

KANSAS FARMER

For the improvement of the Farm and Home

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HOW TO GET FERTILE EGGS

By THOMAS OWEN

While it is comparatively easy to get fertile eggs in April and May, it is quite a problem to get them early in the hatching season. The larger breeds of poultry must be hatched early or they will fail to mature before cold weather comes. Fanciers desire their young stock to be of Standard weight in time for the fall fairs and winter shows, hence the desirability of early hatchable eggs.

To get such eggs four essentials are necessary: Proper stock, proper feed, proper housing and proper care; and under these headings will we treat the subject.

To get fertile eggs you must have healthy, thrifty and vigorous stock, not too young nor yet too old. If the parent stock is very young, the progeny is apt to be puny and weak; therefore we would advise breeding from fowls that are nearer 2 years old than 1 year old. Many breeders breed cockerels on 2 or 3-year-old hens and cocks on pullets, which equalizes matters to a great extent. But the best mating for hardy and vigorous chicks is a 2-year-old male on 2 or 3-year-old hens, and if, by virtue of her excellence, a hen has been kept for four years, her progeny will be all the larger and stronger.

One has to be on the lookout and see that the inmates of the pen are all suitably mated. Sometimes a male has a preference for one particular hen and pays no attention to the others, thereby causing many infertile eggs to be laid. In such cases the male must be changed another. If this is not possible or desirable, the favorite hen should be removed from the pen for a while and returned later if desired.

Granted that the stock is all right, the next requisite for fertile eggs is proper feed. As these eggs are required during the latter part of winter the means to get them must be used in cold weather. Winter is not the natural time for a hen or any of the feathered tribe to lay eggs. We must therefore resort to unusual means to procure them at this time of the year. Summer, with its warmth, green grass, vegetables, bugs and insects, is the ideal time for laying hens. If, therefore, we would obtain eggs in cold weather, we must try and make the conditions in winter similar to those of the summer time. In summer the hen gets bugs and insects by the hundreds. In winter we must provide her with something to take the place of these in the shape of cut green bone, beef scraps, boiled liver, hearts, lights, etc. In the place of the green grass of summer we must feed her with cabbage, beets, turnips, mangels, small potatoes and such like.

I have experimented with dry feed and mashes and have demonstrated that it is best to feed only a small proportion in mash form, and that preferably at noon. Though morning is generally the time that mashes are fed to chickens, my experience is that if you feed a warm mash to hens on a cold morning they will gorge themselves with this feed and remain inactive till the next feed and thus become chilly and sluggish, whereas if you feed them small grains among litter in the morning, they will scratch for it until they become warm and active. It is not necessary, though, that it be an iron-clad rule to feed mashes at noon. I would break the rule occasionally and feed a warm mash on a very cold morning.

In the morning, generally, I would feed a mixture of wheat, oats, Kafir corn and millet. These smaller seeds are mostly for the purpose of making the hens take longer exercise in finding the smaller seeds than they would the heavier grain, and without exercise and activity there will be no eggs. These grains I would place in the scratching shed, among six or eight inches of litter, such as chopped straw or hay, and let the hens scratch for this till noon. Occasionally I would throw a sheaf of oats, unthreshed, on the floor of the scratching shed. The hens will soon thresh out all the oats. Kafir corn heads and millet hay with the seed on is also good to make the hens work for a living. At noon I would feed a mash taken from a mixture made of 10 pounds corn meal, 10 pounds pea meal, 10 pounds bran, 1 pound meat scraps or green cut bone, 10 pounds alfalfa meal or 20 pounds cut alfalfa, with some boiled potatoes or turnips. I would moisten this with skim milk, not making it too wet, but of a crumbly consistency. I would change some of these ingredients on different days, sub-

stituting barley meal for corn meal, or rye meal for bran. I would boil a beef head or liver, lights and hearts of cows and hogs, feed the boiled meat in place of the meat scraps, and moisten the mash with the soup in place of the skim milk. I would salt this soup to make it more palatable. If I had a bone cutter I would grind up the bones I had boiled, or if not, mash them with an axe. At night I would feed corn, whole and cracked, soaked oats, peas and sunflower seeds. I would vary the night feed occasionally by feeding Kafir corn, rye, barley and buckwheat in place of the other cereals. Fowls, like every living creature, like a variety of food—sameness stalls on them. I would have no Mede or Persian law that never changes, no set rule or law to stick by forever, but give them as many changes of diet as I could, always remembering the highest nutritive ratio runs as follows: Peas, sunflower seeds, wheat, rye, oats, millet, corn.

Pure water, of course, should be provided at all times, and skim milk as a drink would be found profitable and beneficial. Grit, oyster shells and other shell-forming material should be provided. As a conditioner I would occasionally feed a little linseed meal in their mash. Charcoal is also good for this purpose. I would char some corn and feed it warm on very cold days. Green feed should be supplied liberally. A cabbage or beet hung up in the pen is good to induce the hens to exercise themselves, while at the same time supplying them with green food. The seeds and leaves from the hay mow, especially if there is alfalfa, is good for green food and for scratching in.

I give no stated quantity of feed to a stated number of hens, for the simple reason that the appetites of fowls vary according to breed, size and condition, and a rule for one flock of fowls would not apply to another. Common sense must be used in the quantity fed to the flock. I believe in liberal feeding. Feed all they will eat up clean of the mash, and as much dry feed as they will scratch and hustle for. If they appear sluggish, withhold the feed till they get hungry. The hens must have plenty of pure, wholesome feed if you would have plenty of eggs. They can no more make eggs out of nothing than the Israelites of old could make brick without clay and straw. Some breeders claim you can get a hen too fat to lay, by overfeeding. This may be so occasionally, especially where the hens are old, and it is advisable to withhold feed from such till they get into proper condition. But where there is one hen over-fat, there are 10 too thin. I will risk the too-fat business if you give them plenty of exercise. It is not easy to get active, thrifty pullets or young hens too fat, though old hens sometimes get in that condition.

