible. In an increasing number of localities he must either preserve his posts by some means or grow the new supply. Perhaps the best plan yet discovered for preserving posts is to saturate the butts with creosote. Heat the creosote to about 220 degrees in a large tank and insert the posts to a depth that will measure about 6 inches above the ground when set. Then have another tank of cold creosote to which they should be transferred for a few minutes, thus causing a partial vacuum in the cells which will draw the creosote into the fiber. Posts treated this way will last about 20 years. Creosote costs about 15 to 20 cents per gallon and 4 tenths of a gallon is an abundance for each post.

A correspondent asks if cement is a good material for flooring a grain bin and whether it will cause dampness in the grain. We do not know from experience but would prefer not to use it for this purpose. If the ground beneath becomes very wet the cement floor is almost sure to become more or less damp and as there is no way to ventilate the bottom of the wheat bin, the grain may suffer.

Soil Deficient in Phosphorous.

Answer to L. T. H., Lawrence, Kas. If your soil is deficient in phosphorous some form of this fertilizer should be applied and the cheapest way of obtaining it is to purchase rock phosphate and mix with manure.

Silage Crop and Soil Fertility.

Answering S. A. C., Haverhill, Kas. A crop of corn for silage will demand of the soil a quantity of plant food equal to corn grown for any other purpose and we would not recommend the planting of corn on the same ground five consecutive years unless the field was manured. Consecutive farming of a field of corn is, as you state, a favorable condition for partial failure of crop from insects.

No More Hog Sickness— Feed Merry War Lye

EVERY DAY, and more convincingly than ever before, MERRY WAR LYE is proving its claim to be the Greatest Hog Remedy, Conditioner and Fattener in the World.

When farmers in practically every hog-raising state in the Union declare that MERRY WAR LYE has done more for their hogs than any other remedy they ever used—that it prevents cholera, cures worms, puts their hogs in a fine, sleek, fat condition and INCREASES THEIR PORK PROFITS—YOU surely should be convinced that it will do the same for YOUR hogs. For hog diseases are the same in all parts of the country. Hundreds of farmers write us similar to this:

"It Cured Our Hogs"

Mrs. T. Atkins, Hoxie, Ark., writes: "MERRY WAR LYE is all the lye that we use. Before we began using it we had a lot of hogs with Cholera. We used MERRY WAR LYE and it cured our hogs."

"Best Destroyer of Worms"

Mr. H. F. Gustoff, Coon Rapids, Iowa: "MERRY WAR LYE is the best destroyer of worms in hogs I ever used. It is all right."

Keep YOUR Hogs Healthy— Make Them Fat and Thrifty.

TRY MERRY WAR LYE at once. The cost is a trifle. Feed it night and morning EVERY DAY. You will notice that



your hogs will begin to improve from the first feed. Makes them immune to disease—fattens them surer and quicker than anything else—tones the system, assists in the perfect assimilation of food and prevents scouring. It saves feed, because every pound of corn or other ration fed goes into flesh and fat and none of it is wasted.

IMPORTANT WARNING!

Don't infer that ordinary, or regular, lye can be used as a hog remedy. MERRY WAR LYE is prepared especially as a hog remedy and it is the only lye that is guaranteed to be absolutely safe to feed to hogs.

Save These Directions

Follow these directions carefully: Mix one tablespoonful MERRY WAR LYE with slop for 10 hogs, or 1/2 can with barrel of swill. Stir well and feed night and morning. If your hogs are on a dry feed ration, mix 1/2 can MERRY WAR LYE to each barrel drinking water.

At All Leading Dealers

Most dealers handle MERRY WAR LYE. If yours can't supply you, write us, stating your dealers' names, and we will see that you are supplied and will also send you, free, a valuable booklet on "HOW TO GET THE BIGGEST PROFITS FROM HOG RAISING." MERRY WAR POWDERED LYE comes in 10c cans, full case of 4 dozen cans for \$4.80, at Grocers', Druggists' and Feed Dealers'. There are no substitutes. E. Myers Lye Co., Dept. 12 St. Louis, Mo.



High Class Poland China SALE

At Lyons, Ks., Saturday Sept. 30, 1911

Owing to poor health I am closing out my entire herd of full blood Poland China Hogs, consisting of such noted sows as:

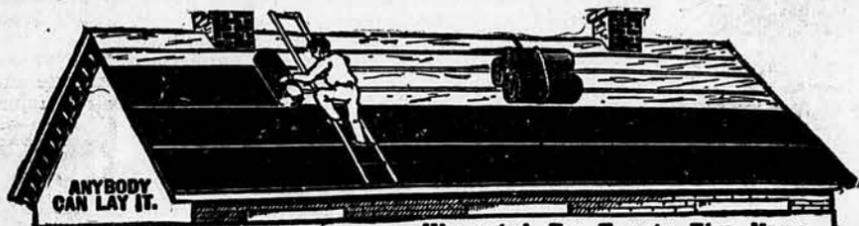
- Beauty Challenger by Perfect Challenger.
- Lady Mischief by Mischief Maker.
- Starlight by Meddles 2nd—The Kansas Champion last year—she farrowed me 10 pigs her first litter.
- Lula 2nd by Corrector 2nd.
- Lula 1st by W. B's Perfection.
- S. P's. Lady by S. P's. Perfection. These sows all raised spring litters and will have fall litters at their side sale day. They are all breeders and good producers.

27 GILTS AND 16 BOARS EARLY MARCH FARROW

All are good ones. They are large and growthy, big boned kind. Most of the tried sows weigh 500 or 600 pounds. The spring gilts weigh right at 200 pounds. All the young stuff sired by the Great Boar, Smuggler, he by E. L's Cloverbud. Send for catalogue and come. Send bids to O. W. Devine representing KANSAS FARMER—if you cannot attend.

LEE STANFORD, Lyons, Kans.

Col. Lafe Burger and Col. W. H. Hopkins Auctioneers



Rubber Roofing

Warranted For Twenty-Five Years. FREIGHT PAID To Any Station East of Rocky Mountains, except Texas, Okla., Colo., N. D., S. D., Wyo., Mont., N. M., La., Ga., Ala., Miss. and Fla., on all orders of three rolls or more. Special Prices to these States on request.

ONE-PLY Weighs 35 lbs.,	108 Square Feet,	\$1.10 per roll.
TWO-PLY Weighs 45 lbs.,	108 Square Feet,	\$1.30 per roll.
THREE-PLY Weighs 55 lbs.,	108 Square Feet,	\$1.50 per roll.

TERMS CASH: We save you the wholesalers' and retailers' profit. These special prices only hold good for immediate shipment.

Indestructible by Heat, Cold, Sun or Rain.

Write for FREE SAMPLES or order direct from this advertisement. Satisfaction guaranteed or money refunded. We refer you to Southern Illinois National Bank. CENTURY MANUFACTURING COMPANY, Dept. 666, East St. Louis, Ills.

The Pacific end of the Panama Canal lies to the eastward of the Atlantic end.

Lend your crops to your live stock and see what a big interest they will pay and how promptly they pay it.

LIVE STOCK



A young man can learn more of the pure breeding business by attending the state fairs and large live stock shows than he can in any other way in the same length of time.

If you are showing live stock at the fair, by all means follow up the publicity you there gain by advertising your stock in a stock journal. If you do not exhibit, then you need the advertising in the paper all the more.

There is no state in the corn belt that is so well equipped for the cheap production of beef and pork as Kansas. With a million acres of alfalfa, an abundance of roughage and plenty of good corn and kafir for finishing, no state can be ranked with this, and none can even approach it if all our resources were utilized.

With alfalfa pasture, corn is the only thing needed to produce the finest of beef and pork. Alfalfa is the only known plant that will supply a nearly perfect balanced ration with corn alone.

Everything on the farm will eat alfalfa, and like it and thrive upon it. It is at once the cheapest and most valuable feed that can be grown. Kansas is one of the comparatively few states where the hogs eat hay.

Over in Illinois a bank is offering to lend a large sum of money without interest to those farmers of the vicinity who will invest it in fertilizers. This is good policy, and the bank can well afford to do this. Why would it not be a better policy for Kansas banks to do the same thing where the farmers would invest the money in live stock? Kansas farmers do not need commercial fertilizers nearly so much as they need more and better live stock.

Mix a teaspoonful of formaldehyde and a teaspoonful of sugar with a saucer full of water and set where the flies can get at it. It can be used in the barn, pig pen and poultry house, as well as the residence, provided it is placed out of reach of children and domestic animals.

Whenever any farm animal shows a disposition to eat wood, earth and other unnatural things, a change in feed is necessary. In most cases too much corn is being fed.

Alfalfa, nor any other kind of clover, can fertilize and produce seed without the aid of bees. A few bees about the place are of value on the farm, if for no other reason, and whatever they produce in honey is just so much made "on the side."

A good fence is absolutely necessary on a farm where live stock is kept, and there should be no farms on which live stock is not kept. The toll of injured and dead animals resulting from poor fencing is a heavy yearly tax upon the farmers of this country.

More attention is being given to cow peas as a farm crop. They belong to the same family as the clovers, and have their power of enriching the soil. They are of high value either for pasture or hay, though their highest value for the farmer comes after the pods have formed and some of the leaves have turned yellow. When cured for hay they are equal to red clover, and care must be used in thoroughly drying them before stacking.

Hogging off corn is by far the cheapest method of feeding, as the hogs do all the work. If the hogs are restrained by a temporary fence so that they will work over only a small area and thoroughly clean it up before they are moved, this is an economical method of feeding, as well.

Corn fodder, either shredded or whole, is a splendid feed for horses, though some farmers claim that the shredded fodder will not keep as well as the whole. If shredded early enough for the fodder to be in the most palatable condition, it is likely to sour in the stack.

Exhaustive experiments made by a number of experiment stations unite in showing that hogs will take on weight a little faster on soaked corn than on dry, and that soaking the grain results in the saving of about 2 pounds of feed in each 100 pounds fed to them. For young pigs on pasture, however, the dry corn seemed to produce better results. It is simply a question as to whether the difference in gains made will pay for the extra trouble necessary in soaking the corn.

A feeder of large experience reports that the best ration for fattening steers that he has ever tried is composed of from 15 to 20 pounds of silage, 2 pounds of cottonseed meal and what corn and alfalfa hay they will eat. He thinks red clover may be substituted for the alfalfa with nearly equal results.

In one section of Wisconsin the farmers are engaged in dairying during the grass season. As soon as this season ends they sell their cows and go to work in the lumber camps, with the result that they have about the poorest lot of milk cows to be found anywhere. A somewhat similar practice exists among the hog raising farmers in central sections of the corn belt. They do not sell their sows, but they do sell the boars and expect to pick up others at the proper time. The result is ruinous and is largely the cause of so many small litters of weak boned pigs. The better the boar the sooner will the herd improve. Keep the boar as long as possible if he is a good one. If he is a poor one, don't keep him at all.

Sometimes we still hear the cry that there is danger of the pure-bred business being overdone. Don't you think it for a minute. Take horses, for example. In the ten states of Illinois, Kansas, Wisconsin, Pennsylvania, North and South Dakota, Minnesota, Montana, Iowa and Utah, there were, on January 1, last, more than 8 million horses, but of these there was only 1 pure-bred draft sire in 552 head. The states named are the most progressive in the Union in the horse business, too.

A botanical standard of measurement for pasture lands is being sought by the Royal Agricultural college at Cirencester, England. In a preliminary study, the species of a number of different grass plots were catalogued and were then grouped as grasses, leguminous plants and general plants according to their relative abundance. An idea was thus obtained of the proportion of valuable grasses and leguminous plants to practically worthless species. The species numbered only nineteen in all where the bottom grasses were luxuriant, but the total was more than fifty on lands that were poor.

Importance of Pure Bred Sires. It is only the pure bred animal with good ancestry back of him that can be depended upon to transmit the most desirable characters of the breed. The scrub animal produces his kind, and the grade (even though he be a good individual) cannot transmit his characteristics with any degree of certainty. However, not all pure breeds are good breeders. In other words, the good breeder is rare and while the use of pure bred sires insures better results than the use of grades, we should not stop simply with the pure bred sire. If we study breeding records we find that but few prove to be great breeders. It is therefore important that the merits of sires be found out before being purchased. Once we find a good breeder, he should be used as long as he continues a breeder. It is better policy for a number of farmers to put their money together and purchase two or three good sires than it is for several of them to purchase individually a number of second class sires.

And now Maud Muller's hay is worth \$16 per ton while the judge is wondering who will be his successor. "Of all said words."

The best preparation for future corn crops consists in manuring the grass and alfalfa land now.

Worms in Swine.

Pneumonia, lung fever and worms in swine are often mistaken for cholera. Wormy hogs are a positive damage and injury to farmers and stock raisers who own them and are trying to make pork raising pay. They are not only hard and expensive to care for when they are troubled by the disgusting parasites in their intestines, but they are very liable to have other diseases which invariably prove fatal. If they have lung fever and worms at the same time, they will hardly recover.

Demand for Feeders.

According to expert live stock agents of the railroads there is sure to be a big demand for feeder cattle this fall. One agent who has just made a tour of observation states that Nebraska will have from 65 to 70 per cent of a normal corn crop and Kansas fully 75 per cent, while there is more roughness and good grass than he had ever seen before at this season. He states that feed lots in the states tributary to the Kansas City market are well cleaned out and the abundance of feed stuffs makes a demand for feeders a certainty.

This fact, with the known scarcity of cattle throughout the country will serve to make one of the greatest opportunities for the breeders that has appeared in recent years. Especially will the immediate future promise well for the young breeder as he is now able to buy breeding stock at very reasonable prices. Farmers must have stock and the breeder who is supplied with breeding animals for sale need not fear the poor house for some time to come.

Saving With the Silo.

Noting that the champion car lot of Herefords at the International was fed on ensilage, a North Dakota farmer states that all kinds of stock on the farm will eat it greedily and thrive upon it. He built his silo on a 3-foot foundation made of stone and cement and so constructed that the foundation was cup shaped on the cement surface with a depression 2 feet deep. This catches the moisture and when mixed with alfalfa leaves or bran makes a fine feed for young stock. He says:

"My silo made it possible for me to sell \$700 worth of hay, and the silo was filled from about 15 acres. My stock did as well or better than if I had fed them the hay. If five farmers would each build a silo and together buy an ensilage cutter, they would materially lessen the investment and then, by exchanging work at filling time, they could lessen the expense. But my advice is, build a silo because it has demonstrated beyond a doubt that it is the best and cheapest of feed and will make your dairy or stock business a pleasure, furnishing feed without robbing your soil."

Imported Stock.

The breeder always, and the farmer generally, is inclined to consider an imported animal as having some indefinable merit or value which is not possessed by the home bred animal. Imported animals are supposed to give prestige to the herds to which they belong, and they always sell for more or less fancy prices unless they are very bad.

There once was a reason for this, but it no longer exists in most breeds. It was once necessary for our breeders to import animals for the improvement of our own herds but now we raise in America, and right here in Kansas as well, animals that have no superiors in the world. Jersey or the Netherlands do not produce any better Jersey or Holstein cattle than we raise right here. The same is true in regard to the beef breeds and to Percheron horses and all breeds of the lard type of hogs.

Imported animals are no better than home grown ones just because they were imported, nor is a pedigree of special value, because it bears a foreign number. Neither the foreign breeding nor the pedigree is of great worth unless they are represented by a good animal and good animals are raised in America.

Hog Cholera Cures.

From time to time inquiries come to this office for information as to what is the best hog cholera cure in spite of the fact that veterinarians deny that they know of such a cure.

As a general proposition medical treatment of hog cholera is very unsatisfactory though much may be done in the way of preventive measures. Being an infectious disease of the intestinal tract, which is quite similar to typhoid fever in man, cholera is quite often associated with swine plague which corresponds to pneumonia in man.

Care as to sanitation and feed may serve to protect a given herd but it is not



This \$900 Car Measures Up With Any \$1250 Car on the Market

EVERY man likes to make each dollar go as far as possible. He is wasting no money. Whether he buys a plow, pump or an automobile, he continually looks for the greatest value he can get for any given amount of money. If a 30 horsepower, five-passenger touring car of standard make can be bought for \$900 why on earth should he pay \$1250 or more for the same type of car?

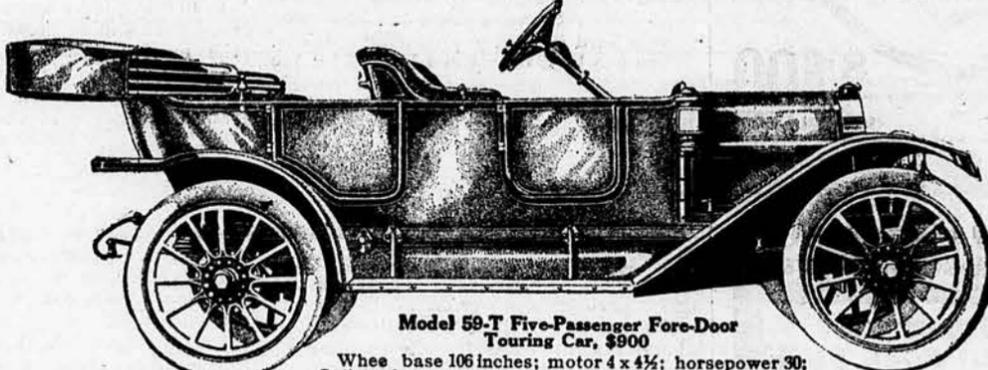
Q. Our Model 59 is a 30 horsepower, five-passenger fore-door touring car. The price is \$900. It is a big, roomy, thoroughly high grade car. The motor will develop more power and speed than you will ever care to use. It has a handsome body design—graceful and good to look at. The pressed steel frame is staunch and solid. The selective transmission is fitted with F. & S. bearings—the finest in the world. In a word it is just as good and fine as this type of car can be made. You will not find its equal for less than \$1250, and a comparison of the specifications with any other 30 horsepower car will prove this statement.

Q. This car at this price is due to our enormous manufacturing facilities. We have the greatest plant of its kind in the world. We have just published a very thorough book which explains in a clear, definite and readable manner the difference in automobile plants. And the point of this whole book is to prove the economical manufacturing ability of the Overland plants—to prove its strength by showing and explaining to you the interior and exterior of the greatest automobile plant in the world. It takes you over the entire 80 acres. The book is free and we want you to have one. It is interesting and full of information.

Q. Above all it gives you a clear understanding of economics in the production of automobiles in great quantities, and we believe it proves why no other manufacturer in the business can produce the car described below and sell it at our price without losing money.

Q. A line to us will bring you this new Overland book. It explains what we are and what we have got and why other cars of similar size and rating are from twenty to forty per cent. higher in price. Write and ask for book R39

The Willys-Overland Company, Toledo, Ohio



Model 59-T Five-Passenger Fore-Door Touring Car, \$900

Wheel base 106 inches; motor 4 x 4 1/2; horsepower 30; Splittorf magneto; transmission selective, three speeds and reverse; F. & S. ball bearings; tires 32x3 1/2 O. D.; 3 oil lamps, 2 gas lamps and generator. Complete set tools.

always sure because of the germs which may be carried by dogs, English sparrows, pigeons and on the shoes of persons.