The next requisite for fertile eggs is proper housing. A hen won't lay eggs in an ice house, and though there are lots of eggs in a cold storage plant, the hens do not lay them there. Avaricious men do that, and keep them there for six months or longer, then sell them to the unsuspecting city housewife for strictly fresh eggs. Laying hens must have a warm, roomy house. By roomy I mean large enough for them to roost in comfort and to exercise in while scratching for their grain. If a scratching shed is attached to the house, the latter can be smaller. It is best not to have the house too high, for hens do not need much head room. Artificial heat is not necessary, but a house warm enough to prevent water from freezing is requisite. I believe in lots of glass, to get all the sunshine and warmth that is possible. A house facing the south is preferable, with a gradual slope, in order that the surroundings may be dry. I have demonstrated the fact that I can get eggs six weeks earlier in a house facing the south with plenty of glass in the front, than from a house facing the east and with little glass in it. Some say that much glass will cause the house to be too cold at night, but I would rather have too much glass than too little. I can prevent the radiation of heat at night by having thick canvas curtains to be drawn down over the windows on cold nights. Curtains in front of the roosts are also very handy to prevent the freezing of combs in severe cold weather. Open front poultry houses have been advocated lately, but I think our climate is hardly adapted to this kind of house. Curtain-front house

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(Continued on page twenty-five)

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THE STALLION LAW.

When the present stallion law was enacted by the legislature of Kansas it was made the basis of a great deal of adverse criticism, and men even complained that they had been legislated out of business and their property had been confiscated. Like everything else, this question has two sides to it. The law did result in putting a large number of low-grade stallions out of business, and, while the individual may have suffered somewhat, the public has benefited.

The object of this law is to proscribe those horses which are unsound and unfit for use. It does not require that a horse shall be registered or pure-bred, but it does require that he shall be free from any unsoundness which will be propagated in his progeny, and the law does require that the owner of such a horse shall tell the public the facts about him. The public has a right to know these facts, and if the horse is unsound they have a right to demand that he shall not be used. No longer can a stallion pose as a pure-bred or registered animal when he is only a grade or is cross-bred. The stallion registry board does not give pedigrees, and the certificates which they do issue to owners of stallions do not in any way make them registered animals. There are some men in Kansas who claim to have registered stallions when in reality they have nothing but grade, and no "papers" on the animal except the certificate from the stallion registry board. The public is cautioned against such men and should demand of them not only the certificate issued by the registry board, but also the pedigree certificate issued by the registration society for that breed. If these two papers from these two sources are not in possession of the owner of the animal, he should receive no patronage as a pure-bred.

Of the 5,393 samples of foods and drugs collected on inter-state shipment and analyzed by the bureau of chemistry of the Department of Agriculture last year there were 3,280 that were found to comply with the pure food laws and 3,113 that were adulterated or misbranded. Of the 9,698 samples of food and drugs that were imported, 3,085 were condemned as adulterated or misbranded. From these figures it is easy to see that foods and drugs manufactured in this country and which were transported on inter-state shipment were found to be nearly one-half misbranded or adulterated, while those which were imported from foreign countries had only about one-third of their number condemned. Is this because American manufacturers of such articles are more venial, or because importers cannot afford to assume the risk of condemnation on imported goods?

It has been thought in some quarters that the Kansas University was opposed to the Kansas Agricultural College to the extent that the university was disposed to absorb the agricultural school, or at least to take from the latter such lines of work as would seriously cripple its efficiency in agricultural education. Of course there was no foundation for any such belief. It is refreshing, however, to note that Dean Marvin, of the University engineering department, cleared the atmosphere somewhat when in a recent speech he said: "We have no desire to run away with the agricultural college, or with any part of it. It has its work to do here." Dean Marvin, or his associates, could not run away with the school, of course. Kansas farmers will see that no one runs away with it. But it is a comfortable feeling to know that the attempt will not be made.

Work never hurt anyone who didn't want to be hurt.

THE MUD TAX IS HEAVY.

With the return of milder weather after the season of intense cold and heavy snowfall has come a condition which has served to practically isolate the farmers in some sections of Kansas from their fellow men. Thanks to the rural telephone, they are still in communication with the world which lies beyond their woven wire fences, but the roads are in such bad condition that very little traveling is done, and the transportation of heavy commodities is practically impossible. As the intense heat and drouth of last summer turned attention, in a more intense and personal way, to the value of the silo, so the impassable condition of the rural highways has awakened a greater personal interest in the gospel of good roads. Perhaps there never was a time in the history of Kansas when the interest in good roads was so intense or so general among all classes as right now. Various influences have tended to produce this interest but none have seemed to clinch it like the muddy condition which followed the heavy snowfall and cold weather. There is little excuse for bearing up under this almost unbearable mud tax when any handy man can make a road drag which any boy can drive. The use of the road drag is certain to improve the roads and reduce the mud tax at least 100 per cent, while the added use of some of the crude oil which pours forth in millions of barrels each year from beneath Kansas sod would make the country road almost the equal of the city street and at only a fraction of the cost. In one respect good roads are like heaven—the objects of very general desire and of very general neglect.

The dominant vocation should have a major place in the course of study for the public schools of the state. The dominant vocation for the men of Kansas is agriculture, and for the women everywhere is home-making. The public rural schools should have included, as a part of the necessary course, the elements of agriculture and of home-making so planned as to adapt themselves to the understanding and advancement of the pupils. Every high school in the state should have a major course in agriculture and in home economics, and these should be so arranged that a full course of four years, a good course of two years, and a short course in each should be provided for the various classes of students. Those who come from the farm and expect to return to it could then have the advantage of the full four years' course, or a shorter two years' course, while all should have some instruction in these subjects. The biggest educational problem in Kansas is to re-direct our public schools so that they will give vocational guidance to all of our youth, and vocational training to those who desire it.