Some of the so-called remedies are undoubtedly beneficial in stimulating the body functions and building up the health of the animal. Among the best and cheapest of these is the government remedy, suggested by the Department of Agriculture. This is as follows:

Wood charcoal, 1 pound; sulphur, 1 pound; sodium chloride, 2 pounds; sodium bicarbonate, 2 pounds; sodium hypsulphite, 2 pounds; sodium sulphate, 1 pound; antimony sulphide, 1 pound. Pulverize thoroughly and mix. Give 1 large tablespoonful for each 200 pounds weight of hog treated. Give once daily in sweet milk or in thin slop.

So far as veterinary science has yet discovered the anti-hog cholera serum treatment is the only thing that has been found to be reliable. This is available to the people of Kansas on application to Hon. J. H. Mercer, live stock sanitary commissioner, Topeka, to whom word should be sent immediately there is any threat of an outbreak of disease in the herd.

One of the leading Chicago meat packers is quoted as saying that the domestic demand for meat will from this time on be equal to the supply which can be produced on the farms and ranges

Bovee Furnaces at Manufacturer's Prices



Saves 50 per cent of cost; 40 per cent of fuel
Most Durable, Most Economical Furnace Sold
 Has a Perfect Ventilating System for Every Part of Building

RESIDENCE HEATING PLANT

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Special prices on large heating plants for any style church or building.
 Horizontal Furnaces with large doors at same prices as Economy for equal heating capacity.

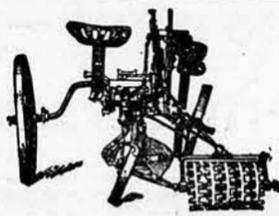


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BASEMENT VIEW OF 3 RUM PLANT FOR RESIDENCE, CHURCH OR SCHOOLHOUSE

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BETTER CROPS WITHOUT EXTRA LABOR

The Wilberg Plow Attachment will make a proper seed bed while you plow with only fifty pounds extra draft. It packs the furrow the moment it is turned, thereby preventing moisture to escape and making the seed bed drouth resistant.

This attachment is sold on 10 days free trial. It will increase your yield from two to five bushels per acre and will save labor to pay for itself on 50 acres of plowing. Write for a full description to

Wilberg Plow Attachment Co., Nome, N. D.

of the United States, leaving no surplus for export. This is encouraging for the stability of live stock prices for some time to come.

A hog's time is not worth anything, but your time is. The best breed of hogs to raise is the kind that will grow into money quickest.

This Free Book Will Save You \$20.00 a Year



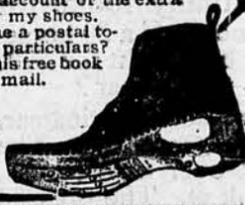
I want to tell you all about my Celebrated Steel Shoes—why one pair will outwear six pairs of leather shoes—how a pair will give you more foot-comfort than you ever had in your life. How they will keep your feet powder-dry all the time. How light and comfortable they are the year around. I have told half a million others these facts. They have bought steel shoes of me and saved millions of dollars among them. More than that—they can be on their feet all day—at any work, without foot fatigue. And they have gained health protection.



Steel Shoes

W. M. RUTHSTEIN The Steel Shoe Man

prevent rheumatism, sciatica, lumbago, lame back and other troubles caused by wet feet. I want to show you the way to avoid these dangers and all such troubles as tender feet, corns, bunions, chubblains, and at the same time show you a saving of \$20 a year in actual money on account of the extra wear you get from my shoes. Will you write me a postal today and get full particulars? Let me send you this free book of mine by return mail.



Address
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The Steel Shoe Man
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The PRESIDENT GUARANTEED WORK SHIRT

If you want the best, most practical 50c Work Shirt ever manufactured, ask your dealer for the "Regular" President; if you want the Extra Best ask for the \$1.00 Special. Each is the actual best garment for the money on the market—their strong endorsement by over 2 Million men proves it. For genuine service, comfort and all round satisfaction President Work Shirts can't be equalled,—just try one and see.

At your dealer's, if not, send us his name, your collar size and price in stamps for sample shirt and book of new patterns.

The President Shirt Co.
19 W. Fayette St.
Baltimore, Md.

50¢ \$1.00

Huiskamp's Barnyard Shoes

Guaranteed Manure And Ammonia Proof
Save Farmers \$2,400,000 Each Year

These specially tanned shoes last twice as long as ordinary shoes. Cost no more than ordinary kind. Save you \$6.00 a year. Now worn by 400,000 farmers and stockmen. Barnyard shoes are guaranteed proof against manure and other acids of manure and barnyard liquids. Will not crack or stiffen. Made over standard lasts, they fit the foot comfortably. **ASK YOUR DEALER**—if he does not handle them have him get them or write us for literature and particulars how you can get a pair of Barnyard shoes free.

Huiskamp Bros. Co.,
Dept. 213
Keokuk, Iowa.



DAIRY



If you are a little short of feed get rid of the poor cows and replace them with good ones. Don't keep cows; make them keep you.

The best crops that can be raised for the dairy cow are alfalfa and corn silage, and both these are great drouth resistors.

If "the bull is half the herd" and "the dairyman pretty nearly all of it," just where does the cow come in? A better division would be to count each a vital portion, without which no results can follow.

In compounding rations for the cows the herdsman should not overlook the fertilizing value of the different feeds. For example, with nitrogen at 15 cents per pound and phosphoric acid and potash at 4-2 cents, a ton of corn is worth \$6.45, while cottonseed meal would figure \$23.75.

The farmer who is feeding silage right through the dry summer is quite independent of burnt up pastures. It would seem that every farmer ought to see the benefits to be derived from summer silage as well as for winter use.

The large shows and fairs, as well as the pedigree record associations, recognize the Jersey, Guernsey, Holstein, Ayrshire and Dutch Belt cattle as the dairy breeds of America. The dual purpose breeds are the Brown Swiss, Polled Durhams, Red Polls and Shorthorns, though the latter is generally ranked a beef breed.

Four boys, whose ages range from 9 to 13 years, have made a very successful start in the dairy business in Wisconsin under somewhat adverse conditions. They began by buying a pure-bred Jersey cow and from her they now have a herd of twelve producing animals. These are kept on a town lot 125 by 160 feet and fed on silage and on alfalfa shipped from Kansas. With all these handicaps they have made money, and are now in position to enlarge their operations. The Kansas boy, with home-grown alfalfa and plenty of cheap milk-producing feeds, ought to do better.

Maintain the conditions the same throughout the year as found in the early part of the summer. These conditions are described as follows: An abundance of palatable food, balanced ration, succulent ration, moderate temperature, comfortable surroundings.

The following statements indicate in general the amounts to feed:

Feed all the roughness the cow will eat up clean at all times.

Feed one pound of grain per day for each pound of butter fat produced per week or one pound of grain daily for each three pounds of milk.

Feed all the cows will take without gaining in weight.

One of the most successful dairyman of our acquaintance has solved the hired help problem by simply selling the milk in the cows to his assistant. He owns

the cows and supplies all the feed, barns, etc., and the man cares for the animals, does the milking and markets the milk. In this case the results are very satisfactory, as the farmer is not only relieved from the hired help problem but his plan makes the man have a financial interest in the proper care of the herd. On the other hand, the man is in business for himself and buys the milk at wholesale and sells it at retail. He has no investment except in his teams and wagons, and his margin of profit is good pay.

The Guernsey is a channel island cow which has been bred for the same purpose and about the same length of time as has the Jersey. Originating on adjacent islands of the same group and bred alike for hundreds of years it would seem that the two breeds should stand together in the estimation of dairy farmers. This is true in some sections, where the Guernsey is even more popular than the Jersey, but it is not yet true in the southwest generally, nor in the state of Kansas. Several herds of Guernseys have been started in this state, but, as yet, they are small in numbers and cannot supply the demand for breeding cattle. Guernseys are splendid dairy cattle and need to be known only to be valued.

Why is it that Kansas, with the largest creamery in the world, the cheapest and best of milk producing feeds, a steady and constantly increasing demand for dairy products and the best of shipping facilities to the best of markets, does not breed more dairy cattle? There is a constant demand for cattle of the dairy breeds and frequent inquiries are received for one or more carload lots. Prof. Erf was authority for the statement that Kansas stands in serious need of 40,000 pure-bred dairy bulls. The need grows more pressing each year. As the matter now stands, Kansas dairy farmers must go to other states to secure milk stock, and the comparatively few dairy herds of the different breeds that now exist in the state, cannot raise breeding animals fast enough to supply the demand.

"Whitewash is cheap. Whitewash is purifying. Whitewash is beautifying. But how little we use it. A visit to the south impresses one with the value of whitewash. There they use it instead of paint, applying it to the barns and outbuildings, inside and outside, as well as to the fences. In the north we should use it more. I used to think the right thing was to paint a barn that was ceiled inside. But I have changed my mind and now prefer the whitewash. It is cheaper, can be applied as often as desired, and is a great purifier. Make it after the government recipe; but if you think that's too much of a job, use lime water plus a little disinfectant.—E. R. Shoemaker."

The man who believes in advertising, and fails to do it, makes a mistake, while the man who does not believe in advertising, yet still does it, makes money.

A HEAVY CUT ON DRAIN TILE PRICES

that means a saving to you of \$2.00 to \$3.00 a thousand feet, according to size—provided you send your order in before October 15th. Remember this is the famous DICKEY HARD BURNED TILE, the standard drainage tile in America.

Send us your name today and get reduced prices on tile delivered at your station and ask anything you like about drainage and drain tile. We'll send full particulars, also the government pamphlet on drain tile and drainage—all FREE.

W. S. Dickey Clay Mfg. Co.
204 New York Life Bldg.
KANSAS CITY, - - - MO.

Auto Tires—Best Quality

45% SAVING

The Leading Standard Makes.
No Junk of Obscure Manufacturers.
28x3 ..\$ 9.85 32x3 1/2 ..\$17.35 32x4 ..\$22.50
30x3 ..\$11.10 34x3 1/2 ..\$18.15 33x4 ..\$24.00
30x3 1/2 ..\$15.70 30x4 ..\$21.20 34x4 ..\$26.00
These tires have size and serial numbers on complete guarantees, but as we buy cheap for cash only, the manufacturers sell them to us without recourse and we sell them to you in the same way. Every size for every rim. 10% must accompany order, balance C. O. D. on approval. Specify Diamond, Firestone, Shawmut, Para, Imperial, Fisk, Hartford Makes.

THE ATLAS TIRE COMPANY
822 Wyandotte St., Kansas City, Mo.

BOWSHER

(Sold with or without elevator.)
Crush ear corn (with or without shucks) and grind all kinds of small grain, and head kafir. Have Conical Shape Grinders. Different from all others.

LIGHTEST RUNNING

(Our circular tells why.)
HANDY TO OPERATE
14 sizes 2 to 25 h. p. Capacity 4 to 200 Bushels.
We Also Make Sweep Grinders
FREE Booklet on "Value of Feeds and Manure."
CNP Bowsher Co., South Bend, Ind.

FEED MILLS

AUCTION SALE OF GUERNSEY CATTLE

at Des Moines, Ia., October 3, 1911.
Sixty head of registered and high-grade females of all ages; 5 registered Guernsey bulls. Free transportation from our milk depot, 1401 West Grand.

WILCOX STUBBS CO.,
Des Moines, Iowa.

When writing advertisers please mention KANSAS FARMER.

Handy Wagons For Farm Work

Low, no high lifting, last a lifetime. Easy for horse and man. Broad tread steel wheels cannot be broken and do not make ruts. No tire setting, nothing to dry and apart. All tire widths. Write for free book to-day to ELECTRIC WHEEL CO., Box 34, Quincy, Ill.

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DE LAVAL CREAM SEPARATORS

Skim cleanest—turn easiest—are simplest—most sanitary—last longest

The De Laval Separator Co. NEW YORK CHICAGO SAN FRANCISCO SEATTLE MONTREAL WINNIPEG

FREE this real leather bill fold for the Head of the Farm

(Not for boys—they're all right and their turn will come later—but this is for the boss.)

Thousands of farmers will buy gasoline engines this Fall and Winter. I want to get in direct and personal touch with every one of them, as I want them to know about the Olds Engine.

If you are going to buy an engine, or are thinking about it, you ought to know what an Olds Engine will do for you. I want to tell you about them—give you just the information you want—so if you will fill out the coupon below (or write me a letter) saying what size engine you want, whether portable or stationary, and when you expect to need one, without asking you to make any promise or obligating you in any way, I will send you absolutely free this genuine calfskin bill fold, stamped with your name in gold letters.

It will hold fifteen bills easily. When folded it will go in a small pocket. It is very convenient, handsome and useful; will last a lifetime. Has no advertisement on it.

OLDS GASOLINE ENGINES

are known the world over and used by farmers everywhere. They are the most satisfactory engine made for farm work. I guarantee them to do all we say they will—you to be the judge. Ask any man who has an Olds Engine. He will tell you.

We also make complete electric light and water systems especially for farms. Write for our prices on corn shellers, corn huskers, feed grinders and cream separators.

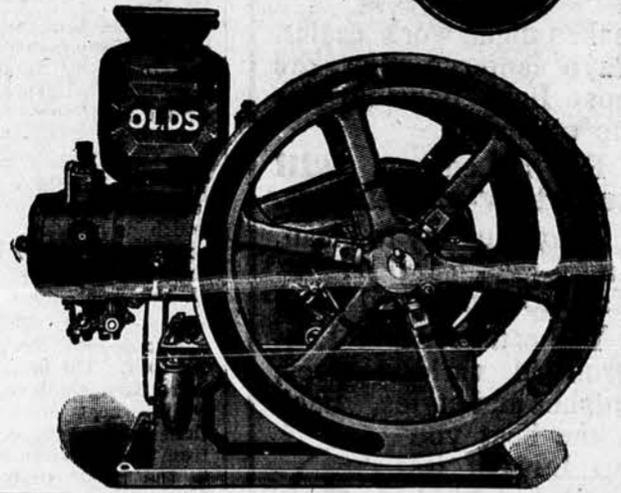
If you are going to buy an engine, put a check mark (X) in the place showing the size and style engine you want, and when you expect to need it, and mail to me personally at once. Address me as below.

BRANCHES
1035 Farnam St.
Omaha, Neb.
Kansas City, Mo.
2111 Central St.

J. B. SEAGER, Gen. Mgr.
Seager Engine Works
1026 Walnut St., Lansing, Mich.

BRANCHES
102 N. Los Angeles St.
Los Angeles, Cal.
Boston, Mass.
65 Beverly St.

To make quick deliveries, I also have a complete stock of engines and parts in warehouses at
Houston, Tex. Atlanta, Ga. Decatur Ill. Lexington, Miss.
Calro, Ill. Minneapolis, Minn. Binghamton, N. Y. Philadelphia Pa.
NOTICE—If you prefer, write to my nearest branch, and if I am not there, my personal representative will attend to it.



Cut or tear off here

SEAGER ENGINE WORKS Lansing, Mich

Send me full particulars about the following engine. It is understood that I do not obligate myself in any way by asking for this information.

Style wanted: Portable Stationary
Horse Power wanted: 1 1/2 3 4 1/2 6 8 12 15 20
Expect to need it: Sept. Oct. Nov. Dec. Jan.

Name

Town R. F. D.

County State

Sign name plainly just the way you want it on bill fold.

Tuberculosis Tests.

Is there any law requiring farmers have their cattle tested for tuberculosis and, if so, who is the proper person to do this work? Several of my neighbors have made inquiry in regard to this matter and I knew of no better way of finding out than through the columns of our valuable paper.—Guy D. Gould, Arma, Kan.

The Kansas law states that, "whenever a live stock sanitary commissioner shall have reason to believe, or shall receive notice, that the disease known as tuberculosis, in any of the domestic animals of the state, exists, it shall be his duty to at once make an investigation thereof, and if in his judgment there is need of technical knowledge and examination on the subject he shall call upon the professor of veterinary science of the State Agricultural College at Manhattan, who shall in person, or by some competent veterinarian commissioned by him, proceed immediately to make such animal examination and investigation as may be necessary and take his opinion thereon."

The law further provides for the application of the tuberculin test, when necessary, and forbids any person to apply this test except the owner or some qualified veterinarian. Also, penalties are attached for the sale of tuberculous animals, for failure to disinfect leased premises, and for the violation of any part of the act or of the rules or orders of the live stock sanitary commissioner.

Aside from the requirements of the law it is only good business practice for the owner to have his herd tested. The live stock sanitary commissioner Hon. J. H. Mercer, Topeka, and the State Veterinarian is Dr. F. S. Schoeninger of the State Agricultural College, Manhattan.

Selecting Good Grade Cows.

There are, in our judgment, many good cows which are animals of great worth for dairy purposes. This editor believes that almost 50 per cent of the cows milked in farm dairies are profitable cows. The Babcock test and the scales furnish the best means of knowing

a cow's value, but the buyer cannot always weigh and test the cows he may intend buying, and so must depend on his judgment of the cow's appearance. The five points to be observed in the selection of good milking cows from grade or native cows are the prominent ones that will appear in all the milking forms of the cattle race without regard to breed. These are given under numerical heads by O. C. Gregg, North Dakota, as follows:

First: Observe with care and note as a first point, that the cow that we are now passing upon has a large and ample sized body. Let this body extend from a point just back of the shoulder straight down to the lower part, also let it be included between the line that we have mentioned and a line that we will call imaginary that will extend from the hook or hip bone straight down to the lower part of the body again. It is an excellent thing if the depth of the body is as strong or stronger at this last point as at any other point that we will call its depth. Sometimes this bodily capacity is composed to a certain extent in the length of the body. In either case we want a large, ample and capacious body. This large body is needed and must appear for the ample supply of milk must come from much food received and digested within the area that we have noted. This food content is there taken up into the blood. With this evidence of a good supply of blood we have a good start in estimating that we will have a good supply of milk.

Second: Look with care behind the fore shoulder and observe if the backbone is prominent and if that part of the body which is called the crops is scantily covered with flesh. This does not mean that the animal shall be in poor condition; it only means that the animal is not inclined to use this blood to make flesh out of it. Beef cattle are full at this part of the body. We are selecting for milk. We want the ample supply of blood to go to the udder, where milk is made.

Third: Next go to the udder and see if it be reasonably large. Do not depend upon the eye to estimate this size. Many very good udders are contained

largely within the body and their size is not apparent. You will see the fore part of the udder, be it large or small. Take hold of the skin between the hind quarters. Up to the point where the skin ceases to be as loose as upon the other part of the body we can judge that the udder extends. One can get a fair idea of the udder attachment to the body by drawing an imaginary line from the point last mentioned to the front udder that we have seen; this will give one a distinct and positive line of attachment of the udder to the body. If that line is long, then we have the clasping form. In such a form we have nature's provision to receive that ample supply of blood that this good body will produce.

Fourth: Now put the hand on what is known as the milk vein, which extends from the udder along the lower part of the body on both sides; at the end of this vein will be found a hole through the body wall. This hole should be large enough to take the end of an average index finger; by pressing against the wall of the body for a space of about two inches in a varying direction a second hole may be found that will be about the size of a lead pencil. Look for these holes on both sides of the body. These holes through the body are for the return of the veins which take the blood to a very great extent from the udder. Here we have an absolute fact which indicates that the blood makes its circuit through the udder or gland where the milk is made. We can safely reason that from this abundance of blood we shall have an abundance of milk.

Fifth: Last of all look and see if the eye of the animal is large and full. This largeness of the eye indicates a strong nerve system. Digestion and milk secretion is the work of the nerve system. The nerve system is the power that drives this animal milk machine.

These five points may be called five degrees in cattle judgment. We add a sixth. Use the scales and the Babcock test and the cow has been brought to a sure cattle judgment. Any cow that will verify the six points will prove to be a good milker, unless she has been ruined by bad handling or bad feeding.

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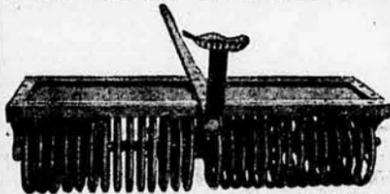
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POULTRY



See that the chickens are not overcrowded at night, for they sometimes get hot and sweaty and when let out in the morning catch cold, which develops into roup.

Shut the hens out of the nest boxes at night. They will creep in there if they can to roost. It is warmer there and they like it; but what a mess they make of the nest.

Skim milk is a good food for poultry. The fat has been taken from it and leaves it proportionately rich in protein, which is a very desirable element in poultry food. Use it to mix a mash for the chickens. You may also give them all the milk they will drink.

Alfalfa meal has great value as a poultry food. The best alfalfa meal contains more than eighteen per cent of protein, while wheat bran contains little more than twelve per cent, and clover meal from six to seven per cent. As protein is the most costly and most valuable part of any food stuff, it follows that alfalfa meal is more valuable than the others, pound for pound. If you raise your own alfalfa you have a better food-stuff than the meal in the alfalfa leaves that are in your hay mow.

For an article which seems well protected from odor and gases, an egg is extremely sensitive to them. Eggs should be kept in a cool atmosphere, also when kept longer than a week should be turned frequently. When an egg rests in one position too long the yolks sink to the bottom of the shell, the air will work through the pores of the shell, attack the animal matter, and decay sets in. The turning of the eggs has been found the most practical method of avoiding this decay.

Success With Poultry.

Because there are no large poultry plants in the West we are apt to think that there is not much money in the poultry business or more of these plants would be operated. But in the East there are hundreds of successful poultry plants and their proprietors are just coining money. Of course we have not the markets to cater to, that they have in the East, still our markets are good enough to support a great number of large poultry plants, if the right kind of men were to take hold of the matter.

To show what is being done by some men in the poultry industry we quote from the Farm Journal, as follows:

During a recent trip to New England, the poultry editor visited the waterless duck farm of the Weber Brothers at Wrentham, Mass. Of all the duck farms ever visited by the writer none gave such evidence of prosperity, such improved appliances, and stock of so fine a quality as this farm.

The Weber Brothers started on a very small scale—ten Pekin ducks and two drakes being the foundation. That was in 1888. An incubator also was purchased, and the total start cost but \$175. They grew. The business expanded as experience and capital warranted, until today the Weber Waterless Duck Farm is considered to be the largest and most successful ranch in this country. The present farm shows an investment of \$35,000, not counting the cost of labor, which would easily reach a like amount. Up until this year there were three brothers in the firm—William, David and John. The farm is now owned and operated by David and John, William having withdrawn from the firm to start a duck ranch in a suburb of Chicago.

Last year, from 600 breeding ducks, the firm raised and marketed 43,000 ducklings. As fifty cents per head is the profit on all ducklings marketed, it will be seen that the income that year was \$21,500.

It is quite a sight to see thousands of ducklings of all ages—from a few days old up until ready for market. Another sight is to see the killing, dressing and preparing for market. These plump, white carcasses are sold in the Boston markets, where there is a great demand for them. In order that they may not be counterfeited, the head and neck are

bent over to the side of the body and kept in that position by a white ribbon on which is woven the words "Weber Duck" in red letters.

The success of this plant is truly wonderful. It made each one of these German boys rich in this world's goods. The beautiful homes, with all modern city conveniences—hardwood floors, hot-water heating, acetylene lighting, etc.—are testimonials of success.

Yet with all their wealth, these two brothers—David and John—are not afraid of work. David attends to the feeding, and superintends the marketing, while John has charge of the incubator cellar, caring for twenty-five incubators, each of 450 duck egg capacity. Another season they will install mammoth machines that will hatch thousands of duck eggs at one time.

The farm consists of more than 100 acres, and while it is waterless as far as bathing is concerned, a water plant is installed to furnish drinking water for the stock. This plant consists of a gasoline pumping engine and a twelve-foot wheel on wood tower, a two-inch main pipe leading to a 14,000 gallon tank, one 2,000 gallon tank, and more than a half a mile of galvanized iron piping. The total square feet of floor space of the building measures 42,040.

Within the range of my observation I am familiar with many successful poultry ventures, and it may not be amiss to recite a few facts about several of them, that these evidences may be used as facts and arguments in proving that poultry keeping is profitable.

Herbert J. Beane, of Warner, N. H., earns \$1,000 a year from his hens. A number of years ago he was a glove-maker in the state of New York. His health was poor, and he returned to his native town where he purchased a five-acre farm. His first hen houses were built of fence boards, and his plant gradually increased until now he winters about 300 hens. His market is at St. Paul's school in Concord N. H., where he receives the best price obtainable for broilers, fowls and eggs.

Mr. Beane hatches 600 to 1,000 chickens every season, and many of these are sold as broilers. His business has so increased that oftentimes it is necessary for him to purchase chickens of the farmers to supply his broiler trade.

His houses are built on the scratching shed plan and his pens are open during bright, sunny days. He believes in plenty of fresh air and sunshine. He uses incubators to hatch his chicks, and a home-made brooder and brooder house in which to rear the chicks.

His plant has been successful from the start, although he has encountered many trying difficulties. Some years he has had very poor hatches; other years his chicks lived only a few weeks; but he has triumphed over all of these trials and has made good.

Another poultry keeper purchased a small village place containing five or six acres of land, constructed two laying houses, each 100 feet in length, a feed room, an incubator cellar, and brooder houses. Four hundred hens are kept; all the cockerels are sold live weight as broilers, and 400 pullets are raised each year to supplant the preceding season's layers. They are kept for market eggs alone, and are marketed in the city of Manchester, being shipped there by express. This plant nets the owner above all expenses, \$800 per annum.

Another breeder of my acquaintance has a well-built plant. He keeps White Wyandottes and Buff Wyandottes. For years he has been exhibiting his birds and improving his flock. He keeps about 300 hens and raises about 500 chickens yearly. His combined income from market, eggs for hatching and from fancy stock amounts to about \$1,000 yearly.

What these men have done and are doing today, you can do. It is up to you. The possibilities are locked up in the fowls. If you know how to unlock the mysteries, the gold will be revealed unto you. There is hardly a community in the United States but that furnishes ample proof of the profitability of poultry keeping. Such evidences can not be disputed, and are fitting tributes to the men who have made such successes possible.

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Nebraska State Fair (Continued From Page Seven)

terer on Handsome Boy; 6, Ketterer on Beau Lad. Junior bull calves—1, Woods on Hero's Knight; 2, Van Nice on Roan Acacia; 3, Achenbach Bros. on Thankful Baron; 4, Walker Bros. on General Nelson; 5, Leeman on Cragg's Archer 2d.

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Senior and Grand Champion Bull—Van Nice on Roan Hero. Junior Champion Bull—Achenbach Bros. on Meadow Sultan. Senior and Grand Champion Female—Walker Bros. on Queen Mabel. Junior Champion Female—Woods on Heyden Rose 2d. Aged Herd—1 and 3, Van Nice; 2, Walker Bros. Young herds—1, Woods; 2, Walker Bros.; 3, Van Nice. Calf herds—1, Woods; 2, Walker Bros.; 3, Van Nice. Get of Sire—1, Woods on Roan Hero; 2, Van Nice on Belvedere; 3, Walker Bros. on Cupbearer's Prize. Produce of Cow—1, Van Nice; 2, Achenbach Bros.; 3, Woods.

Red Polls. Exhibitors—Davis & Haussler Holbrook, Neb.; P. M. Dady, Mason City, Neb.; Q. J. Dady, Mason City, Neb.; Thomas L. Leonard, Beaver Crossing, Neb.

Judge—Prof. H. R. Smith, Lincoln, Neb. Aged Bulls—1, Q. J. Dady on Dixon; 2, Davis & Haussler on Teddy's Best; 3, P. M. Dady on Denver. Two-year-olds—1, Davis & Haussler on Reo; 2, Leonard on Bill Taff; 3, Q. J. Dady on King Dodo.

Junior Yearlings—1, Leonard on Luther. Senior bull calves—1, Davis & Haussler on Leader; 2, Leonard on Stricker. Junior bull calves—1 and 2, Davis & Haussler on Nallor and Charmer; 3 and 4, Leonard on Miller and Surprise.

Aged Cows—1 and 3, Davis & Haussler on Dewdrop and Rosmond; 2 and 4, Leonard on Ruberta and Tulip. Two-year-olds—1, and 3, Davis & Haussler on Inas and Beauty; 2 and 4, Leonard on Dorcas and Daisy. Senior yearlings—1, Davis & Haussler on Gazel. Junior yearlings—1, 2 and 3, Davis & Haussler on Lady Dortha, Valentine Lady and Primrose. Senior heifer calves—1 and 3, Leonard on Evangeline and Lura; 2 and 4, Davis & Haussler on Jennie and Christmas Belle. Junior heifer calves—1 and 2, Davis & Haussler on Miss Cremo 32d and Master Blossom.

Senior and Grand Champion Bull—Q. J. Dady on Dixon. Junior and Grand Champion Female—Davis & Haussler on Dewdrop.

Aged Herds—1 and 2, Davis & Haussler. Young herds—1 and 2, Davis & Haussler. Calf herds—1, Leonard; 2 and 3, Davis & Haussler.

Get of Sire—1 and 3, Davis & Haussler on Teddy's Best; 2, Davis & Haussler on Cremo.

Produce of Cow—1, Leonard; 2, Davis & Haussler.

Winners of association special prizes are identical with the winners in open class competition.

Holsteins. Exhibitors—Frank White, Hampton, Ia.; E. R. Narr, Lincoln, Neb.; T. A. Gliens, Lincoln, Neb.; and C. E. Ager, Lincoln, Neb.

Judge—A. L. Haecker, Lincoln, Neb. Aged Bulls—1, White on Groveland Inka Hijlaard; 2, Gliens on Tate Lincoln. Two-year-olds—1, White on Buffalo Balesdales. Yearling bull—1, White on Groveland Sir Pontiac Inka; 2, Gliens on Sir Monona Paul. Bull calf—1, Ager on Buster; 2, Gliens on Leeda Lad of Walton 2d; 3, White on Groveland Sir Clorhilda Inka.

Aged Cows—1, White on Lady Ona Hijlaard; 2, White on Pauline Witkop Netherland; 3, Narr on Margarite Princess Lada; 4, Narr on Anna Leda. Three-year-olds—1, White on Groveland Pauline Posch. Two-year-olds—1, White on Groveland Johanna Witkop; 2, Gliens on Princess Alcartra Pathena. Yearling heifers—1, White on Groveland Pontiac Hijlaard; 2, White on Groveland Idsky Pontiac; 3, Narr on Lady Mercia De Kol Artis. Senior heifer calf—1, White on Groveland Pauline Posch 2d; 2, White on Groveland Mercedes Inka; 3, Narr on Baroness Artis Jr. B. Junior heifer calf—1, White on Groveland De Kol Inka; 2, Narr on Anna Leda 2d; 3, White on Beauty De Kol Denier 2d.

Senior Champion Bull—White on Groveland Inka Hijlaard.

Senior Champion Cow—Agar on Buster Alma.

Junior Champion Cow—White on Groveland Pontiac Hijlaard.

Grand Champion Bull—White on Groveland Inka Hijlaard.

Grand Champion Cow—White on Lady Ona Hijlaard.

Aged Herd—1, White; 2, Narr.

Young Herd—White.

Get of Sire—White.

Produce of Cow—1, White; 2, White; 3, Gliens.

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Judge—Wilson Rowe, Ames, Ia.

Aged Boars—1, Meyers on Wonder; 2, Reece on Keep On; 3, Waltmire on Royal Champion. Senior yearling—1, Reece on Pathfinder Aleda Belle; 2, Murray on O.

K's Defender. Junior yearling—1, Gilmore & Son on Little Dick; 2, Bode on Chickasaw Model; 3, Reece on Reece's Sam; 4, Reece on Keep On Boy; 5, Meyers on Gold Model. Senior boar pig—1, Reece on Keev On's Favorite 2d; 2, Reece on Keep On's Winner 1st; 3, Slepcka; 4, Meyer; 5, Meyer. Junior boar pig—Reece on Booster; 2, Reece on Royal Prince; 3, Gilmore on Plutarch 2d; 4, Murray on Burr Oak; 5, Slepcka on Wilber Choice.

Aged Sows—1, Reece on Susanna; 2, Reece on Queen's Bess; 3, Waltmire on Fredora; 4, Gilmore on Fairbury Girl; 5, Murray on Lady Jane. Senior yearling sow—1, Reece on Flossie; 2, Reece on Fancy Girl; 3, Reece on Sweet Marie; 4, Bode on Merry Christmas; 5, Waltmire on Ethel C. Junior yearling—1, Bode on May Girl; 2, Bode on May Girl 2d; 3, Slepcka on Lady Pride; 4, Slepcka on Plainview Belle; 5, Reece on Buelah. Senior sow pig—1, Reece on Fancy Wine; 2, Meyer on Model Pearl; 3, Reece on Fancy; 4, Reece; 5, Bode on Chickasaw Girl. Junior sow pig—1, Murray on Snowflake; 2, Reece on Gem's Pride; 3, Murray on Silver Bell; 4, Slepcka on Wilbur Favorite; 5, Reece on Gem's Pride.

Champion Boar—Reece on Pathfinder. Champion Boar Bred by Exhibitor—Meyer on Wonder.

Champion Sow—Reece on Susanna. Champion Sow Bred by Exhibitor—Reece on Susanna.

Aged Herd—1, Reece; 2, Reece; 3, Bode; 4, Slepcka; 5, Gilmore.

Aged Herd Bred by Exhibitor—1, Reece; 2, Reece; 3, Slepcka; 4, Gilmore; 5, Murray.

Produce of Sow—1, Reece; 2, Waltmire; 3, Slepcka; 4, Gilmore; 5, Murray.

Poland Chinas. Exhibitors—Wm. Armstrong, Blair, Neb.; R. B. Baird, Central City, Neb.; Herman Baltz, Fremont, Neb.; John Chrysler, Jr., Dewitt, Neb.; W. M. Conn, Utica, Neb.; J. J. Connelly, Lindsay, Neb.; W. B. Cooper, Milford, Neb.; Dawson Sons, Endicott, Neb.; W. H. Diegan, Raymond, Neb.; C. W. Francisco, Inland, Neb.; H. B. Francisco, Hastings, Neb.; D. J. Frazer, Waco, Neb.; L. P. Fuller, Lincoln, Neb.; N. B. Freeman, Kearney, Neb.; M. O. Froistad, Newman Grove, Neb.; J. H. Hamilton, Guide Rock, Neb.; Hoagland Bros., Glenville, Neb.; Hill Bros., Trumbull, Neb.; Bernard Johnson, Newman Grove, Neb.; C. P. Jones, Cortland, Neb.; A. M. Joy, Herman, Neb.; John Ketterer, Bethany, Neb.; John King, Albion, Neb.; J. A. Kissinger, Milford, Neb.; H. P. Kuhl, Florence, Neb.; H. C. Lucky, Lincoln, Neb.; C. A. Lewis, Beatrice, Neb.; W. A. Lingford, Dannebrog, Neb.; J. W. Leeper, Norton, Kan.; E. E. Matticks, Spring Ranch, Neb.; T. F. Miller, York, Neb.; C. F. Mitchell, Farragut, Ia.; S. A. Nelson, Malcolm, Neb.; T. Neuhofel, Central City, Neb.; O'Connell & Delgan, Malcolm, Neb.; C. E. Osborn, Eagle, Neb.; A. M. Patrick, Herman, Neb.; C. B. Powers, Aurora, Neb.; J. P. Peterson, Herman, Neb.; L. F. Retley, Cushing, Neb.; T. P. Riggs, Archer, Neb.; B. E. Ridgley, Pickrel, Neb.; John W. Smith, Kowanda, Neb.; E. M. Smith, Union, Neb.; A. M. Stewart, Harlan, Ia.; J. A. Schaldecker, Grafton, Neb.; Harry Seltz, DeSoto, Neb.; J. W. Wharton, University Place, Neb.; W. E. Willey, Steel City, Neb.; H. O. Williamson, Herman, Neb.; R. W. Halford, Manning, Ia.; J. W. Pfander & Son, Clarinda, Ia.

Judge—A. J. Lovejoy, Rosco, Ill.

Aged Boars—1, Kuhl on Big Tom; 2, Longergan on Victor's Chief; 3, Neuhofel on Big Orphan; 4, Lewis on Beatrice Exception; 5, Francisco on Panic 2d; 6, O'Connell & Diegan on Old Jumbo. Senior yearlings—1, Lauer on Chief Again Price; 2, Baltz on B's Great Hadley; 3, Davis & Chrysler on Blue Valley Chief; 4, Dawson & Sons on Grandeur; 5, Riggs on Victor Price. Junior yearlings—1, Baird on Columbus; 2, Powers on Expansion Again; 3, Froistad on Orphan's Big Surprise; 4, Halford on Mable's Wonder; 5, Leeper on L's Exception; 6, Fuller on Cotner Boy. Senior boar pigs—1, Lingford on Lingford's Hadley; 2, Lingford on Lingford's Choice; 3, Lingford on Prime Hadley; 4, Baird on Big Col. 2d; 5, Baird; 6, Jones. Junior boar pigs—1, Riley; 2, Frazier; 3, Frazier; 4, Baird; 5, Baird; 6, Blerbower.