A correspondent asks advice in regard to the use of nitrate of soda on a field which has been cropped continuously in corn for many years. This substance is one of the richest available fertilizers where nitrogen is required, but it does not seem right that Kansas in her youth should have fields so worn out that artificial fertilizers of this kind are demanded. Barnyard manure will do very much to restore such a field, and if its application can be followed by a few years of alfalfa the soil will probably be as good or better than ever. If the alfalfa will not grow, it is safe to say that sweet clover will, and this is one of the very best known plants for conditioning old land or taming new land. A crop of sweet clover plowed under will probably put the ground in excellent condition for an alfalfa crop, and after alfalfa all things are possible. Nitrate of soda is a wonderful fertilizer, and nothing exceeds it in value where nitrogen is needed and quick results wanted.

POULTRY HOUSES IN KANSAS.

Proper construction of poultry houses is a subject of vital importance to every poultry raiser. Different sections of the country require different kinds of houses. Ordinarily, the winters of Kansas are not severe—the present winter is an exception—but this unusual weather condition for our state shows us that in building poultry houses, special provision must be made for meeting just such conditions as have existed throughout the entire state this winter.

In this issue of KANSAS FARMER appear several reproductions of photographs of poultry houses used at the Kansas State Agricultural College. The poultry division of the college is conducted for the benefit of Kansas poultry raisers, and the poultry houses used for experimental purposes are designed to meet Kansas conditions and the requirements of Kansas folks.

It would be well for poultry raisers to note the construction of these houses as shown by the illustrations, also the uses they are put to at the state school. You can secure complete information regarding these buildings by writing Wm. A. Lippincott, Professor Poultry Husbandry, Agricultural College, Manhattan, Kan. Prof. Lippincott has come to Kansas for the sole purpose of devoting his entire time to the betterment of Kansas poultry conditions, especially on the farms, and we know he will be glad to tell you how he thinks Kansas poultry houses should be built for best results.

The hens of Kansas are valuable property—far too valuable to be poorly housed, especially during such a severe winter as this has been. Protect the hens and they will pay you well for so doing.

Friends of the Kansas Agricultural College will be gratified to learn of \$20,000 having been given the college from a most unexpected source. This amount had been willed the college by Mrs. Mehitable C. C. Wilson. The money is to be expended for a building to be erected under the direction of the regents, to be known as Wilson Hall. Or it may be added to the present endowment fund of the college, as the regents may desire. It is more than likely that a dormitory for girls will be suggested by the regents, although the will makes it possible to use the money for any building called Wilson Hall. It might, for instance, be used for a thoroughly modern restaurant, which is already being planned for student use. The dormitory and restaurant plan is being operated successfully by the Minnesota Agricultural College and Kansas can well afford to consider the same plan. It will add to the college's efficiency. Mrs. Wilson was the widow of Davies Wilson, a large owner of the original site of Manhattan.

Few people realize the magnitude of the wealth produced by the poultry of this country. Secretary Wilson states that the returns from poultry and eggs last year aggregated over one-half billion of dollars for the whole country. This is in excess of all the products of the gold mines of the United States and territories. It is an important item in the aggregate of the total farm products of the country, all of which is new wealth created each year out of the soil. The hen and her brood keep close after the dairy cow in the production of wealth each year, and these startling figures have led many inexperienced enthusiasts to believe that a fortune is to be found in the hen house. This belief is correct, but the fortune is not for the inexperienced. Successful poultry culture is a wealth producer of large dimensions, but this wealth is for him who has learned the proper care and management of poultry, and for him only. Get into poultry, and do it now, but learn the business as you go.

NEIGHBORHOOD IMPROVEMENT.

"The Neighborhood Improvement Clubs have for their purpose the building of higher levels of community life, higher economic levels, social and civic levels, higher health levels, moral levels, educational levels, and higher levels of crop production. More and more the men and women in the open country and the villages of Kansas are coming to believe that community problems must be solved by the men and women in the community. It is true that inspiration and guidance may come from outside, but the problems must be solved by the members of the community. Local organization, local co-operation and local leadership are absolutely necessary factors in community building," says Prof. E. L. Holton of Kansas State Agricultural College in a recent bulletin upon this subject.

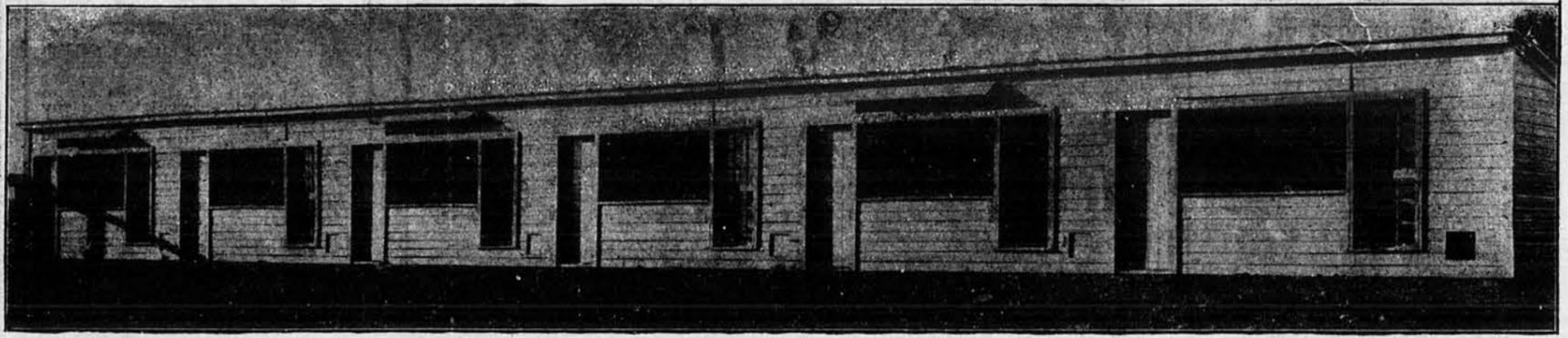
For hundreds of years our school training has been away from instead of towards the farm and home. It leads towards dissatisfaction with rural conditions and directly towards commercialism. Our high schools have been preparing the few for college at the expense of the many who should be prepared for community life.