Aged Sows—1, Leeper on Tecumseh Hadley; 2, Neuhofel on My Ideal; 3, Jones on Count Me In; 4, Freeman; 5, Blocker on Miss Lucy; 6, Ridgley on Carrol Lady. Senior yearlings—1, Baird; 2, Pfander on King's Giantess; 3, Baird on Baird's Choice; 4, King on Big Molly; 5, Diegan & O'Connell on Lady Tecumseh 5th. Junior yearlings—1, Baird on Baird's Model 2d; 2, Lingford on Hadley's Best; 3, Jones on Blue Valley Perfection; 4, Baird on Fashion's Type; 5, Jones on Highland Daisy Best; 6, Neuhofel. Senior sow pig—1, Lingford; 2, Hamilton; 3, Baird; 4, Willey; 5, Lingford; 6, Neuhofel. Junior sow pigs—1, Baird; 2, Mrs. Baird; 3, Lucky; 4, Kissenger; 5, Lucky; 6, Lucky.

Champion Boar—Lauer on Chief Again Price.

Champion Boar Bred by Exhibitor—Lauer on Chief Again Price.

Champion Sow—Baird on Baird's Model 2d.

Champion Sow Bred by Exhibitor—Baird on Baird's Model 2d.

Aged Herd—1, Baird; 2, Jones; 3, Freeman.

Young Herd—1, Lingford; 2, Baird; 3, Jones; 4, Hamilton & Son.

Get of Sire—1, Baird; 2, Lingford; 3, Baird; 4, Neuhofel.

Produce of Sow—1, Baird; 2, Lucky; 3, Ketterer; 4, Lewis.

Choice Guernsey Bulls. In this issue, Frederick Houghton of Roxbury, Kan., is offering a few choice Guernsey bulls for sale. They are from a very noted sire, and are from high butter testing cows. Don't fail to see Mr. Houghton's show herd at the Kansas State Fair at Hutchinson next week and when you write kindly mention the Kansas Farmer.

Pearl Pagett's Durocs. Pearl Pagett, the Solomon Valley Duroc Jersey breeder, Beloit, Kan., writes that everything is progressing nicely at Alfalfa Stock Farm. Mr. Pagett has for sale 200 spring pigs. He states that he has selected 50 of the best boars for sale that he ever saw. They are the tops of 100 head and there is not a poor one in the bunch. Pairs and trios not related can be furnished at reasonable prices. Mr. Pagett's herd contains as good breeding as can be found in the herd books and the best individuals have always been selected for seed stock.

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No advertisement we could write can speak half as strongly for Suesine Silk as the praise of these hundreds of thousands of fastidious women, and good judges of value, who know Suesine by their own experience—and who buy it again and again every season year after year.

These women refuse all imitations and substitutes—they insist on buying genuine Suesine—with the name along the edge of every yard—like this

SUESINE SILK

Don't be talked into buying a substitute or you will be sorry—these imitations are adulterated with tin, glue and iron dust which make them quickly fall to pieces—don't be coaxed or persuaded into buying them, for you will surely regret it.

We will send you, absolutely free, forty-two samples of Suesine Silk—more than 255 square inches altogether.

We ask only, that, when writing for these free samples, you will mention the name of your regular dry goods dealer, and say whether he sells Suesine Silk or not. Please be sure to give that information in writing to us.

No matter where you live, it is easy to get genuine Suesine Silk

We do not sell Suesine Silk except through regular retail merchants. But if we cannot send you the name and address of a Dealer in your vicinity who has Suesine Silk, we will see that your order is filled at the same price, and just as conveniently, by a reliable retail house, if you enclose color sample and price, 39¢ per yard.

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Made of the best fadeless indigo blue drills and denims we can buy. Cut over perfected patterns, and double stitched by skilled operators in our eight big, bright factories. Legs made from two pieces—just like trousers. Buttons riveted—can't pull off. Buttonholes won't tear out. Plenty of pockets—six in some. Will not become flimsy after washing.

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All through the West leading storekeepers sell Ideal Work Clothes—overalls, jumpers, shirts, duck and corduroy coats—and dress shirts. They're probably sold in your town. If not, send us your dealer's name, and we'll mail you an illustrated booklet and a fine novelty for the children.

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Note its rich aroma, its fine full body, its rare smoothness. That is the blend. Just the coffees required to give you that splendid cup-quality, have been carefully picked to make

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Only tremendous popularity and wide sale make possible so great a coffee value. More cups to the pound than in ordinary coffee, and every cup a new taste-delight. See that the seal is unbroken.



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TONE BROS.
Des Moines, Ia.
There are two kinds of Spices, TONE'S and "others!"

HOME CIRCLE



It is said that peach stains can be removed by washing in cold water without soap before the stains dry.

To mend gloves, cotton thread is better than silk, as it is less likely to cut the kid.

Jealousy and envy are like weeds—they grow quickly and flourish on many soils, but produce nothing that is not despised.

It's said that using milk, instead of water, in the pan when baking chicken will give an added sweetness and richness to the meat.

The New York Public Library on the first day that it was officially opened to the public, welcomed over 50,000 visitors.

All fruits keep better in a dark, cool place. If your fruit cellar is too light, place paper bags over each jar. Write the name of the fruit on the outside and when you have to get something in a hurry it can be easily accomplished and the jar will be clean and the contents in good condition.

If you are in need of a funnel, try this means of making one at home: Tie a string tightly around a bottle just where the neck joins the base. Oil the string and apply a match to it so that it will burn, then plunge the neck of the bottle in cold water. The glass will crack evenly and the base of the bottle drop off, leaving you a serviceable funnel.

He Couldn't Help It.

They had arranged to meet downtown during the afternoon and she had kept him waiting for a considerable time, says the El Dorado Republican. "What do you mean by keeping me standing on the corner like a fool?" demanded the angry husband. "Now, don't start anything, dear," calmly replied the wife. "I can't help the way you stand."

Oldest Christian Church.

Recent excavations on the summit of the Mount of Olives have resulted in the discovery of the remains of a Christian church dating from about the year 330. The floor of the nave is still buried. That of the transepts is entirely exposed.

It is of mosaic and is perfectly preserved. There is a baptismal pool in the south transept. One tombstone has been found bearing the inscription "Theodorus" in Greek letters, which is quite legible. In the chancel are two separate mosaic floors of different designs, one 30 inches above the other.

The lower is considered to be a floor of St. Helena's church, dating from 330, while the upper is a restoration by the Crusaders. The site is taken to be that selected as the spot fixed by the oldest tradition as the place where Christ taught the disciples how to pray.

The Ideal Female Figure.

The following measurements are given as the correct proportions for a beautiful figure:

If a woman is 5 feet 5 inches in height, her extended arms should measure, from tip to tip of the middle fingers, exactly her own height. A woman of this height should measure 24 inches around the waist and 34 inches about the bust.

The upper arm should measure 13 inches and the wrist 6 inches. The calf of the leg should measure 14½ inches, the thigh 21 and the ankle 8. From her thighs to the ground she should measure just what she measures from the thighs to the top of the head.

The distance from the elbow to the middle finger should be the same as the distance from the elbow to the middle of the chest.

From the top of the head to the chin should be the same length as the foot, and there should be the same distance between the chin and the armpits.

The length of her hand should be just one-fifth of her height, and her feet just a seventh and the diameter of her chest a fifth.

8984. A Simple "Dorothy" Dress. Little Girl's Dress.

Effective in white embroidered linen, in gingham, chambray, percale or cash-

mere. The panel portions are joined to side and back portions, that have plaited fullness under the arms. The design is unique and will appeal to all home dress-makers because of its grace and simplicity. The pattern is cut in four sizes, 2, 4, 6 and 8 years. It requires 2 1/4 yards of 44-inch material for the 6-year



size. A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.

8962. A Very Effective Gown. Ladies' Semi Princess Dress With or Without Bolero.

Simplicity and good taste combine to make this style attractive. It will serve as a plain morning or afternoon dress, or with embellishments of trimming, and the bolero, it will prove most desirable for dressy occasions. The waist portions join the front and back panels, which are cut out over a chemisette that may be



of lace or embroidery. The dress, and bolero (which may be omitted) close at the left side of the back. The sleeve may be finished in full or three-quarter length. The pattern is cut in six sizes, 32, 34, 36, 38, 40 and 42 inches bust measure. It requires 6 1/2 yards of 44-inch material for the 36-inch size. A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.

PAID HIM TO CHOOSE SHARPLES

Tubular Cream Separator

Has anyone tried to convince you that disks or other contraptions are needed in modern cream separators? If so, read this:

West Newfield, Me.

The Sharples Separator Co.

The Tubular Separator I bought of you paid for itself in six months with only six cows and left a balance to the credit of the Tubular of \$14.00. People came to my house, saw the Tubular at work, and purchased a Tubular for themselves; others that had separators of another make, after seeing the Tubular at work and the ease with which the bowl was cleaned, traded their separators for a Tubular.

Geo. T. Wilson personally appeared before me and declared the above statements to be the fact.

Luther E. Sanborn, Justice of the Peace

It paid Mr. Wilson to choose the Tubular for Tubulars have twice the skimming force of others and repeatedly pay for the money by saving what others lose. Dairy Tubulars contain no disks—wear a lifetime—are guaranteed forever by American-made oldest and world's biggest separator concern. You will finally have a Tubular. Buy The World's Best first. Save your self the expense of discarding some cheap or complicated separator. Other separators taken in exchange. Write for free trial and catalog.



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HORTICULTURE



Killing Locust Trees.

A correspondent asks how to kill locust trees and also inquires if there is any chemical with which the work can be done. He states that he has tried peeling without success.

If our subscriber will girdle the tree now, during August, and cut off a strip of bark about 10 or 12 inches wide, he will succeed. It is of no use to peel the locust in June.

Common salt put on the stump is, perhaps, the best and cheapest chemical than can be used. If he will bore a hole in the stump and fill it with nitrate of soda and water and then plug up and leave for a couple of months he can then fill the hole with kerosene and pour some over the stump and burn the whole thing.

Value of an Honest Pack.

Next to growing good fruit the important step will be the packing of the same. The consumer has been buying inferior stuff, topped off with nice fruit, so long that he generally looks askance at most fruit packages, unless they come from a district of proven reputation. The growers of Colorado and other mountain states have found that it pays to put up their fruit in neat, attractive packages with all fruit of a certain grade in separate packages. In some districts the rules of the association are so strict that the grower is not allowed to pack his fruit. However, the individual's fruit is packed according to what he grew. If John Jones has carefully tended his fruit and raised ninety per cent number ones and his neighbor, who is more slipshod in his methods raised but thirty-five per cent number ones, each will get credit for the per cent of each grade that he grew. If each grower should have the privilege of packing his own stuff there would be a tendency for the grower of the poorer article to run more of his inferior stuff into the better class. By so doing the high standard desired by the association would be greatly reduced. However, by practicing honesty, and good judgment, by the Association they are able to send their fruits across the continent and receive as much or more for a bushel box than the growers in western New York receive for a barrel. In Kansas, however, there are only a few localities where there are co-operative associations. These have not gotten their affairs as nicely worked out as their western competitors, but much progress is being made. Individuals can do much towards solving the problem themselves. It does not make much difference what package the grower sees fit to use, provided he puts up a good package. The writer has in mind a gentleman in the Missouri valley who has demonstrated that it is possible for the grower to sell to good advantage and thus cut out much of the middleman's profit. This grower, in 1906 had a fine crop of peaches. These were picked and sold to a commission firm in Sioux City at an agreed price. The crop was carefully packed and graded and so well pleased were the buyers that they came back and bought the crop of apples, which were packed in a similar manner. In 1907 the crop was a failure, but in 1908 and 1909 a good crop was again harvested and sold to the same firm at prices that were satisfactory to both parties. In 1910 the crop was a bunker one, and was again sold to the same company at an advance of 25 cents or more per barrel above the average market price, due entirely to the grower's method of packing. It was worth the difference to the buyer to know that he had an article that could be sent out under a guarantee and without fear but that the retailer would be satisfied.

To the grower who has a few hundred bushels or barrels of apples, it is well to get in touch with the market where he hopes to dispose of his crop. Then, use the package best suited; put in only goods of a certain grade and sell it as such. If all would but do this there would not be the necessity for selling good stuff sometimes at a loss.

Just at present the market in Kansas seems to prefer the most of our apples in barrels, though quite a few growers are

now beginning to use the box. It will cost a little more to pack in boxes, but the product will usually sell for more than enough to make up the difference. Only No. 1 stuff should be packed in boxes. Let the No. 2's go in barrels or sell locally, or in any other way possible. A grower at Fort Scott last season packed about 500 boxes. These had been carefully treated and as a result there were practically no wormy apples. Local demand took all of the good apples at prices that were above the average.

Years of experience have proven that it is a safe proposition to pack good stuff carefully and sell it as such, and that it does not pay to pack an inferior article and try to palm it off to the trade as No. 1 stuff. Many districts where good fruit is grown have suffered severely by the dishonest methods used in packing. This isn't always the fault of the grower, as buyers frequently come in and buy up a crop and then pack out as many barrels as possible.

A year ago the writer compiled a list of merchants in various parts of the State with the object of supplying these to the growers of perishable stuff. Should this article be observed by some one who would like to get in touch directly with the merchant, the list of names will be sent free upon request. Incidentally, where possible, information will be cheerfully given to any one desiring it about the picking and packing of fruit. C. V. HOLSINGER, Extension Department, K. S. A. C.

Irrigation Farming Without Stock.

A recent inspection of one of the best known and most famous irrigation districts in the middle west shows an unexpected condition of things.

This region became famous for its wonderful crops and these attracted immigrants and greatly increased the price of land until prices ranged from \$300 per acre upward.

About a quarter century ago these farmers raised live stock in quantities and prospered accordingly. In the last decade however they have turned their attention to sugar beets and the marketing of commercial crops, and their community has suffered to such an extent that the land no longer produces as it once did and the population of both the towns and the farms is decreasing in numbers, while domestic animals are exceedingly scarce.

The soil is very sandy and of comparatively light fertility but was originally capable of growing any crop suited to the climate in the greatest profusion. Now this fertility has been largely used up for lack of manure; the farms are growing less productive each season and the price of land remains high.

Because of their lack of policy which they showed in abandoning live stock on their farms these farmers have a greater difficulty in getting a profit from their high priced acres than ever and the matter is getting worse instead of better.

Irrigation is great. Its results are wonderful and prosperity has come to many a locality which would have remained a desert without it but no soil in any country will long endure continuous cropping with no return of the elements of plant food.

The regions where irrigation is practiced need live stock more than do those in the rain belt, though all need and must have it.

Failure is not the worst thing; giving up is. Don't make the same mistake twice, and don't give up once.

Save the manure. A leak in the barn roof is considered the source of waste, but a leak in the barn floor wastes much more.

A line drawn straight south along the east coast of Florida would not touch the west coast of South America at any point.

The daily papers state that the officials of Iola, Kan., have authorized the destruction, by shooting, of the large flock of blackbirds which roost in the public square of that city. Wonder where Prof. Dyche is?

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 You are in out of the wet if you wear a **FISH BRAND REFLEX SLICKER.**
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 Special arrangement. The Ratekin's Seed House of Shenandoah, Iowa, agree to give FREE a copy of their Winter Seed Catalog and a sample package of their New Imported Malakoff Wheat (a Russian variety) to any and all who return this paper. Write them direct to Shenandoah, Iowa, and you will receive the catalog and sample by return mail.

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SEED WHEAT.
 Zimmerman, Pultz, Blue Stem varieties. Selected and graded seed. Write for prices.
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 Easily produced by the New Farm Cushman—the high-powered, light-weight, fuel-saving engine for general farm work. Advanced 4-cycle type. 4 H. P. rating, but will actually develop over 5 horsepower.
 Automatic throttle governor, with high grade Schebler carburetor, measures out just enough gasoline to do the work required, whether it be a 1 H. P. or a 5 H. P. load. Uses less than **One Pint of Gasoline Per Hour Run Per Horse Power.**
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 This Great Rifle is over 30 inches in length. The barrel is bronze, 16 inches long and finely rifled. It has a built up steel jacket, giving it great strength and durability. The rear sight is open and adjustable and the front is a knife sight. The stock is made of fine walnut with pistol grip as shown. The gun has the hammer action and the shell is automatically thrown out when the barrel is "broken down" for reloading. The gun shoots 22 caliber long or short cartridges.
 This is one of the finest rifles made. I want you to have one. All I ask is a little easy work. Write today and I will tell you about the gun and how to get it.
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 Cheapest and best power known. Average cost one cent per horse power per hour. A superior standard of construction saves time, fuel and repairs. We refer you to thousands of satisfied customers. High grade engines our specialty for 20 years.
 Five Year Guarantee
 T. engine is built for those who want the best. We furnish any size or style; hopper jacket or water tank type. We ship promptly. Everything is complete. Our prices are right. Inducements to introduce in new localities. Write for catalog, stating size wanted.
WITTE IRON WORKS CO. 1637 Oakland Ave., Kansas City, Mo.

ARE YOU WILLING TO BE CONVINCED?
 There can be no permanent fertility unless you restore to the soil the vital elements which have been removed in the sale of crops.
 You Must Buy Phosphorous, and the only economical form is that of Raw Ground Phosphate Rock.
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CENTRAL PHOSPHATE CO., Mt. Pleasant, Tenn.

Readers Market Place

CLASSIFIED ADVERTISING 3 CENTS A WORD

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. The "ads" are easy to find and easy to read. Your advertisement here reaches a quarter of a million readers for 3 cents per word for one, two or three insertions. Four or more insertions, the rate is 2 1/2 cents per word. No "ad" taken for less than 30 cents. All "ads" set in uniform style, no display. Initials and numbers count as words. Address counted. Terms always cash with order. Use these classified columns for paying results.

MALE HELP WANTED.

GOVERNMENT FARMERS WANTED— Examination October 18. High salaries; free living quarters. If you understand farming write today. Ozment, 44, St. Louis.

WANTED—LOCAL MEN TO TAKE ORDERS for nursery stock in Kans., Mo., Ill., Neb.; outfit free; cash weekly. National Nurseries, Lawrence, Kan.

WANTED—Fifty young men to learn telegraphy and accept positions as telegraph operators on the Union Pacific Railroad. Write, mentioning this paper, J. R. Sayers, Supervisor, Kansas City, Mo.

WANTED—500 FAMILIES TO BUY \$50 candy course; learn how to make fine candy. Everything explained. Satisfaction guaranteed or money back. J. W. Embree, Manhattan, Kan.

MEN WANTED FOR GOVERNMENT positions; October examinations everywhere; influence unnecessary; average salary \$1,100; annual vacations; send immediately for list of positions open; common education sufficient. Franklin Institute, Dept. N-88, Rochester, N. Y.

SALESMEN WANTED TO CANVASS the farming and threshing trade, soliciting orders for lubricating oils, greases and prepared paints. Excellent opportunity for right party. Previous experience unnecessary. Address at once the Victor Oil Company, Cleveland, O.

REAL ESTATE.

FOR SALE—80 A ALFALFA LAND. IF interested write for list of ten 80 acre tracts near Salina. V. E. Niquette, Salina, Kansas.

FOR FARMS AND TIMBER LANDS in the Ozarks, write McBride & Bell, Houston, Mo.

CATHOLICS—BUY FARM NEAR \$90,000 church; six priests; circulars free. Box 921, St. Paul, Kan.