The farm is the foundation of all of our national prosperity, and yet the farm boy and girl do not get their fair share of educational advantages. The rural church is in a state of decadence, the public highways are poorly kept, and our policy has been wasteful of human life in our neglect of sanitary conditions.

Each of these facts suggests a problem which is fundamental in its nature and which cannot be solved except through community action. Every community can be what it wills to be, but it must be organized into co-operative action or nothing is done. An unorganized community is in a state of decadence.

Alfalfa is the most wonderful of all cultivated plants, and the oldest one known to history. It has been given honorable mention as far back as graven and written records go. It fattened the cattle of pre-civilized time, and before the breeds were established. It has been the foundation of prosperity in many lands, and was the basis of a new prosperity in Kansas. It will grow in any land of the temperate zones, though it thrives best in rich soil. There is no state in the union in which it will not grow, and few localities where it is not a wealth producer on good soil. It is a voracious feeder and needs rich earth. It is never a soil robber, as, with proper handling, it returns to the soil much of what it takes away. Men have studied this plant for ages, and it still presents new problems. During the past season, when other crops were injured by adverse weather conditions and when the alfalfa appeared to be, the million acres of this wonderful crop on Kansas farms surprised us with a good yield of hay and astonished us with a yield of seed such as had not been deemed possible. In many instances the alfalfa yield of the summer of 1911 more than equaled the value of the high-class land on which it grew. The farmer who has alfalfa to sell has an equivalent of ready money at any time. But those who are the fortunate owners of a field of this wonderful crop and who used their good judgment to harvest one crop of seed last summer, have had such returns as rarely come from even Kansas farms.

The term "country" will soon be a thing of the past in the United States vocabulary. With telephones, rural mail routes, gas and electric lights, hot and cold water from faucets, good roads, improved school facilities and university extension as common factors in farmers' everyday life, the distance grows less from where the city leaves off and the country begins.



FIVE-SECTION LAYING HOUSE, 15 x 90 FEET, CAPACITY 400 HENS. IN USE AT KANSAS STATE AGRICULTURAL COLLEGE.

STATE POULTRY EXHIBITIONS

The first Kansas State Poultry Show, under the present organization, was held at Wichita in December, 1889. The writer attended that show, and has been present at and taken part in every state show since. No other man can truthfully say as much, so he ought to be same authority for what he writes.



THOMAS OWEN.
Swift of Marion. Mr. Snyder now lives in Topeka and is still interested in everything pertaining to the poultry industry. He used to breed some of the best Barred Rocks in the state. Since moving to Topeka he has not been breeding so many birds, but is devoting more time to judging fowls. Mr. Swift quit the business soon after the first show.

As far as our knowledge goes, only one poultry breeder that exhibited birds at the first show is now actively engaged in the poultry business, and that is H. A. Wattles, of Wichita, who now breeds Columbian Wyandottes. At that time he was station agent at Bayneville, Kan., and bred Barred Plymouth Rocks and Black Breasted Red Games. We have never seen such magnificent specimens of Games since that show.

Theodore Hewes was the judge at the first state show, and is still judging fowls. He is now editor of the Inland Poultry Journal at Indianapolis, Ind. Theodore Sternberg, of Ellsworth, was active at the first state show, and was prominent in the poultry industry for years. He was president of the association at one time and was secretary of the American Poultry Association for one term. He was an able and prolific writer on poultry topics, and measured lances with I. K. Felch and other big poultry men of the east. Theodore was generally on top at the end of the melee. He was a ready talker, witty and talented, and the soul of all our early poultry gatherings. During the war with Spain he was appointed paymaster in the army and went to the Philippine Islands. He was a breeder and great admirer of the full feathered Cochin, and imported many fine specimens from England. He is now relieved from the army at half pay, and back again at Ellsworth.

Carl J. Weick was another prominent poultryman at that show, and bred at that time what Sternberg used to call "the full-dressed gentleman of poultrydom," the Whiteface Black Spanish. Carl now lives at Salina and has pigeons and Single Comb White Leghorns for his hobby.

S. S. Robinson, of Hazelton, was at the first show with his fine Langshans and Partridge Cochins, and for many years was an exhibitor at the state shows, and nearly always took first honors in his classes. He used to have Partridge Cochins scoring as high as 96 points by Emry and other judges.

Another old poultryman that used to attend the state show with his birds was N. R. Nye, of Leavenworth. His specialty was Dark Brahmans, and he was known for years as the greatest breeder of these birds in the United States. He is now president of the Kansas branch of the A. P. A.

Of the younger breeders was G. C. Watkins, of Hiawatha. He bred Barred Plymouth Rocks and had some of the best in the state, and always took his share of premiums at the state shows.

Reminiscences of Twenty-three Successive Kansas State Shows

By **THOMAS OWEN**
President Kansas State Poultry Association

He is now editor of the Union Poultry Journal at Fort Smith, Ark.

Another old-timer who is still active in the business is A. J. Waddell, of Wichita, breeder of Buff Plymouth Rocks. He has been at more shows and won more prizes on Buff Rocks than any other breeder. Twenty years ago F. D. Munn, Wichita, was a prominent breeder of Black Langshans and Brown Leghorns, but for fifteen years has been out of the poultry business. He is now active again, and going into the business with his accustomed vim and vigor. His specialty now is Buff Orpingtons. In 1892 C. C. Hoag, of Minneapolis, was the happiest boy in the state because he had won the blue ribbon on his Buff Cochins at the state fair. After being for some years out of the business, he is again breeding Buff Cochins, and won all the premiums on them at the last state show at Wichita. He also breeds Buff Cochin Bantams. He now lives at Woodward, Okla., and is receiver of the land office there.