FOR TRADE—GOOD CITY PROP- erty here to trade for farm. E. R. Hajnes, Hutchinson, Kan.

MISSES BURKS & PATTON, REAL estate dealers. Write them for information in regard to Arkansas lands, Monticello, Ark.

FARMS FOR SALE OR EXCHANGE anywhere in Kansas, Okla., Mo., Texas and Colo.; write me or call. C. L. Saylor, Topeka, Kansas.

HOMESTEAD RELINQUISHMENTS AND deeded lands in famous Arkansas Valley of Colorado. Act quickly. G. W. Keller, Granada, Colo.

LAWRENCE CO.—RICHEST IN AGRICULTURE and horticulture of any in Mo.; write me the nature of investment you want; large or small tracts; terms. King Collier, Marionville, Mo.

HOMESEKERS, COME TO OREGON, where there are no storms, cyclones or failure of crops; write for list of bargains in stock, grain, fruit and poultry ranches. Henry Ambler, Philomath, Benton Co., Ore.

FARM, APPLES, PEACHES, STRAW- berries, blackberries, bearing. Team mules, wagons, implements, furniture, chickens, feed in barn, for \$1750, or separately. B. E. Lewis, Decatur, Ark.

WEISER, IDAHO, OFFERS WONDERFUL opportunities for farmers, investors, stockmen and fruitgrowers. Splendid climate, reliable information and illustrated literature FREE. Address Weiser Commercial Club, Weiser, Idaho.

FARMS WANTED—WE HAVE DIRECT buyers. Don't pay commission. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 43 Palace Bldg., Minneapolis, Minn.

HOMESEKERS' OPPORTUNITY—Come to Oneida county. Wisconsin; plenty rain, good crops; buy 40 to 80 acres, pay \$3 per acre cash, \$3 more 5 years, 6 per cent, work for me to pay balance or pay \$1 per acre per year. W. W. Thayer, McNaughton, Wis.

40 ACRES, NO BUILDINGS, 3 MILES from this town. Price, \$2000; mortgage, \$600. Want smooth, clear western 160 acres, western Kansas. Also, Buick auto, Model F, all complete. Want clear, smooth 160 acres western Kansas land. Box 606, El Dorado, Kan.

160 ACRES OF WHEAT LAND IN HAM- ilton Co., Kan., 12 miles south of Kendall; 80 acres broke, balance pasture, smooth as a floor, all fenced and cross fenced; good well, no other improvements. Price \$1,000, and a bargain. McNamee Real Estate and Inv. Co., 225 New England Bldg., Topeka, Kan.

TRADE IT—YOU HAVE TRIED TO sell it, but it won't go. What have you got? Farms, ranches, city property or merchandise? Price and describe your propositions, stating what you want, and send them to R. B. Wadsworth, Garden City, Kan.

FOR SALE, CHEAP, OR TRADE FOR Shawnee county property, 8-room house, in fine condition; barn, water, gas, elctern, well and sewer connections; 37-1-2 feet front, at No. 406 Clay st. Splendid neighborhood; good shade. W. Macferran, 412 Greenwood Ave., Topeka, Kan.

WHITE REALTY COMPANY, SELLERS of cheap corn and alfalfa farms, Americus, Kan.

FOR SALE—160 ACRES BOTTOM FARM well improved, 8 room house, good water, good outbuildings; no trades wanted. C. B. Owen, Lawrence, Kan.

FOR QUICK SALE, BY OWNER— Quarter section prairie land, unimproved, all good soil; good for general farming or rice culture; 3 miles from Wheatley; price \$25 per acre; easy terms.—Half section farm, about 40 acres in good timber, balance prairie, some land in cultivation; fair improvements; fine for general farming, rice culture or stock farm; 4 miles from Stuttgart; price \$37.50; easy terms.—Sixty acres fine timber land, fine soil, half mile from Stuttgart; good timber; price \$30; easy terms. E.G. Reinsch, owner, Stuttgart, Ark.

FOR EXCHANGE.

FOR EXCHANGE—80 ACRES LOCATED in the fruit county of Klamath, near Klamath Falls, Ore.; want good automobile worth \$1,500. Address Chas. T. Morse, Oakland, Kan.

OILS.

WRITE US TODAY FOR OUR PRICE list of our complete line of oils; best oils on the market for the price and quality. The Rollin Oil Refinery, Chanute, Kan. (Oldest independent refinery in Kansas.)

HOGS.

FOR SALE—BERKSHIRE BOAR, cheap. L. M. Shives, Iuka, Kan.

FOR SALE, POLAND CHINA HERD boar Sampson 60609; 7 tried sows; 12 fall gilts and 4 fall boars; females sold open or bred. W. A. S. Bird, Topeka, Kan., or Wm. Adams, Walnut Glen Farm, Belvue, Kan.

DOGS.

FULL BLOOD BOSTON BULL PUPS for sale. H. L. Ferris, Osage City, Kan.

COLLIES; 100; PUPPIES, BROOD bitches and broke male dogs. W. R. Watson, Oakland, Iowa.

SOME FINE RUSSIAN WOLF HOUNDS for sale. Edwin C. Albertson, Sedgwick, Kan.

FOX, WOLF, COON, RABBIT HOUNDS; squirrel dogs trained and reliable; guaranteed. E. Hopkins, Mammoth Springs, Ark.

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, Kan. W. H. Richard.

HAY.

E. R. BOYNTON HAY CO. KANSAS City, Mo. Hay receivers and shippers. Try us.

MISCELLANEOUS.

FOR TRADE—A GOOD THRESHING outfit for western Kansas land. Write W. J. Trousdale, Newton, Kan.

FOR SALE—35 H. P. ATLAS ENGINE and boiler; 2 good feed mills, shafting, belting, etc.; all in good order. A. T. Daniels, Columbian Bldg., Topeka, Kan.

TAKEN UP—A STRAY STEER, TWO years old, at N. C. Pedersen's, Route 10; phone No. 5, on 28, Emporia, Kan.

JAS. CULLIAN, County Clerk, Rice County. Taken up—One mule, age 8 or 9 years, mare, brown, one front leg crooked at knee. Was taken up on July 14, 1911, by C. H. Taylor, Marshall, Kan.

W. E. HART, COUNTY CLERK, KING- man county, Kan. Taken up, by F. E. Walter, Spivey, Kan., on the first day of August, 1911, one red steer, mottled face, branded D on right hip, weight about 800 pounds. Value \$30.00.

SEEDS AND PLANTS.

SEED WHEAT, CRIMEAN VARIETY, good quality; write for sample. Alva Alexander, Protection, Kan.

SOW ALFALFA THIS FALL. BUY your seed from The Deming Ranch where it grew. The Deming Ranch, Oswego, Kan.

\$1.00, IF SENT AT ONCE, WILL BUY 25 Norway poplars, the fastest growing tree on earth. Parker Nurseries, Fayetteville, Ark.

PURE KHARKOF SEED WHEAT, grown from college bred seed, inspected and recommended for seed by the Agricultural College. Write for price. F. J. Nese-tril, Munden, Republic Co., Kansas.

FOR SALE—PURE KHARKOF SEED wheat, \$1.50 per bu.; alfalfa seed, \$10.00. Re-cleaned and sacked, F. O. B., Emmett, Kan. Mrs. Theodore Saxon.

KHARKOF SEED WHEAT FOR SALE. Seed originally obtained from Hays Experiment Station. \$1.25, sack included. W. W. Cook, Russell, Kan.

HEDGE POSTS.

FOR SALE—25,000 hedge posts. H. W. Perth, Winfield, Kan.

CATTLE.

ONE RED POLLED BULL 3 YEARS old and one bull calf for sale; registered. C. S. Newton, Norwich, Kan.

60 JERSEY COWS COMING FRESH for winter milkers; must sell 30 head. Come quick and get first choice. O. M. Himmelberger, 306 Folk St., Topeka, Kan.

HOLSTEIN BULL, READY FOR SER- vice. Three of his dams average over 30 lbs. butter in 7 days, officially. \$100. Shawano Stock Farm, Appleton, Wis.

FOR SALE—DOUBLE STANDARD Polled Durham herd bull; Lord Victor X-6471-(258569); sire Lord Mayor, dam Victoria 5th; sound and all right; priced reasonable. Frank Michael, Erie, Kan.

FOR SALE—FINE REGISTERED JER- sey cow; heavy milker and high test; will sell cheap for immediate sale; write for full information and price. Address A. E. T., Kansas Farmer, Topeka, Kan.

JERSEY CATTLE, COLLIES, POLAND Chinas and White Wyandottes; one Scotch Collie pup, female, 8 months old, partly trained, nicely marked, natural heeler, \$16. U. A. Gore, Seward, Kan.

POULTRY.

FINE S. C. WHITE ORPINGTONS \$1.00 up. Elm Ridge Poultry Farm, Severy, Kan.

BARRED ROCK BABIES AND BREED- ers, Eggs, 15, \$1.00; 60, \$3.25; 100, \$5.00; Mrs. D. M. Gillespie, Clay Center, Kan.

ROSE COMB WHITE LEGHORN COCK- erels, 50 cents. Mrs. John Hill, Vinland, Kans.

WHITE WYANDOTTE COCKERELS, \$1 each; three for \$2.50. Geo. E. Gould, Bluff City, Kan.

LOWEST PRICES ON CHICKENS AND ducks; write us your wants; we have a stamp. J. M. Rahn & Son, Clarinda, Ia., Route 15.

BUFF WYANDOTTES—BARGAIN PRICES for balance of season. Eggs \$1.50 per 15; day-old chicks 15c each. High scoring birds only in breeding pens. A rare chance to get a start from high class stock. G. C. Wheeler, Manhattan, Kan.

BLAKER'S BARRED ROCKS ARE SU- preme in type and color, winning at the largest shows. Get my catalog and see for yourself the grand quality I am offering in eggs from blue blood stock. Choice incubator eggs \$2 per 30, \$6 per 100. A. E. Blaker, R. 22, Parsons, Kan.

FIELD NOTES.

Lamer Shows at the Fair This Week

C. W. Lamer, the Percheron horse inspector, just arrived in Topeka, Monday morning with 55 head of Percheron Stallions and will show them at the Kansas State Fair at Topeka, also at Hutchinson, Kansas, next week. Don't fail to see the Lamer Importation while attending the Kansas State Fair at Hutchinson next week.

Potterman's Shropshires.

The card of Joseph Potterman, of Clarksdale, Mo., starts in this issue of the Farmer. Mr. Potterman is one of Missouri's veteran Shropshire sheep breeders, and the Potterman flock is among the best known in the state. This flock is headed by the great imported ram, Idlewood Juvenile 09566R, sired by Reynolds, dam Buttaras Dreamer 11982. Idlewood Juvenile was bred by Edward Nock and imported by J. M. and L. E. Bauer. He was a Royal prize winner at the English Royal and was shown at many of the leading fairs in this country as a lamb in 1908, and was one of the prize winners that attracted the favorable attention of sheep breeders throughout the country. The ewes of Mr. Potterman's flock are all either imported or sired by imported rams, and a better bred lot cannot be found in the country. A large number of the ewes were sired by Dangoorous 1711, he by Traveler 203488, Dam Dyers 241, No. 1855. Mr. Potterman is offering at this time a number of very fine yearlings rams. Write him and describe what you want and remember he guarantees all stock to be just as he describes it to you. He is also building up a herd of big boned Poland Chinas and has a start for one of the best herds in the country. Please mention Kansas Farmer when writing.

Golden Rule Durocs.

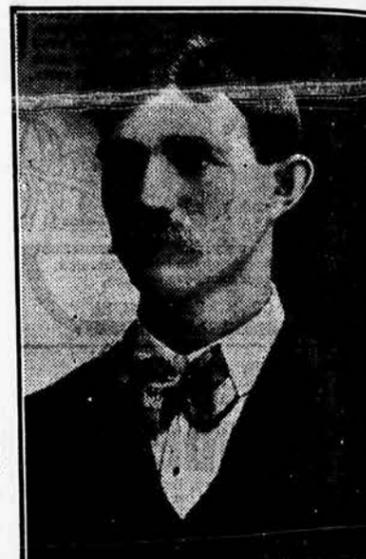
Of all breeders of pure-bred hogs that the writer has visited within the last two years we can think of no single breeder that has made more real progress than has Leon Carter, proprietor of the well known Golden Rule herd of Durocs located at Asherville, Kan. Mr. Carter has a genius for selecting and mating individuals and has demonstrated his ability to produce the kind that is in demand. It will be remembered that the \$500 Parker's Echo was farrowed on this farm, as was the \$250 Worthy Wonder. Mr. Carter has at this time 100 spring pigs that are by far the best that we have ever seen on the farm. They are by a number of different sires, but principally by the boars Dreamland Col. and J. C.'s Defender. Dreamland Col. was sired by Waveland Col., by High Chief, by Ohio Chief. The dam of Dreamland Col. was Lady Golden by Tip-Top-Notcher. It will be remembered that Waveland Col. is the only living boar that ever defeated B. & C.'s Col. for championship. J. C.'s Defender was sired by the 1,000 pound Defender; first at Iowa and Illinois in 1901 and grand champion at International same year. Mr. Carter also owns Golden Rule Wonder, by Chiefs Wonder, he by Ohio Chief. The sows in herd are very large and uniform and represent about all leading strains. Among them are sows by Waveland Col., King of Kantbeater, G. C.'s Kansas Col., Golden Rule Special, Bonnie K., etc. Anyone needing a herd boar or gilt will make no mistake by sending an order to Mr. Carter. His prices are reasonable; he knows how to select a good one and will do it.

Bargains in Royal Engines.

Smith & Sons Mfg. Co., Kansas City, Mo., are new advertisers in this paper, starting in this issue. This is an old established manufacturing company, backed by ample capital and a huge factory. This firm enjoys a high reputation for fair and square dealing and in extending the sale of their

gasoline engines to this territory they are making it possible for farmers to buy high grade engines for prices that scrape the rock. The Royal engine is one of extreme simplicity and great power. It is designed to run all day and all night, too, if necessary, and pull full horse power every minute, without giving any trouble or worry to the operator. It is equipped with a long a little lever. This engine is substantially made in every particular and is peculiarly adaptable for farm use, where the work may vary from running the cream separator, washing machine or grindstone to pulling a heavy feed grinder, feed cutter or corn sheller. The Royal engine is subject to trial and guaranteed fully in every respect. Every one thinking of buying an engine now or in the future should see the Royal engine catalog, which can be had free, simply by writing a postal card for it to the company at the address given above. When writing kindly mention this paper.

W. H. Sales, whose cut is here shown, is one of the progressive young pure-bred swine breeders of central Kansas. Mr. Sales owns a choice, well-improved farm a few miles south of Simpson, Kan., and has a good herd of Poland Chinas, also one of Duroc Jerseys. In this way he is enabled to give the buyer whichever kind he likes best. The farm is fitted up for the business so both breeds can be kept just as easily as one. The Poland Chinas are mostly of the large strains and there are pigs by Expansion Chief, and the best boar Hugo, a boar of Mastodon breeding.



The sows in the herd are daughters of Expansive, First Choice, etc. The Duroc are headed by Barnard Lad, and a son of Chief Tatarax. The pigs, of which there are a nice lot, are mostly by the best mentioned; others by Golden Ruler Wonder. Sows in herd are of Ohio Chief, Kantbeater and Parker Echo breeding. Mr. Sales has a fine lot of pigs of both breeds and will price them worth the money. He can furnish pairs and trios not related.

Breeding Farm Animals.

Prof. F. R. Marshall of the Ohio State University is the author of one of the most modern and practical books on breeding farm animals that has yet been issued. Prof. Marshall covers his subject so thoroughly that his book will be a most welcome addition to the libraries of both breeders and farmers. The book is published by the Sanders Publishing Company of Chicago and Kansas Farmer can furnish it to our readers at publisher's price, which is only \$1.50.

When writing advertisers, please mention KANSAS FARMER.

About Practical Range Economy.

In these days when everyone is feeling the high cost of food, it is remarkable how many sensible, practical, economical housewives fall to practice economy in the kitchen. For instance: so many housewives continue month after month, year after year, trying to get good results out of an old cook stove or range—one that uses twice as much fuel as is necessary to get the best results—and then imagine they are practicing economy merely because they save, for the moment, the price of a new range. Is that real, practical economy? It doesn't take much to demonstrate fully that it is a false standard of economy that permits the burning of the price of a new range every year while in wasted fuel burned in an old, out cook stove or range that was put together with stove bolts and putty for which the putty has dried up and crumbled away, leaving one can insert a table anywhere. The practice of real range economy begins with a visit to the nearest dealer and a careful investigation of the superior merits of the Great Majestic Ranges and Charcoal Range—it is indeed "Range with a Reputation"—it is a perfect baker at all times. The body of the Great Majestic is made of charcoal iron, which gives it wearing qualities that last three ordinary ranges. All top doors and frames are made of malleable iron that won't break, crack or rust. Malleable iron is absolutely necessary for perfectly tight joints and on the Majestic Ranges joints are riveted perfectly air-tight—heat escapes—no cold air can enter—thus the oven can be heated quickly and about half the fuel used in the ordinary range. Majestic Ranges are for sale nearly every county in 40 states. If your dealer doesn't handle them you will do well to write the Majestic Manufacturing Company of St. Louis, Mo., for their illustrated booklet, "The Story of Majestic Ranges" it is well worth reading. At the same time they will tell you where you can see and amine the Majestic and settle the question. (Continued on page 23.)

BEN BELL BREEDER OF BIG BRED POLAND CHINA HOGS

Tuesday Sept. 26th 1911

I have bought this space and am going to use it to tell Kansas Farmer readers about the big Poland China Sale to be held in my sale Pavilion on the above date. I have held several very successful sales in the past and desire to say that this offering, in many respects, excels any offering that I have ever had at a fall sale. I am cataloging about 65 head in all, divided as follows: 35 December and January boars, 15 April boars and 15 December and January gilts. Fieldmen and others that have visited the herd recently tell me this is the greatest bunch of early fall and winter stuff that was ever offered at public auction. They have immense frames and constitutions, having been grown to their present size almost entirely upon alfalfa. For the past six weeks I have been feeding them liberally upon shorts with a small corn ration and I am sure they will look good to you on sale day. The December and January boars and gilts were every one sired by a great young boar, a son of Old Bell Metal. The spring boars are mostly of April farrow and are sons of Old Bell Metal and Whats Ex., the boars that have made my herd well known. The dams of the entire offering are a line of great sows descended from great ancestors. They are daughters of Bell Metal, Whats Ex. and Nebraska Jumbo. Write early for catalogue and study the blood lines of this offering and see if the individuality corresponds sale day.

Free conveyance from Frankfort, Kan.

BEN M. BELL, Beattie, Kansas

Auctioneers: H. C. DUNCAN, HARRY JONES.

Jesse Johnson will attend this sale. Send sealed bids to him in my care.

Big Type Poland China HOG SALE

Thursday, October 5th, 1911
at Jasper, Mo.

45 HEAD OF RICHLY BRED POLANDS WITH SIZE AND QUALITY. 45

1 Tried Brood Sow safe in pig, 15 Fall Yearling
Gilts, 17 Spring Gilts, 2 Fall Yearling Boars, 10
Spring Boars.



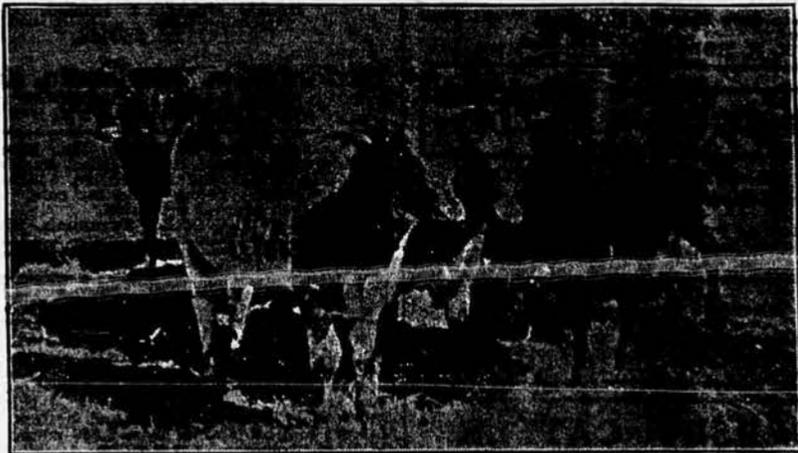
Sired by Belley Sanday, Blaine's Wonder, Hadley Boy and other good sires. This will positively be the best offering I have ever offered to the public, and I ask all farmers and breeders to attend if possible, and if you cannot come send for my catalog, then read it carefully. Then if you cannot come, send a bid on anything you wish to buy to myself or O. W. Devine, representing the KANSAS FARMER, in my care, and you will be treated fair. Sale will be held right in town and under cover. Write today for catalog, and arrange to come.

J. C. STALTER & SON, Jasper, Mo.

SHORTHORN

SALE

THURSDAY, SEPT. 21, AT FREDONIA,
WILSON COUNTY, KANSAS



65 head of registered cows and heifers—representing the best families, such as Young Mary's, Young Phyllis, Britania, Harriet and Imp. Rose of Sharons. All of the cows have raised calves this year, and are bred again. All the heifers are bred. Several of these cows are grand-daughters of Collynie. We make special mention of about 50 head of these cows, such as Collynie, Queen, by Collynie, dam, Twinnie by Royal Knight. Barmpton Breseis, by Kinnellar, dam Breseis Star. Roan Liberty, by Proud Cowslip, dam, Liberty 2nd. Miss Columbia, by Duke of Sharon, dam, Darline. Snowball, by Proud Cowslip, dam, Sycamore Lassie. Mable by Prince Royal, dam, Collynie Queen. Beauty's Lola 2nd, by Aberdeen Champion, dam Beauty's Lola. Choice Princess, by Choice Prince, dam by Choice Goods, dam, Miss Orange Blossom 20 choice cows by Joe's Lord 191987 from choice dams. 16 choice cows by Red Oak 217304, by Collynie. 6 cows by Double Ury 127664—all are in good condition and are a useful lot of regular breeding cows, sold on an absolute guarantee. Send for catalog list and arrange to attend this sale. You will not be disappointed in this offering. We are selling the very best in our herd. Remember the date, Thursday, Sept. 21, 1911. Sale held right in town under cover.

J. E. THOMPSON & SON, Fredonia, Kan.

Public Sale of Registered POLAND CHINA HOGS

At farm 6 miles southeast of Westmoreland, 11
miles northwest of Wamego, Kansas

TUES., OCTOBER 3, 1911

Forty-five head, comprising 23 spring boars, 5 fall boars, 11 spring gilts and 4 bred sows, two of them spring yearlings, the other two fall gilts. The spring division at offering will be very growthy and uniform. They were sired by Grand Look 2nd, grandson of Grand Look and Defender, Jr., by Defender. The fall stuff all sired by Grand Look 2nd. The spring yearlings are by John Long 2nd, a boar of some note, selling for \$450.

DAMS OF OFFERING

I have bought for good prices from some of the leading herds of the country, and have tried to be very careful to secure size and quality. Among the dams of this offering are sows sired by John Long 2nd, and Expansion bred sires. The hogs to be sold have been fed on such feeds as grow on the farm and will come into the ring in the condition that breeding hogs should be sold.

Breeders stop at Meritt House, Wamego. Free automobile to and from farm. Catalogs sent upon request.

Send bids to Jesse Johnson representing this paper

FRANCIS PROCKISH

Westmoreland, + + Kansas
COL JAMES SNODGRASS, Auctioneer

HORSES AND MULES**REGISTERED HORSES**

O. K. BARNES, SAVANNAH, MO.

W. E. Price, Proprietor.

Dealer in registered horses. Three very fine stallions to **SELL AT ONCE**. Also the best stud colt in the state. Write for description of stock. I can suit you.

THE BEST IMPORTED HORSES, \$1,000 each. Home-bred, registered draft stallions, \$200 to \$600 at my stable doors. Address **A. LAIMER WILSON, Creston, Iowa.**

HOME-BRED DRAFT STALLIONS \$250 to \$600; imported stallions, your choice \$1,000. **F. L. STREAM, Creston, Iowa.**

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

Up-to-date Poland China hogs. Write your wants. **H. N. HOLDEMAN, Meade, Kans.**

ANGUS CATTLE**BIG SPRING ANGUS CATTLE.**

Jasper Auldridge & Son, Pattonsburg, Mo., Proprietors

Breeders of pure bred Angus cattle and Duroc Jersey hogs.
Breeding Stock for Sale.

ANGUS CATTLE

Allendale Farm, Savannah, Mo.

W. A. Holt, Prop.

Breeder of pure bred Angus cattle—a few choice young bulls for sale. Prompt answer to inquiries.

JERSEY CATTLE**LINSCOTT JERSEYS**

Offers a few choice cows in milk and some bred heifers. Milk and butter records accurately kept.

R. J. LINSCOTT, Holton, Kansas.

CHOICE JERSEY BULL CALVES.

In age from 3 to 12 months; the best of breeding, colors and individuality.
HENRY E. WYATT, Falls City, Neb.

THREE BULLS, 2, 4 and 18 months, by Beatrice Stockwell, Doudonellar Jewell and Oomeris Eminent; several cows and heifers, all ages, solid colors and bred in fashion; test from 5 to 10 per cent butterfat.
S. S. SMITH, Clay Center, Kan.

GOLDEN BULE JERSEY CATTLE HERD. Headed by Oomeris's Eminent 85865; few bred cows and heifers for sale; reasonable prices.

JOHNSON & NORDSTROM,

Clay Center, Kan.

FOR SALE—Ruby's Financial Count, son of Financial Count No. 61316; the dam is Ruby's Fontaine No. 212934; a 45-pound cow recently sold for \$350; gave 45 pounds of milk per day with second calf, milk testing 5 1/2 per cent, and with last calf at the age of 6 years gave 44 pounds of milk for a long period of time, milk testing 5 1/2 per cent. The dam and grand dam of this cow are both 40-pound cows. Ruby's Financial Count is 2 years old and fit to head any herd. Financial Count is a half brother of Financial Countess, a cow with a butter record of 935 pounds and 10 ounces in one year. This young bull is sure, gentle and a fine individual. **W. N. BANKS, Independence, Kansas.**

SHORTHORN CATTLE**Houx's Polands and Shorthorns**

50 big type Poland Chinas, March and April pigs, sired by two extra heavy boned boars. Priced at farmers' prices. Ready to ship, order now, and get choice. Description guaranteed. Also a few choice Roan Shorthorn bulls to offer. Sired by King Challenger 312040, a son of White Hall King 222724. Prices reasonable. Come or write.
W. F. HOUX JR., Hale Mo.

SHORTHORNS EVERGREEN HOME FARM.

Lathrop, Missouri.

Milking Shorthorn cattle, bred hornless, Berkshire hogs, Oxforddown sheep, Bourbon Red turkeys. Young breeding stock for sale. A herd of 35 bred Oxforddown ewes to go at a bargain if taken at once. Address
J. H. WALKER, Lathrop, Missouri.

ALFALFA SHORTHORNS LEAF SHORTHORNS

Young stock for sale. Also Silver Laced Wyandotte eggs for sale.
JOHN REGIER, R. 1, Whitewater, Kansas.

ELM GROVE FARM.

Shorthorn cattle and Percheron horses. Write for description and prices.
ISAAC NOVINGER & SONS, Kirksville, Missouri.

HERD BULL For Sale

Victor Orange 312830, a Scotch Orange Blossom, sired by Victorious 121469.
H. B. COFFER, Savannah, Mo.

GLEN HALL SHORT HORN HERD

Headed by Choice Prince, by Prince of Tebo Lawn and out of Good Lassie by Choice Goods. 5 choice red bulls in age from 10 to 14 months. Herd header, Prospects.
JOHN O'KANE, Blue Rapids, Kan.

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POLAND CHINAS

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With big quality, good, big husky spring boars; also October, 1910, boars; a number of herd headers sired by Jumbo Prospect, who weighs 850 lbs. in every-day use. Also some by Wonderful and other good boars. Will also sell Wonderful, great good yearling. Send for pictures of both boars, also prices.

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Mastodon Poland China hogs, the big-boned type that will weigh, when mature, to 1,000 lbs.; Mastodon Price, sired by A Wonder, leads this herd. A number of fall boars for sale, also toppy spring boars. If you want the right kind they are at Quality Ridge Farm. Phone me at Dearborn, Mo; Railroad Station, New Mar-Mo. Satisfaction guaranteed; stock sold worth the money.

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Herd of big-boned, high-class Poland China hogs. A lot of very high-class February and March pigs for sale; can furnish no kin; all guaranteed as represented; also safe delivery at your station, and will be sold for the money. If you want big-boned, high-class Poland, write me at Fayette, Mo.

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headed by Big Bill Taft and Pawnee Chief Hadley. Choice lot of spring pigs for pairs or trios no kin, also a few extra good sows and gilts either bred or open. Prices are right. Write DR. JNO. GILDOW & SONS, Jamesport, Mo.

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extra-good Poland China boars of the April farrow by A. L.'s Hadley, sired by Hadley's Likeness and out of a good lot of sows; from \$20 to \$35. L. ALBRIGHT, Waterville, Kan.

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dominate in my herd. Herd boars: sired by Big Hutch and King Hadley by Big Hadley. Among sows are Gran-litter sister to Bell Metal; Pan Prin-weight 725 lbs.; Mollie S., 750 lbs., and Corwin, the dam of Expansion See, the best boar ever owned in the West. 90 pigs farrowed to date. Visitors all welcome. C. W. JONES, Solomon, Kansas.

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60 choice spring pigs sired by Chief Grand Look, Blain's Gold Dust and Gold Bell Medal; out of big-type mature sows; raised under natural conditions; write for description, breeding, etc. M. T. WILLIAMS, Valley Falls, Kan.

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THE STRAY LIST

JOHN E. BARRETT, County Clerk, Woodson County; taken up by A. J. Trowbridge, Yates Center, Kan., one hog, black, four white feet and white nose, on the 8th day of August, 1911.

JASPER T. KINCAID, County Clerk, Johnson county, taken up, by R. W. Victor, Gardner, Kan., one heifer, about 2 years old, fair-sized horns; color deep red; appraised value, \$24.00.

FIELD NOTES.

J. C. Stalter & Son's Sale. On October 5, J. C. Stalter & Son of Jasper, Mo., will pull off one of the most interesting Poland China sales ever held in the southwest part of Missouri. The offering is one of the best to be sold this fall and the blood lines are from the noted Billie Sunday, Blain's Wonder, Hadley Boy and other good sires of the large type of breeding. The catalog is full of valuable information and is ready to mail out. Please look up the advertisement in this issue and write for a catalog. Kindly mention the Kansas Farmer when you write.

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NESS COUNTY "SNAPS"

Write for our list of Special Bargains. We have some prices that will surprise you. Remember that Ness County adjoins the banner wheat county of Kansas for 1910. County map and literature mailed on request.
FLOYD & FLOYD, Ness City, Kansas.

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CHOICE ALFALFA LAND, for sale or exchange. Exchange propositions are made a specialty. **UNITED LAND COMPANY, 902 Schwatzer Bldg., Wichita Kansas.**

160 ACRES, 3 miles of Towanda. A snap at \$7,500. Other good farms in western Butler county. Write for particulars. **G. W. MOORE, Towanda, Kansas.**

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PAUL RESING, Protection, Kan.

SOME OF THE FINEST FARMS in Kansas for \$30 to \$70 per a. Close to excellent town; raise corn, wheat, alfalfa, all kinds of crops; fine water at 8 to 35 ft. Write for free list. **W. C. ALFORD, Hazleton, Kans.**

WRITE FOR MY BIG LIST OF CHEAP cattle, horse and sheep ranches. I have improved farms worth the money on terms to suit in the sure wheat belt. Agents wanted to co-operate.
J. C. WHARTON, McCracken, Kansas.

FOR SALE OR EXCHANGE—Farms and ranches at prices ranging from \$10 to \$40 per acre; send for our dry-weather cut-price list.
SPERRY & OLSON, Hill City, Kan.

A SNAP—\$22.50 per acre. Improved 320 acres, new house, new barn, good pasture, lots of good water, fenced and cross fenced, 70 acres ready for wheat, all tillable. Terms on part. **Taylor & Bratcher, Coldwater, Kansas.**

FARMS, RANCHES AND CITY property for sale and exchange; merchandise stocks a specialty; some small tracts near Wichita, good location for retired people; prices reasonable. **A. N. BONTZ, Wichita, Kan.**

STAFFORD COUNTY, KANSAS. One of the best farming sections in the state; write me for descriptions and full particulars about some of the fine farms I have for sale in this section; good crops all the time.
A. L. McMILLAN, Stafford, Kansas.

FOR SALE—Five sections of level farming land in the great rain belt of Colorado; soft water on each section; shallow water all over; one set of good improvements; fine colonization property. Write
J. L. RECTOR, Cañon, Colo.

A FINE NESS COUNTY FARM. 640 acres, 1 1/2 miles from town; 1/2 mile to school; 500 acres smooth, bal. good pasture; never failing spring, also good well; 4 miles of fence; 300 acres in cult.; land all clear; will trade for good, clean stock of mdse.; price \$20 per acre.
RUTHERFORD & OLIVER, Utica, Kan.

STOP RENTING

Here are 160 acres 8 miles Fall River, Kansas, 85 acres cultivation, balance native grass; 3-room house, common stables, orchard, good water, close school; this farm lies in nice valley; cash price \$4,000; will take \$1,000 in good work and driving teams as part pay. **W. A. Nelson, Fall River, Greenwood County, Kansas.**

Sell or Trade 160 a., Anderson Co. farm to trade for western Kansas wheat; farm must be priced right; \$12,000 stock gen. mdse. for western stock ranch; 160 a. well improved for sale cheap; 77 a. for merchandise. Write us now.
NEAL-BOWMAN LAND CO., Garnett, Kan.

A BUTLER COUNTY BARGAIN. Crops Never Looked Better. 160 a. 5 mi. town, all good soil, 125 cultivated, balance pasture and meadow. Two sets improvements. A snap for a short time at \$55 an acre. Send for full description. Kansas Map and new land list free.
JAS. A. THOMPSON, Whitewater, Kansas.

FOR SALE. A1 feed mill, doing a good cash business of \$150 to \$200 net each month; only one in west part of the county; splendid trade; coal bins on railroad right of way; owner selling on account of losing his wife and falling health; this will bear investigation; in good, live town. For further particulars call on or address
THOS. DARCEY, Real Estate Agent, Offerle, Kan.

EXCHANGES—Lands, city property, stocks and mdse. What have you to offer?
FOSTER BROS., Independence, Kan.

GET OUR BOOK OF 500 FARMS and properties everywhere to trade. **Graham Bros., Eldorado, Kan.**

A GOOD FARM of 240 acres; only 5 miles out; large improvements, good alfalfa and corn land; must be sold; \$55 per acre.
T. B. GODSEY, Emporia, Kansas.

IMPROVED farms to sell at hard times prices; small payment down; balance can be paid from products of farm. **J. H. Fuss, Medford, Okla.**

NORTH ARKANSAS—Cheap improved farm; fruit, stock lands; healthy, mild climate; Frisco railroad. **I. M. Gray, Hardy, Sharp County, Ark.**

BUTLER, HARVEY AND SEDGWICK CO. LANDS.

Plenty of rain and everything looking fine. Come and pick out your farm on next March settlement. All kinds of exchanges. Send for new list.
EBERHART & MELLOR, Whitewater, Kan.

100—CHOICE DICKINSON AND CLAY CO. FARMS—100

80 acres 3 miles from town. 70 a. under plow, alfalfa land, 20 pasture and meadow, 5 room house, good well, barn and other buildings. \$2000 cash; rest to suit; 25 a. wheat included. Write for list. **J. J. Bishop, Wakefield, Kan.**

GREENWOOD COUNTY FARMS and well-grassed stock ranches, in the corn, clover and bluegrass county, for sale at low prices on liberal terms. Write for full information.
J. G. SMITH, Hamilton, Kansas.

LIVE AGENT WANTED in your locality to assist in selling corn, wheat and alfalfa land. We own thousands of acres in Pawnee and adjoining counties. Write for proposition on our own ranches.
FRIZELL & ELY, Larned, Kansas.

FOR TRADE—314 acres, eastern Kansas; well improved; fine home; black prairie land; price \$75 per a.; want income city; we had a big wheat and a big corn crop to gather; write today.
G. T. KINSEY, Le Roy, Coffey County, Kan.

Sale or Trade Fine farms in various mdse. stocks to trade for lands; we can suit you write us. **Johnson Realty Co., Wichita, Kan.**

15,000 ACRES CHEAP LAND, Kit Carson County, Colorado for sale or exchange. Good relinquishments cheap. This is the rain belt of Colorado. Good soil, good water, good crops, everything prosperous. Write for particulars. **GIBSON & NELSON, Flagler, Colo.**

If you want to buy land or make some exchanges. Write **G. K. JACKSON, Eureka, Kans**

A GAS BELT BARGAIN. 60 a., 3 mi. of Fredonia, 1/2 mi. to school, all in cultivation; 6 roomed house, barn, gas well on farm pays \$100 a year, besides free gas for house use, rich soil. A bargain at \$50 per acre. New list free.
M. T. SPONG, Fredonia, Kans.

IF YOU MEAN BUSINESS and have real estate and merchandise of any kind for sale and exchange, and are willing to pay a commission should I make you a deal, write me at once of what you have and desire. I have several very attractive propositions to offer you for a home or investment; am doing a general exchange business. **Carl G. Anderson, Athol, Smith Co., Kansas.**

FOR TRADE

800 a. in Taney Co., Mo., 2 1/2 mi. to town, 100 a. creek bottom in cult., 400 a. fenced; large 2-story house, large barn and other outbuildings; wants mdse.; price \$13,000, mortgage \$5,000.
SPOHN BROS., Garnett, Kan.