But time would fail us to mention all the giants of poultrydom in those early

White Plymouth Rocks; Otto Weiss, Wichita, Barred Plymouth Rocks; John Tomson, Silver Lake, Golden Wyandottes; Peter Reber, Neosho Falls, Barred Plymouth Rocks; Henry Swerdfeger, Wichita, Single Comb Brown Leghorns; J. P. Lucas, Topeka, S. S. Hamburgs; E. A. Haslet, Atchison, Cornish Indian Games; S. G. Sprague, Atchison, Black Minorcas; and a host of others. Some of these are still alive and active in the poultry industry, but many have gone where—

"The cock's shrill clarion, or the echoing horn,
No more shall rouse them from their lowly bed."

In the early days the cash premiums at the state shows were paid out of a percentage of the entry fees, first premium getting 50 per cent, second premium 25 per cent, third premium 10 per cent, and the association 15 per cent of the entry fee in each class. The special premiums were merchandise donated by the merchants of the city. These specials at times were quite valuable, but H. H. Bair, Topeka, Rose Comb Brown Leghorns; F. L. Whitaker, Topeka,

held its monthly meetings with unvarying regularity. It was said to be the longest-lived poultry organization in the United States, and always gave forth its best efforts for the good of the state show. Most of the state shows have been held in Topeka, and not until after we had secured a state appropriation of \$1,000 annually was there any great effort to take it to other towns. Inasmuch as the appropriation was made by the whole state, for the good of the whole state, it was decided by the directors to pass the show around, and Manhattan, Newton and Wichita have been fortunate in securing it. But this action was not taken until Topeka herself had become listless in regard to the show and refused to let the association have the Auditorium wherein to show the birds.



JOHN C. SNYDER.

Prof. L. L. Dyche, of Lawrence, the great Arctic explorer, was president of the association longer than any other individual, and lent his name and prestige to its aggrandizement. He is now the game warden of Kansas. Among the great secretaries were D. A. Wise, Topeka, a great worker, conservative and conscientious in his methods. He did yeoman service for the association in "the days that tried men's souls." He was a successful breeder of Black Langshans.

C. H. Rhodes, North Topeka, was secretary in 1893 and 1894, and made a record for efficiency and quick payment of premiums. Mr. Rhodes for a great many years had a national reputation as the best breeder of Black Cochins in the United States, and took first honors on his variety in all the leading eastern shows. He is now one of the leading poultry judges of the nation, his services being in demand in all parts of the United States. He cannot fill half the dates he is called upon in any season.

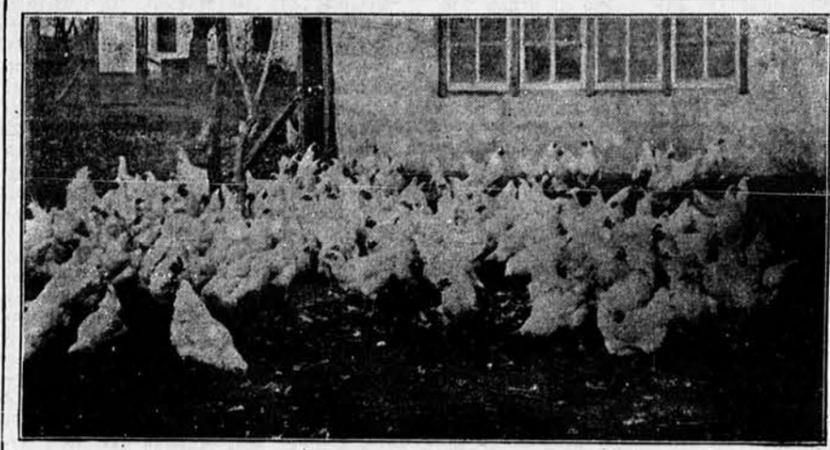
George H. Gillies was secretary for two years, and did great work in the advancement of the association. He was painstaking and laborious and added greatly to the attendance at the shows by making them popular among society folk.

But the greatest of all secretaries was Col. J. W. F. Hughes. With his tremendous energy and great capacity for hard work, he placed the State Show on such a high plane that the people in the East began to take notice and to realize that in Kansas there was a poultry show second to none. The Colonel still lives in Topeka and now breeds Rhode Island Reds, though in the early days he raised the lordly Langshan and dainty Silver Sebright Bantam.

After Col. Hughes, as secretary, came Thomas Owen, of whose services it seems us not to speak, save only to say, in answer to calumny, that he was secretary for a longer time than any other man and that the greatest and most popular show ever held in the state was held under his administration in 1908, when there were over 2,300 birds and over 800 pigeons in the Topeka Auditorium. This is not hot air or guess work, but an actual fact. The books will show it. The records prove it.

The Kansas State Poultry Association was incorporated in January, 1897, and is no longer an irresponsible body, but has a standing in courts, and can sue and be sued. In February, 1903, it was legalized as a state institution, and an

(Continued on Page 20)



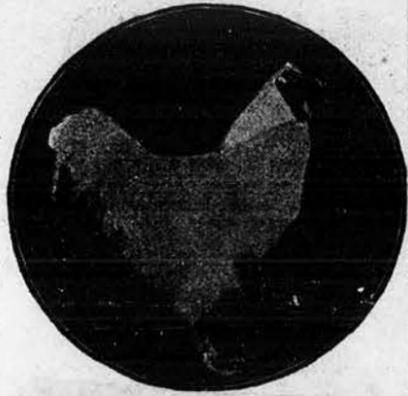
A PORTION OF A LARGE UTILITY FLOCK OF WHITE PLYMOUTH ROCKS OWNED BY KANSAS POULTRY CO., NORTON, KAN.