320 A. Gov't Homesteads Exceptionally fine land, in well settled community, where good crops are raised every year. Easily worth \$5,000 to \$8,000 by proving up time. Quick action necessary to get one of these. I charge reasonable location fee—write or come at once—you can't lose if you want a good productive home.
CARL M. COOK, Limon, Colo.

Great Farm Bargain

Only two miles from the City of Topeka, 2 miles from street cars, on proposed extension of car line, macadam road; the greatest farm bargain in the county; a fine grain, stock or dairy farm; all alfalfa land; located right to sell all or part in five and ten acre tracts; 155 acres; 145 acres in cultivation, 12 acres alfalfa, balance pasture; practically all tillable; house, barn and other outbuildings are old; good well; this farm is right at the door of one of the largest and best markets in the state for all products; largest creamery in the world here; large packing house; wholesale and retail markets; owner old and wants to sell; only \$100 per acre, small payment down and very easy terms; a snap for the first man with the money.
THE HEATH COMPANY, 100 West Seventh St., Topeka, Kansas.

THE BEST TOWN TO LIVE IN.

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

PECOS VALLEY IRRIGATED LAND

In 10, 20, 40 and 80-acre tracts. You can buy it on your own terms. We help you to build a home and take our pay as the land earns it. Our excursion with our own private car will leave Topeka, October 3rd. We furnish you a complete water works to irrigate with. Write us at once for full particulars, so that we can make reservations on our private car for you.
WOOD & SHUMWAY 534 Kans. Ave. TOPEKA, KAN.

FOR SALE ONLY 108.66 acres, 2 mi. from Wichita, 1 mi. to school. Imp. 7 r. house with alfalfa lights. Big barn for 10 horses, 1000 bu. grain, and with big implement room. Cow barn, 51 stanchions, 12x14 feed room and 12x28 corn room. 90 a. in alfalfa, with overflowing water runs through farm. Good timber supply. 10 a. orchard, a. grapes, 2 cisterns 100 lbs. each. A fine farm in every way. Priced low at \$100 per a. Half cash, bal. on time if desired. **C. E. SLAUGHTER, successor to Thompson R. E. and Ins. Co., 201 E. Douglas Ave., Wichita, Kan.**

Choice Butler County, Kansas. Farm For Sale, (On easy terms) 320 acres, 5 miles from town and shipping point, 10 miles from county seat, 7 room house, good barn about 30x30, good new hog house with cement floor, wells and windmill, 120 acres of bottom land, mostly in alfalfa, 150 acres under balance of farm all smooth level land in native blue stem grass, part pasture and hay, several different fields fenced hog tight; timber enough for posts and fuel, timber feed lots, and creek. Price if sold before October first is \$50 per acre, on easy terms. For further particulars, write **J. C. HOYT & CO., Eldorado, Kansas.**

DICKINSON COUNTY BARGAIN Best alfalfa farm in state for sale. Write for folder giving a description of improved farms located close to Abilene, the great alfalfa, corn and wheat district of Kansas.
R. G. TONKIN, Abilene, Kansas.

IMP. and unimp. land in western Kansas. **W. G. Ruth, Scott City, Kansas.**

WHAT have you to trade for lands or city property? **Hale, Coffeyville, Kan.**

ESTABLISHED 1885—Write for free list. **Park H. Thornton, Real Estate Dealer, Coldwater, Comanche Co., Kansas.**

160 A., 90 IN CULT.; 20 alfalfa, rest pasture; 4 1/2 mi. from town; exchange for general mdse. **J. A. KASPAREK, Belleville, Kan.**

WE TRADE OR SELL ANYTHING ANYWHERE. The Realty Exchange Co., 18-22 Randall Bldg., Newton, Kan.

I MAKE a specialty of Ford county land and Dodge City property. **F. H. SUGHRUE, Dodge City, Kansas.**

CORN, WHEAT AND ALFALFA LANDS. Stock ranches and city property for sale or exchange.
J. N. THOUVENELL, WINONA, KANSAS.

WRITE G. L. PAINTER & CO. About Ford Co. Land. \$15 per acre up.
DODGE CITY, KANSAS.

WESTERN KANSAS Wheat and alfalfa lands cheap; no sand or rock; good soil and productive; write for list; state in first letter what you wish; save delay.
V. C. CUTLER CO., Scott City, Kansas.

FINE HOME, 48 a., one mile of this city, about 38 a. now in cultivation, bal. pasture, 6 room house, new barn 34x60 and hay loft; two wells and mill and other outbuildings; good orchard and all second bottom land. Priced to sell at \$5,500 cash. **E. F. Dewey, Blue Rapids, Kan.**

\$12.50 per acre. 1040 acres in body; half tillable, balance rough, but good grass land; all under fence; half cash, balance easy terms.
TAYLOR & BRATCHER, Coldwater, Kan.

FOR EXCHANGE. A good 160-acre farm in Woodson County, Kansas; 70 cultivated, 60 meadow, balance pasture; no rock; \$65 per acre; mtg. \$4,000. What have you for equity?
A. B. ESTEP, Yates Center, Kansas.

IF YOU WANT TO LIVE come to Springdale; ideal climate, no malaria, no mosquitoes, no Negroes. Suburban homes, small orchards—grain or combination farms. NOW is time to ACT; bargains will soon be picked up. Send 10 cents (stamp for census map); free list. **Fredricks Realty Company, Springdale, Washington Co., Ark.**

PROTECTION, KAN. 160 acres, 6 miles from two good towns, 9 to 12 feet to good water. Level as a floor; 20 acres in cultivation, all first-class alfalfa land, partly fenced. Price \$29 per acre. Write owner.
H. B. PRATHER, Protection, Comanche County, Kan.

IDEAL CHICKEN FARM. 28 acres adjoining Osage City, Kan., 25 acres in cultivation, some fruit, 3 acres tame grass pasture, 5-room house, good cave, new barn for six horses, granary, hen house, good water, close to high school, R. F. D. and phone. Price, \$3,000; good terms.
J. C. RAPP & CO., Osage City, Kan.

480 ACRES, well improved, all good land, no rock or gravel, 5-room house, large barn, well, cistern, close to school and town, on R. F. D.; telephone in house. Price, \$50 per acre. Will take small cash payment; will give long time on balance at 6 per cent. Write for full description.
MANSFIELD LAND CO., Ottawa, Kan.

GREENWOOD COUNTY NURSERY. We have for fall and spring delivery a general line of nursery stock: Apple, crab apple, pear, cherry, plum, peach, apricot, quince, grapes, berry plants, catalpa and black locust. A certificate of nursery inspection with each shipment.
J. W. HINSHAW, Eureka, Kansas.

ONE OF THE BEST PAYING RANCHES in Greenwood county, Kansas, one mile from town and shipping point; 200 acres in cult., 100 acres of which are first bottom land; 200 acres in prairie meadow, 240 acres blue-stem pasture; 2 good sets of improvements; fine protected feed lots with living water; black limestone soil; cheap at \$36 per acre; corn on this ranch this year will make 50 bu. to the acre. **J. C. Talbot, Eureka, Kan.**

BUY OR TRADE with us. Exchange free. **Bersie Agency, El Dorado, Kan.**

FOR SALE—Good hotel, only one in town; doing good business. For this and other bargains write **Box 53, Morrowville, Kan.**

GET MY list of a few choice bargains in Hamilton county, Kansas, land. **Walter, Syracuse, Kan.**

Irrigated Farms in Bent Co., Colo., to be for general mdse. Write me re: Government lands coming under new law.
HARRY C. JOHNSTON, Las Animas, Colo.

KIOWA.—3,160 acre up-to-date farm with drawbacks to location, quality, water improvements. Without flaw. Price \$100 per acre. Write **Griffin Bros., Kiowa, Kan.**

FARM FOR SALE. For 30 days I offer my 160-acre tract for sale at \$60 per acre; good seven-room large barn, good orchard, never-failing spring; 3 miles to town; 3 1/2 miles to car line, 5 miles to Co. seat, Iowa, blue grass and clover pasture; the corn and other grains on place for information write
MRS. J. O. SMITH, Moran, Kan., Box 733.

A SNAP

160 acres fine land, only 10 miles center of Wichita, Kansas; 100 cultivated, balance pasture, all fenced and cross fenced; fine black soil, well, windmill, good 6-room house, barn, 10 head, other buildings. You can buy this farm for less than anything joining and will you big money. Price, \$60 per acre.
SWOPE LAND & INV. CO., Wichita, Kan.

IDEAL BARGAINS

Arkansas river bottom; 80 acres, sandy loam, 15 ft. to water, 4-room barn, mill, young orchard; 4 1/2 mi. of ita. Price, \$100 per acre. City property, small tracts, farms and ranches for sale. **IDEAL REALTY CO., 311 Douglas, Wichita, Kans.**

CHEAP ALFALFA FARMS

160 a., 4 m. good town, fair improvements. 20 a. alfalfa, 25 pasture, balance alfalfa. Price, \$11,500. Terms. Write for list.

Howard The Land

105 North Main, Wichita, Kan.

HERE IS A SNAP. 160 acres, 5 1/2 miles from a good town, 3 miles to R. R. switch, all level, no land, 92 acres pasture and meadow, 2 orchard, balance cultivated, 5-room house, 2 barns, and other outbuildings, 80 a. school; rural route and telephone, no gas in house; a light job goes with it at \$80 per month. Price, \$60 per acre. Write for our land list.
SIMON LAND CO., Garnett, Kan.

Farm Renters Want

We have for rent improved farms, acres up, and tracts of improved land, ready for disking and seeding under the reservoir irrigation system in Colorado. produces three crops alfalfa and large and any kind of grain, sugar beets, and other crops. Splendid climate. Industrious renters, with proper equipment, will get a good return. Farms for sale on easy payments. If interested, write.
LAND RENTAL MANAGER, DENVER RESERVOIR IRRIGATION COMPANY, Ideal Bldg., Denver, Colo.

A GOOD FARM AND HOME. 160 acres, all fenced and cross-fenced, of the place fenced hog tight, 45 acres fine alfalfa, 50 acres pasture, balance high state of cultivation, 2 acres orchard, an abundance of fine water, had had at a depth of 16 feet and good pantry and porches, nearly new; good wells, good 6-room house with good barn, hay fork, and lots of other good buildings. This fine farm is located miles from Wichita and 1 1/2 miles from good railroad town. The title is good and place is clear of all incumbrance. Price make terms to suit purchaser. Price per acre.
Edwin Taylor Realty Co., 107 S. Main, Wichita, Kan.

Good Farm and Stock Ranches

Good farm and pasture land, 200 acres cultivation, living water. Price \$4,500, cash, balance on time, present owner...

ER & JENKINS, Englewood, Kansas.

CHASE COUNTY LANDS

50 acres cultivation, balance pasture, good improvements; best alfalfa and land; one mile out. Write for price lists.

A. J. KLOTZ & CO., Cottonwood Falls, Kansas.

SALE AT A BARGAIN

Saline county farm adjoining the city of Kipp, on the Missouri Pacific; 200 two-thirds bottom land, balance good...

R. P. CRAVENS, Salina, Kansas.

BIG BARGAIN

From owner; excellent stock farm; one-half tillable; fine bluestem and pasture; good soil; extra large...

LOCK BOX 807, Fredonia, Kansas.

FIELD NOTES

FIELD MEN.

Wayne Devine.....Topeka, Kan. R. Johnson.....Clay Center, Kan. J. Cody.....Topeka, Kan.

PURE BRED STOCK SALES.

Percherons.

14-15.-H. G. McMillan & Sons, Rock Rapids, Ia. 15-16.-E. R. Morgan, Blue Rapids, Ia.

Holstein-Friesians.

7-8.-H. C. Gillsman, Station B., Maha, Neb.

Herefords.

10.-Thos. Crawford, Butler, Mo. 17-18.-G. W. Newman, Emporia, Kan. 15-16.-E. R. Morgan, Blue Rapids, Ia.

Shorthorns.

21.-J. E. Thompson, Fredonia, Kan. 1.-Dr. R. A. Stewart, Hutchinson, Kan.

Guernseys.

3.-Wilcox & Stubbs, Des Moines, Ia. 4.-J. F. Stodder, Burden, Kan.

Poland Chinas.

26.-Ben. M. Bell, Beattie, Kansas. 25.-J. D. Wilfong, Zeandale, Kan. 26.-B. M. Bell, Beattie, Kansas. 27.-Francis Prockish, Westmoreland, Kan.

Other breeds.

1.-S. A. Bugg, Hamilton, Mo. 2.-Francis Brockish, Westmoreland, Kan. 3.-J. C. Salter, Jasper, Mo. 4.-B. Dillingham, Platte City, Mo. 5.-L. R. McClarnon, Bradyville, Iowa. 6.-W. H. Emens, Elmdale, Kans. 7.-Frank Michael, Erie, Kan. 8.-S. A. Hobson & Son, King City, Mo. 9.-T. J. Dawe, Troy, Kan. 10.-A. R. Enos, Roma, Kan. 11.-Oak Hill Stock Farm, Esbon, Kan. 12.-Jas. Arkell, Junction City, Kan. 13.-J. D. Spangler, Sharon, Kan. 14.-Geo. M. Hull, Garnett, Kan. 15.-W. E. Long, Meriden, Kan. 16.-J. J. Hartman, Elmo, Kan. 17.-Dietrich & Spalding, Ottawa, Kan. 18.-Roy Johnston, South Mound, Neb. 19.-Geo. W. Smith, Burchard, Neb. 20.-Stodem Stock Farm, Marshall, Mo. 21.-A. R. Ryestead, Mankato, Kan. 22.-Herman Gronniger & Sons, Bonanza, Kan. 23.-Edward Welter, Flush, Kan. 24.-W. F. Fulton, Waterville, Kan. 25.-A. P. Young, Lexington, Kan. 26.-F. C. Swiercinsky, Belleville, Kan. 27.-Albert Smith & Sons, Superior, Neb. 28.-R. M. Finch, Sheridan, Mo. 29.-T. J. Meisner, Sabetha, Kan. 30.-W. R. Webb, Bendena, Kan. 31.-George Wedd & Son, Spring Hill, Kan. 32.-A. H. Foster, King City, Mo. 33.-Eaker Bros., Butler, Mo. 34.-J. C. Halderman, Burchard, Neb. 35.-J. O. James, Bradyville, Iowa. 36.-W. V. Hoppe, Stella, Neb.; sale at Fall City, Neb. 37.-H. Harter, Westmoreland, Kan. 38.-T. Williams, Valley Falls, Kan. 39.-H. G. Walker & Co., New Madrid, Ohio. 40.-H. B. Walter, Effingham, Kan. 41.-H. C. Graner, Lancaster, Kan. 42.-T. E. Durbin, King City, Mo. 43.-M. Willson, Lebanon, Kan. 44.-E. Howard, Morrill, Kan.; sale at Sabetha, Kan. 45.-J. E. Bowser, Abilene, Kan. 46.-H. J. Griffiths, Clay Center, Kan. 47.-E. Klein, Zeandale, Kan. 48.-W. A. Prewett, Asherville, Kan. 49.-Young & Kimberling, Glasco, Kan. 50.-Joe Schneider, Nortonville, Kan. 51.-P. L. Ware & Son, Paola, Kan. 52.-Walter Hildwein, Fairview, Kan. 53.-F. W. Barber & Son, Franklin, Neb. 54.-A. P. Wright, Valley Center, Kan. 55.-C. W. Jones, Solomon, Kan. 56.-Miller & Manderschied, St. John, Kan.

Nov. 17.-J. F. Ware, Garfield, Kan. Nov. 18.-George W. Roberts, Larned, Kan. Nov. 20.-O. M. Furnas, Oxford, Kan. Jan. 23.-T. J. Meisner, Sabetha, Kan. Jan. 24.-A. L. Albright, Waterville, Kan. Jan. 25.-J. H. Hamilton & Son, Guide Rock, Neb. Jan. 27.-A. C. Lobough, Washington, Kan. Feb. 5.-J. L. Griffiths, Riley, Kan. Feb. 6.-Thompson Bros., Marysville, Kan. Feb. 6.-H. C. Graner, Lancaster, Kan. Feb. 7.-Albert Smith & Sons, Superior, Neb. Feb. 8.-T. J. Charles, Republic, Kan. Feb. 8, 1912.-George M. Hull and Col. C. E. Bean, Garnett, Kan. Feb. 9.-W. E. Willey, Steele City, Neb. Feb. 12.-Oak Hill Stock Farm, Esbon, Kan. Feb. 16.-J. H. Harter, Westmoreland, Kan. Feb. 17.-Ernest W. Beery, Shambaugh, Ia. Feb. 17.-A. R. Ryestead, Mankato, Kan. Feb. 20.-R. M. Bunnell, Atchison, Kan. Feb. 20.-E. E. Logan, Beloit, Kan. Feb. 21.-W. A. Prewett, Asherville, Kan. Feb. 22.-C. W. Jones, Solomon, Kan. Feb. 23.-J. J. Hartman, Elmo, Kan. Feb. 24.-C. H. Plicher, Glasco, Kan.; sale at Concordia, Kan. Feb. 27, 1912.-L. R. McClarnon, Bradyville. Jan. 4.-Ben. Bell, Beattie, Kan. Jan. 5.-H. B. Walter, Effingham, Kan. Iowa. Jan. 24.-A. L. Albright, N. E. Copeland, Waterville, Kan. March 2.-F. W. Barber, Franklin, Neb. March 6.-T. M. Willson, Lebanon, Kan.

Duroc Jerseys.

Sept. 30.-Lee Stanford, Lyons, Kan. Oct. 9.-E. W. Davis & Co., Glasco, Mo. Oct. 14.-H. B. Miner, Guide Rock, Neb. Oct. 17.-Pearl H. Paget, Beloit, Kan. Oct. 20.-J. B. Davis, Fairview, Kansas. Oct. 25.-C. E. Conover, Stanberry, Mo. Oct. 27.-Dana D. Shuck, Burr Oak, Kan. Nov. 3.-T. I. Woodall, Fall River, Kan. Nov. 1.-W. E. Monasmith, Formosa, Kan. Nov. 2.-Frank Elder, Green, Kan. Nov. 3.-Grant Chapin, Green, Kan. Nov. 15.-J. F. Stodder, Burden, Kan. Nov. 15-16.-E. R. Morgan, Blue Rapids, Kan.

Land.

Nov. 15-16.-E. R. Morgan, Blue Rapids, Kan. (Capital Bluff Stock Farm.)

Corsas Percherons and Berkshires.

Another breeder of prominence to appear before a Kansas State Fair audience is W. S. Corsas of Whitehall, Ill., who sprang into greater prominence by paying \$10,000 for a Percheron stallion. He is equally famous as a Berkshire breeder and will give Kansas people an opportunity to see samples of his stock at the fairs.