days. Prominent among the breeders were Aaron Sheetz, North Topeka, Barred Rocks and Light Brahmans; W. A. Roberts, Minneapolis, Houdans; M. S. Watson, Reserve, Light Brahmans; F. G. Tompkins, North Topeka, White Plymouth Rocks; Robert Murphy, Hukle, Silver Wyandottes; D. M. May, Emporia, Silver Wyandottes; Mrs. J. W. Gause, Emporia, Silver Wyandottes; J. W. Werner, Greenleaf, Light Brahmans; F. W. Hitchcock, Greenleaf, Barred Plymouth Rocks; Dr. J. R. Douglas, Concordia, Golden Wyandottes; H. A. Thomas, Scranton, Buff Cochins; R. L. Barrier, Eureka, several varieties; Charles Steinberger, Topeka, Buff Cochins; C. L. Sparks, North Topeka, Brown Leghorns; C. E. Skinner, Columbus, Light Brahmans and Partridge Cochins; M. L. Canfield, Belleville, White Plymouth Rocks; B. W. Smith, Manhattan, Buff Rocks; C. C. Smith, Manhattan, Brown Leghorns; M. L. Wortman, Winfield, Black Langshans; J. S. Dey, Wellington, Light Brahmans; W. A. Lamb, Manhattan, Brown Leghorns (he was assistant superintendent of poultry at Manhattan for many years and is now a popular poultry judge); E. C. Fowler, Topeka, Black Langshans;

the secretary had to do the soliciting, and it was a hard and thankless job. Some of the exhibitors did well in the way of premiums. One year S. S. Robinson, of Hazelton, took home with him \$49.29 in cash premiums, a \$20 incubator, and a \$10 rocker. In the early shows the large breeds of fowl, such as the Light Brahmans, Black Langshans and Buff Cochins, were more prominent than any other variety, with the possible exception of Barred Plymouth Rocks. Now the Asiatics are in the minority at the shows, and the medium sized breeds, the American class, in the ascendancy. Rocks, Wyandottes, Rhode Island Reds and Orpingtons are now the leading varieties.

At nearly all the shows the pigeon fanciers pitched in and helped to make them a success, and it is a pleasure to name five great pigeon men: M. F. Hankla, Peter Plamondon, Isaac Sheetz, John Haman and George Burghardt, all of Topeka. We cannot refrain from mentioning one other element that greatly helped the state shows, and that was the Topeka Fanciers' Association, composed of poultry and pigeon breeders. For twelve years this organization

THE STATE POULTRY SHOW



BOB WHITE

White Ivory Strain White Plymouth Rock Cockerel, winner of first prize, Kansas State Show. Bred by Charles C. Fair, Sharon, Kan.



LITTLE TOM

Single Comb Rhode Island Red Cockerel, winner of shape special, Kansas State Show. Property of Moore & Moore, Wichita, Kan.

Although coming right in the midst of the coldest weather known in Kansas for a quarter of a century or more, and right at a time when in several



parts of the state both railroad and wagon roads were blocked with snow, the twenty-third annual exhibition of the Kansas State Poultry Association, held at Wichita, Jan. 9 to 13, proved to be the largest and best staged poultry show held in Kansas this season. Everyone interested in the success of the State Association and the advancement of the poultry industry in Kansas is jubilant over the success of the show just held, and well they may be.

The secretary's books showed 1,413 entries, exclusive of pigeons, pheasants and pet stock, but the severe weather kept a number of these at home. Actual count showed 1,356 head of poultry on exhibition. Ordinarily an exhibition of this size would be reported as a 2,000-bird show. The number of specimens in each was as follows:

White Orpingtons	106
Buff Orpingtons	100
Barred Plymouth Rocks	85
Rose Comb Rhode Island Reds	75
White Wyandottes	70
Single Comb White Leghorns	68
Buff Wyandottes	66
Single Comb Rhode Island Reds	64
Buff Plymouth Rocks	60
Single Comb Brown Leghorns	49
White Plymouth Rocks	42
Silver Laced Wyandottes	38
Rose Comb Brown Leghorns	35
Dark Cornish	32
Rose Comb White Leghorns	31
Columbian Wyandottes	29
Black Langshans	29
Bronze Turkeys	22
Rose Comb Black Minorcas	21
Blue Andalusians	21
Golden Laced Wyandottes	21
Single Comb Buff Leghorns	20
Black Leghorns	19
Black Orpingtons	19
Light Brahmans	14
Rose Comb Buff Leghorns	14
Single Comb Black Minorcas	14
Partridge Wyandottes	13
Silver Gray Dorkings	12
Black Hamburgs	12
Mottled Anconas	11
White Minorcas	10
Partridge Cochins	10
Silver Leghorns	9
Black Spanish	8
Dominiques	8
Buckeyes	7
Buff Cochins	6
Long Tailed Japanese	6
Columbian Plymouth Rocks	5
Partridge Plymouth Rocks	5
Houdans	5
White Holland Turkeys	3
Pekin Ducks	3
Bantams, all varieties	59
Total	1,356

There have been larger Kansas State Shows than this one, but never a nicer looking show. This one was held in Wichita's new Forum, which in the writer's opinion is the best poultry show room in the middle west, and he has

Largest and Best Staged Poultry Show Held in Kansas This Season

By G. D. McCLASKEY

seen most of them and has been told about the few he has not seen. For the right kind of light and plenty of it, both day and night, conveniences, heating system, and sanitation, the Wichita Forum stands as the ideal poultry show room. All exhibitors and visitors were agreed on this point.

Most of the exhibits were made by Kansas poultry breeders, but a few came from Oklahoma and Missouri. There would have been more from out of the state had the weather been more favorable. The names of the exhibitors and their addresses follow. In the case of the Kansas exhibitors only the names of the towns are given:

W. F. Alden and R. W. Bradshaw, Ellsworth; Charles Amos and N. Kornhaus, Peabody; J. D. Alexander, A. M. Butler, Mrs. Archie Duboise, A. Castleman, W. F. Cummins, J. D. Cowan, C. R. Dusenberry, O. C. Emory, Ed Fleming, H. J. Freeman, Mrs. J. Ferriter, M. L. Gouder, Miss Jennie Gerrard, J. E. Howard, Mrs. Army Hector, J. R. Kenworthy, Mrs. M. Kettering, W. F. Lowrey, Frank Leach, George W. Martin, A. B. Moran, C. L. Miller, Moore & Moore, Miss Bertha Noyes, R. A. Ogden, W. Parker, S. A. Shiplom, E. O. Spencer, H. P. Swedfeger, J. L. Vernon, A. J. Waddell, T. A. Wohler, L. E. Ward, Miss Mame Wilson, Wichita Buff Orpington Yards, H. A. Wattle and T. B. Young, Wichita; Jack Brackey, Chillicothe, Mo.; Brown Chicken Ranch, Halstead; C. R. Baker, Abilene; George Beuoy, Cedar Vale; H. W. Betz & Son, J. Dillonwater, Dr. R. E. Earp, Frank Fowler, C. E. Florence & Son, J. C. Hoyt, Mrs. J. D. Morley and E. D. Stratford, Eldorado; Mary Connor, Cheney; A. B. Collins, Yates Center; Otis Crow, D. D. Colglazier, Sherman

Wise and J. E. Hunt, Hutchinson; A. G. Dorr, Osage City; D. F. Drinkwater, Cedar Point; O. P. T. Ewell, Kiowa; Charles C. Fair, Sharon; E. V. Ford, Guthrie, Okla.; Dr. C. J. Fornay, Hoag & Aldrich and C. C. Hoag, Woodward, Okla.; Mrs. J. W. Gause and H. E. Richter, Emporia; Jennette & Jennette, W. R. Munroe and H. M. Palmer, Florence; E. X. Glover, Caldwell; A. Graff, E. Laney, N. K. Wright and I. A. Zug, Wellington; W. K. Heaton, Larned; W. S. Holden, Douglass; L. P. Hubbard, Topeka; C. C. Henderson, Solomon; G. W. Hoff and P. Klepinger, Argonia; K. W. Howghan, W. A. Lamb and Wheeler & Wylie, Manhattan; T. R. Wolfe, Conway Springs; Carl Weick, Salina; L. C. Horst, Dr. A. O. Haurry, R. C. Lane and G. W. Perkins, Newton; Edmond Jackson, Reece; O. W. Koontz and John Yiche, Oatville; I. P. Kohl, Furley; W. E. Lynch, Kremlin, Okla.; A. J. Lindgren, McPherson; G. W. Lightner, St. Johns; C. C. Lindamood, Walton; Mrs. C. C. McDowell, Kiel, Okla.; Sam McHarg, Wakita, Okla.; Mrs. C. H. Myers, Fredonia; A. P. Moore, Stafford; Maggie O'Shea, Bendena; L. A. Perry, Caldwell; H. J. Richardson, Viola; W. J. Roof, Maize; Sample & Kitchen, Cleveland; R. A. Stephens, Atlanta; L. G. Shoop & Son, Perry, Okla.; E. E. Spencer, Emporia; Mrs. Lulu Searl, Caney; N. E. Todd, Rhinehart, Mo.; J. H. Troyer, Larned; Mrs. J. C. True, Oatville; A. H. Vanderhoof, Neodesha; N. S. Vandusen, Derby; J. E. Wright, Wilmore.

There were several surprises in the number of birds in some of the classes, which at former state shows contained only a few specimens. The White Orpingtons being the largest class in the show was quite a surprise. The 106

birds made an exhibit that any show could boast of having. The Buff Wyandotte class was another surprise, there being 66 good ones in line. It was the largest and best class of this variety ever seen at a Kansas State Show. Barred Plymouth Rocks are always a large class, but this year the Barred Rocks were not as strong as a class as in former years. However, some good specimens were to be found among the winners. The winning White Plymouth Rocks were exceptionally good. Most of the prizes in this class were won by birds of the well known White Ivory strain. It is wonderful the amount of interest that is being taken in Rhode Island Reds. Show room visitors who do not have much knowledge of the different breeds almost invariably want to see the Reds, and they are hardly ever disappointed with what they see. The Red classes at Wichita showed quality all the way through. It is not often that so many good Buff Plymouth Rocks are brought together as were in line this year. The same can also be said of the White Wyandottes and Leghorns. Silver Laced and Columbian Wyandottes were also good classes. Buff Orpingtons, the second largest class in the show, attracted much attention. Had the weather not kept the exhibits of some of the state's best known breeders of this variety at home this would have been the big class of the show.

It was good to note the spirit of good fellowship that prevailed throughout the entire week. It was a happy annual reunion of Kansas poultry raisers, and if the same spirit and harmonious feeling continues, as it should, the Kansas State Show will be a great success each year.

The annual meeting of the Association was held on Thursday night of show week. A large number of members participated. President Thomas Owen presided. While considerable interest centered around the election of three new members of the board, yet there was no squabbling for the places. The three men elected are: A. J. Waddell, Wichita; G. C. Wheeler, Manhattan; W. R. Munroe, Florence. Immediately after the meeting the board met and organized and elected the following officers: President, Thomas Owen, Topeka; vice-president, D. D. Colglazier, Hutchinson; secretary-treasurer, W. D. Borders, Wichita.

It was the sense of the meeting that the next annual show be held in Wichita. A motion to that effect brought forth a discussion, as it means a lot of hard work and hustling on the part of the poultrymen of the town where the show is held in order to make it a success. This has been the case since the Association lost the state appropriation. However, all were agreed that Wichita was the best point for the show, and it was decided to hold the exhibition there next year.