A representative of the Kansas Farmer recently visited the herd of S. A. Hobson & Son, the well-known big Poland China breeder of King City, Mo. They will offer the best lot this year that they have ever sold. Their selections for their sale will be the tops of a large number of very fine early spring pigs. Watch for their sale advertisement in the Kansas Farmer and write them for catalogue.

Fall Seed Book.

We are in receipt of the annual fall catalogue of the old reliable seed house of the Archibus Seed Store Corp., Sedalia, Mo. This catalogue lists and prices an extensive line of seeds, plants and fruit trees, all high grade goods. A copy of this new book will be sent to any address upon application to the company at above address. In writing kindly mention Kansas Farmer.

F. W. Barber & Son's Polands.

F. W. Barber & Son, successful breeders of strictly big type Poland Chinas, located at Franklin, Neb., report everything as being in a flourishing condition in their part of the state. They have decided to sell out their spring crop of boars privately and hold a bred sow sale March 2. They have on hand, besides spring boars, a half dozen very choice fall boars that are being priced very low considering the kind they are.

The Robinson Percherons.

Kansas Farmer readers will be glad to know that the famous Whitewater Falls Percherons will be represented at both the Topeka and Hutchinson fairs by a young stud sired by Casino, the Louisiana Purchase reserve champion. That good Percheron can be had and raised in Kansas is beyond question and that these are the equals of imported animals needs only a look at the Robinson stud to prove.

The Tomson Shorthorns.

No herd of show animals has won more prizes for its owners or the state of Kansas than the famous Shorthorns owned by Tomson Bros. of Dover, Kan. This herd was established by the late T. K. Tomson and is now maintained by his sons. It has been a consistent winner at the big fairs and exhibitions for many years. Visitors at the Kansas State Fair will have the pleasure of inspecting the show animals brought from this herd and will realize the quality of Shorthorns that can be produced in Kansas.

John B. Lawson's Big Polands.

Attention is called to the change in the card of John B. Lawson, of Clarinda, Ia. Mr. Lawson is offering 50 boars and gilts sired by Long King's Equal, and every Poland China breeder knows the reputation of this great boar that has made the Lawson herd famous. The boars and gilts offered by Mr. Lawson at this time are a choice lot of lengthy, big boned fellows,

and out of sows that weighed from 600 to 800 pounds. They are the big, high-class kind, bred right and are right. If you want a herd header, write Mr. Lawson. Please mention Kansas Farmer when you write.

Conovers Big Polands.

C. E. Conover of Stanberry, Mo., who is a well-known breeder of big, high-class Poland Chinas, will hold his annual sale on October 25. At this sale he will offer 20 head of spring boars and 20 head of gilts. This offering has been selected from a large number of high-class February and March pigs, and will be the best lot ever offered by Mr. Conover, and he has offered some good ones in the past. Mr. Conover's herd is headed by C. E.'s Corrector 54004 by Corrector C. 44042. This is a very high-class, big type of boar and has proved an excellent breeder. Empire Chief, Long-fellow Bill, Voter, Perfection Choice, Missouri Metal and other good boars are the sires of Mr. Conover's sow herd, which is second to none in Missouri. If you want an outstanding spring boar or gilt, write Mr. Conover for catalogue, and mention the Kansas Farmer.

Wedd's Big Type Polands.

George Wedd & Son, breeders of the large type of Poland Chinas at Spring Hill, Johnson county, Kansas, has selected 35 spring boars from a bunch of 135 spring pigs which he has reserved for his customers. The whole bunch is good and is doing finely but this choice of boars is extra good. He has done even better in the matter of spring gilts, of which he has reserved 25 or 30 head for his customers. They will weigh up around 150 pounds. All of this young stock was sired by Wedd's Expansion and Kansas Wonder except one litter by Major Look and one by Big Hadley's Model. The dams were sired by such boars as Kansas Wonder, Major Look, Bell Metal, Designer, Blain's Tecumseh 2d, Columbia Chief 2d, Beattie Chief, Union Leader, all of which shows that the owners make good on claiming to have the big type. A splendid offering will be made in their public sale of October 26.

Albert Smith & Sons' Poland Chinas.

A recent visit to the Orchard Home Stock Farm at Superior, Neb., renews the writer's interest in the kind of Poland Chinas that are bred by Albert Smith & Sons, proprietors of this farm. The Smiths are among the best breeders of the West. They raise on the farm and sell annually at their fall and winter sales as high a class of strictly big type Polands as are produced in the corn belt. This firm has been doing business at their present location for a good many years and by judicious selections and careful mating have produced and are maintaining a type that is in demand by the best breeders of two states. About eight years ago they bought the boar Chief of Pawnee, a boar of immense size but with plenty of quality, and a lot of the best breeding sows now in the herd are daughters of this boar. He was followed by Smith's Hadley, a boar noted for his ability to sire strong, straight backed and even litters. The last named sire and Jumbo, Jr., by Nebraska Jumbo, are still the principal herd boars and the sires of most of the spring pigs. Several litters are by Big Sam, the highest priced boar pig sold last year. There are a dozen boars among the spring pigs by Big Sam that are real herd headers. It will be remembered that Big Sam was purchased at one of the best Nebraska sales for \$320. He died during the summer and his get should be greatly in demand. The Smiths made a \$51.50 average on 51 head at their last fall sale and 49 head averaged \$60 at their bred sow sale. Their dates for this season are October 25 and February 7.

Chatham System for Big Crops.

Thousands of farmers, anxious to multiply their crop profits, are now adopting the Chatham System of Breeding Big Crops. The "Chatham System," of which Mr. Manson Campbell is the author, is undoubtedly one of the biggest farming discoveries of the age. It is nothing unusual for a man using the Chatham System to grow as big a crop on 100 acres as his less progressive neighbor grows on 240 acres. The secret of the Chatham System's success is the planting of large, clean, healthy seed which produce bumper crops of oats, wheat, corn, clover, timothy, etc. Thanks to the work of Mr. Campbell, it is now possible to get fine seed grain very cheap. The farmer doesn't have to pay seed dealers' outlandish prices or haul his grain miles and miles to an elevator to get it cleaned and graded. He does his cleaning at home. By Mr. Campbell's method it is a home job, done easily, quickly and at almost no expense. Mr. Campbell advises us that another 10,000 copies of his new book, "The Chatham System of Breeding Big Crops," are now ready for distribution. He wants to give one to every farmer, believing that it will add hundreds of dollars to his crop profits every year. If you want a copy, simply drop a line to Manson Campbell, president, Manson Campbell Company, Detroit, Mich. A post card will do.

Shorthorns at Blue Rapids.

One of the Kansas Shorthorn herds that is destined to become noted is the "Glen Hall Herd," located at Blue Rapids, Kan. Mr. John O'Kane, owner of this herd, formerly lived at Beemer, Neb. At that location he has bred and exhibited very successfully for several years. But, in order to secure more pasture and in other ways enlarge his opportunities, he came to Kansas, buying a 480-acre ranch about three miles from the town of Blue Rapids. The herd at this time numbers about 50 head, headed by the bull Choice Prince, the Prince of Tebo Lawn. His dam was the cow Good Lassie, said to be the best daughter of Choice Goods. Mr. O'Kane, by judicious buying and by his willingness to buy the best, has gotten together one of the best cow herds for the size that can be found in the entire west. Ten of these great cows are now springing to calve and, while pasture has been poor on account of continuous dry weather, these cows are in excellent breeding form. Included in the female part of the herd are Lady Victoria, sired by Imp, Scottish Pride and Elvira C. by Imp, Lord Mistletoe, dam Imp, Elvira. Others are by Lord Darnley and other bulls of note. Among the heifers are some of great merit, some of them in calf to Hampton King, the champion bull at Ft. Worth show this year. Mr. O'Kane offers for sale five very choice young bulls in age

from 5 to 14 months. Four of them were sired by Choice Prince and one by The Dreamer, first prize bull at American Royal last year. These bulls are all reds and good individuals. Parties wanting herd bulls should communicate with Mr. O'Kane before purchasing. Please mention Kansas Farmer when writing.

Shorthorn Sale Sept. 21.

On Sept. 21, 1911, J. E. Thompson & Son, of Fredonia, Kan., will sell at public auction 62 head of valuable Shorthorn cows and heifers. They are a grand lot of regular breeding cattle. All of the cows have raised calves this year and are bred again for spring calves. All the heifers are bred to a pure Scotch bull. The entire offering is well bred and useful herd of producing cattle. Many of the cows are granddaughters of Imp, Collynie and represent some of the best blood lines from the H. M. Hill and S. C. Hanna herds. This sale will afford farmers and breeders an opportunity to buy good breeding cattle at a very reasonable price. The writer knowing this herd to be a producing herd and knowing the blood lines in many of the pedigrees, can honestly say that any farmer or breeder can buy many of these cows at from \$75 to \$100 to keep in his herd to raise steers and they will prove a good investment. As individuals, they are all in good condition and may sell for less than their real value. Don't fail to look up the advertisement and arrange to attend this sale at Fredonia, Kan., on Thursday, Sept. 21. Catalogs and breeding list are ready to mail out. Write for one. Please mention Kansas Farmer.

Better Attend Ben Bell's Sept. 26 Sale.

Every breeder of big type Poland Chinas in the West and all those that have been breeders, will read with interest of Ben Bell's sale announcement, which appears in this issue. It is nothing new for Mr. Bell to make a sale of high class Poland Chinas, but a sale at this season is a trifle out of the ordinary for this part of the country. But this successful breeder raised a great bunch of December and January pigs and the winter being favorable, he grew them out nicely. The big 40 acre alfalfa field nearly did the rest. Six weeks ago they were great, big, strong backed fellows and Ben just bought a car load of shorts and began getting them ready for a sale, thinking that they were plenty large enough to sell and that the breeders and farmers would be mighty glad to buy them just as they have been in the past. It is Mr. Bell's experience, based upon years of breeding, that the older the boar the stronger the litters, so he is delighted to offer this bunch, knowing they will make good in the hands of the best hog men of two or three states. There will be 50 boars sold, including 15 tops from the spring pigs sired by the noted old boars, Bell Metal and What's Ex., and out of as great sows as can be found anywhere. The sale will be a big event and any breeder will find it time well spent to attend, even if he doesn't wish to buy. Write now for catalog, mentioning Kansas Farmer.

High Class Poland China Sale.

On Saturday, Sept. 30, 1911, at Lyons, Kan., Mr. Lee Stanford will sell his entire herd of Poland Chinas. Mr. Stanford is selling this herd for the only reason that for a year or more he has been in poor health and is not able to manage his herd as he usually cares for them. This is one of the best herds of large, high class Poland Chinas in Kansas. Several of the sows weigh in the 500 and 600 pound class. One of the attractions is Starlight. This sow was a champion at our State Fair last year. She weighed 705 pounds last spring three weeks before she farrowed ten pigs by Smuggler, Beauty Challenger, by Perfect Challenger, is another good sow that is large and smooth. She always raises large even litters. Don't fail to bid on her. You cannot buy her too high. Lady Mischief, by old Mischief Maker, is a good sow and a regular producer. She is large and full of quality. Lula 2d by Corrector 2d, is one of a few sows living by the noted Corrector 2d. She is a show sow and a brood sow combined and worth all any breeder may buy her at. Lula 1st, by W's Perfection, by old Grand Perfection, has a line of breeding that has always made good. S. P.'s Lady, by S. P.'s Perfection, the Iowa champion, is one of the very fine sows in the herd. Don't fail to see the young herd that Mr. Stanford will show at the Kansas State Fair at Hutchinson next week. This young herd is only a sample of 40 head of spring pigs he has at home that will go in the sale on Sept. 30, 1911. Please look up advertisement in this issue and send for catalog. Kindly mention the Kansas Farmer when you write.

Prockish Poland Sale October 3.

of Westmoreland, Kan., will hold a public sale on Tuesday, October 3. The sale will be held at the farm, six miles southeast of Westmoreland and 12 miles northwest of Wamego, Kan. Mr. Prockish will sell about 44 head in all, consisting of spring boars and gilts, fall boars, two spring yearlings and two fall gilts. He fall gilts and spring yearlings will be bred. Mr. Prockish, although perhaps not as well known as many breeders advertising in Kansas Farmer, is nevertheless one of the very successful breeders of his part of the state. The herd was established about 5 years ago with seed stock selected from the best herds of Kansas, Nebraska and Missouri. The spring boars and gilts that go into the sale will have lots of size, but will not be very fat, for Mr. Prockish has a theory that over-feeding to some extent destroys the breeding value of young stock. The fall boars are big, smooth fellows, several of them regular herd headers. The four head that go into the sale as bred sows are put in as sort of attractions. The two spring yearlings are daughters of the \$450 John Long 2d. The spring part of the offering was sired by Mr. Prockish's herd boars, Grand Look 2d and Defender, Jr., by Defender. Grand Look 2d is a grandson of the noted prize winner, Grand Look. Both of these boars are good individuals and have plenty of size. The fall boars were sired by Grand Look 2d. Also the two fall gilts that are bred and included in the sale. Mr. Prockish will present the offering in nice condition and will be satisfied with reasonable prices and will certainly appreciate the presence of hog men, whether buyers or visitors. Arrangements have been made at the Merritt house, Wamego, Kan., for accommodation and free automobile livery to and from farm sale day. Write for catalog mentioning Kansas Farmer.

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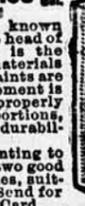
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Ready Mixed—Guaranteed
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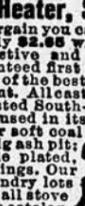
100 As't'd Carriage Bolts, 45c
Every farmer, mechanic and blacksmith should have this handy bolt assortment which consists of 17 lengths and sizes from 1/2 to 5 inches long by 1/2, 5/8 and 3/4 inch diameter. Bolts are all of first quality with well cut threads, useful as all times—indispensable in cases of emergency. You would ordinarily pay about \$1 for a lot of bolts like this. Our price wrecked to only 45c.



Seamed Tapestry Brussels Rug 20 M. T. 7205. Extra high quality with pure worsted face. \$8.65
Closely woven in a very handsome Oriental pattern that's sure to please you. Strictly fast colors. Three contrasting medallions in tan, brown, green and ivory. Three-tone green the predominant color. A real market bargain at this special price; you save over 1/2. 8 1/2 x 10 1/2 feet, only \$8.65; 9 x 12 feet, \$10.00; 11 1/2 x 12 feet, \$12.65.



Noble Junior Oak Heater, \$2.65
Here's a price wrecking bargain you can not afford to overlook. Only \$2.65 will buy this economical, attractive and durable Oak Heater. Guaranteed first class in every respect. Made of the best available materials throughout. A least part made of chemically treated Superior pig iron. No scrap iron used in its construction. Burns hard or soft coal or wood. Ten inch firepot; big ash pit; handles clean, now and ready to use. Highly polished nickel trimmings. Our method of buying entire foundry lots enables us to save you 50% on all stove purchases. Send for free stove catalog.



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Extra Quality Linoleum 41c
An extra good quality, well finished and seasoned print Linoleum that usually sells for nearly twice as much. Terra cotta, tan and cream tile pattern, printed extra thick. From a most reputable manufacturer and guaranteed to give splendid wear. One of the best sellers and a genuine bargain at this price. Six foot wide, per running yard, only \$2c; per square yard, 41c.



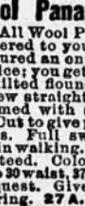
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Strongest and best Hog Trough ever offered. Made of 1/2 inch boiler steel. Can't be broken, yet price is lower than for commonest kind. Specially cleaned, sanitary, suitable for all stock and poultry. Length 5 ft., width 12 ins., depth 6 ins., weight about 40 lbs. Wrecking price \$1.05. Over 150 other styles and sizes.
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This All Wool Panama Skirt is offered to you at half its real value. We captured an entire stock at a ridiculously low price; you get the benefit. Made in the latest killed flounce style and is cut to give the new straight line effect. Side gores are trimmed with silk braided loops and buttons. Out to give perfect hang by alternating plaits. Full sweep around bottom, ample room in walking. Best workmanship, in navy blue, Colors, black or navy blue. Sizes, 22 to 30 waist, 37 to 44 length. Cloth sample on request. Give your measurements when ordering. \$7 A. D. All Wool Panama Skirt, \$2.65. Postage 25c extra.



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This high-grade Harris A Sewing Machine, guaranteed for 20 years, for only \$20.75 and we pay freight to all points East of Denver, Co. Besides you are allowed 60 days in which to try it in your own home. Notice the beauty of design; golden quarter-sawn oak, hand polished ball bearings, drop front, automatic lift. A full set of attachments with each machine. The finest material, best workmanship. Greatest bargain offered. Send for our Sewing Machine Catalog—free.



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Per Keg. Nails that are built for keeps—outlast all others and hold better. Cheaper than ordinary wire nails. By a patented process they are coated with cement preparation that lasts forever. Drive easily but are hard to pull out. Once used and you will have no others, as for every purpose they are far superior to the common kind. Full kegs—not lb. weight.
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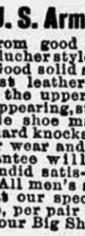
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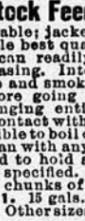
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Special Single Shot Gun, \$3.70 Smokeless Blued Steel; taper choked bore, reinforced breech, case hardened frame, good quality fore end pistol grip stock, rubber butt plate; wt. about 16 1/2 lb.; 12 or 16 gauge with ejector, \$3.70.



Famous Wool Finished Blankets 24 D. 760. This famous Wool Blanket, woven from yarn especially prepared. Ends have deep fancy borders and are finished with silk tape. Soft, warm, comfy. Gray or tan. Do not show soil quickly. Positively guaranteed. Size 66x88 inches. Shipping weight about 4 pounds. State color when ordering. Price per pair..... \$1.90



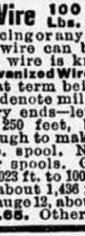
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Per 100 Sq. Ft. Greatest price wrecking Roofing offer ever made. We have literally smashed prices and this is your opportunity to save 50%. We bought 5,000 squares at a forced sale and must dispose of it quickly. Specify lot 700 as we do not pay freight at this price. Write for prepaid price list. FREE—One fine utility hammer with order.



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Suitable for fencing or any purpose where ordinary wire can be used. This wire is known as Galvanized Wire Shorts, that term being used to denote mill or factory ends—lengths 50 to 250 feet, but not enough to make a full 100 lb. spool. Same as regular spools. Gauge 6, approximately 1,025 ft. to 100 lb. coil, \$1.35; gauge 8, about 436 ft. to 100 lb. coil, \$1.40; gauge 12, about 342 ft. to 100 lb. coil, \$1.65. Others cheap.



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Special Single Shot Gun, \$3.70 Smokeless Blued Steel; taper choked bore, reinforced breech, case hardened frame, good quality fore end pistol grip stock, rubber butt plate; wt. about 16 1/2 lb.; 12 or 16 gauge with ejector, \$3.70.



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