The writer reported what had been done to bring about the renewal of the state appropriation. The movement was started by the Kansas branch of the American Poultry Association at its annual meeting in December. The proposition was brought to the attention of the Kansas Improved Live Stock Breeders' Association while in session in Topeka, January 8 to 12, and received the endorsement of that body. This resulted

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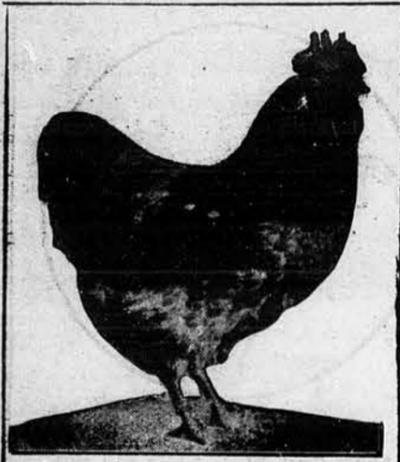


ONE OF THE MOST INTERESTING AND ATTRACTIVE DISPLAYS AT THE STATE SHOW WAS THE EXHIBIT OF WILD AND DOMESTIC WATER FOWL BY THE CITY OF WICHITA.

RAISING MARKET POULTRY

Some Things That One Man Has Learned About the Market End of the Pure-bred Poultry Business After Years of Experience in the Work

By W. A. LAMB



SECOND PRIZE BUFF PLYMOUTH ROCK COCK, KANSAS STATE SHOW, 1912. OWNED AND EXHIBITED BY A. J. WADDELL, WICHITA, KANSAS.

For seventeen years I bred the S. C. Brown Leghorns, believing them to be the most profitable, as well as the beauty breed in poultrydom. I was then appointed superintendent of the Kansas Poultry Experiment Station, where for five years I had the opportunity of studying some thirty leading varieties of poultry, kept practically under the same conditions, and had a chance of comparing them in a fair and systematic manner. A strict account was kept of all food consumed and trap nests were used the whole time, so that guess work was eliminated, and our conclusions could be based on facts, not theories.



After studying all the data compiled in this time I concluded that the S. C. White Leghorns were the breed to tie to for egg production and the White Plymouth Rocks for dual purpose fowl.

The old idea that white fowls and animals are not as hardy as the colored ones is erroneous and has no foundation. The parti-colored varieties in poultry make a more fascinating study in breeding to standard requirements, and while the Brown Leghorn is still my favorite, being a poor man I must breed the fowl that brings the highest profit per hen, so I have settled on the S. C. White Leghorn and the White Plymouth Rock from a market standpoint. From a fancy standpoint the conclusions might have been different. The most profitable breed for a fancier who is producing breeding stock to sell others, the breed or variety he has been breeding and advertising for years, is, generally speaking, the variety he as an individual breeder will make the most profit on.

How many fowls to raise on a place depends on the amount of range you have for the young stock, or the amount of house room you can give them in winter, and on the time you have to devote to caring for them.

If one wants to raise broilers for the market, one hundred birds can be raised to broiler size on a much more limited area than if kept to maturity. Also the amount of house room need not enter largely into your calculations, unless broilers are being raised in the winter months, as the chicks are usually marketed at 12 weeks of age and are kept half that time in brooders.

At the prevailing prices of feed and the amount usually obtained for broilers, there is no question but raising the pullets to maturity and keeping them a year for egg production is the much more profitable if one has the room to give them plenty of range while making their growth.

The question of where to sell what you produce depends very much on where you are situated. If you are located near a good market for what you produce, it is usually best to sell to your local dealer. It is also well to consult him as to the best time to have certain products ready for market. If there is a heavy demand for broilers in May or June, hatch them in February or March. If the demand for roasters is heaviest for the holiday trade, hatch

them in July, or if the demand be heaviest in early spring, as it usually is, hatch the chicks in the late fall.

If your production be eggs, hatch the pullets to produce those eggs at such a time that they will reach maturity when eggs are usually the highest price which, in Kansas, is late fall and early winter.

This, of course, depends on the variety you are breeding. Leghorns can be hatched as late as April, while the American breeds should be hatched in February or March to make fall and winter layers. The Asiatics I need not mention, as they are only supposed to lay enough eggs to reproduce their kind, and should be bred only for meat production.

If one is located where it would pay better to ship their produce to a larger market it often happens that a friend or relative lives at the larger place who would be glad to handle your produce for what you would have to pay a commission man. And if your products were first class a friend could usually obtain better prices for you, as they could sell direct to the consumer.

In this day and age it should be considered a disgrace to the owner to have even a scrub dog on his place, let alone scrub stock and poultry. We have a plenty of pure-bred stuff of every description and the first cost is the only difference in their production. The higher that be, the more care and attention the animal or fowl will receive.

This fact was brought to my attention very strongly during the Belgian hare craze in Kansas. A hare that cost \$50 to \$100 was put in a good warm house, given the best of care and a padlock kept on the door to keep some one from stealing it. When hares got to costing 50 cents to \$1 any old box was considered good enough for it, and often the owner wished someone would steal it.

So I believe that paying a good price for a start in pure-bred poultry is a step in advance in more ways than one.

In comparing poultry with dairy cows on a farm, I do not think there should be any comparison, as poultry should be considered a very important part of

any well regulated dairy farm. Just as it is more profitable to fatten steers and hogs together, so is it more profitable to keep dairy cows and chickens on the same farm.

Ofttimes the profit on the hogs is the only profit made, so ofttimes the profit on the hens is the only profit made. In either case, had there been only one kind kept, there would have been no profit.

I do not believe that any poultryman is capable of comparing poultry profits with hog or cattle profits. Neither do I believe a man handling all three of them can give a correct comparison, as he is sure to be better fitted by inclination or choice to handle either one or the other better than the rest, therefore will make that one pay the best. But the fact remains that a farm may be without hogs or cattle, but certainly should never be without poultry.

Any one keeping poultry must, of course, have houses to protect them from cold or stormy weather. These houses need not be elaborate or expensive, in fact, they should not be expensive, for if hens be kept for profit the profit should not all be used on expensive houses and fixtures. I believe all leading poultrymen and experiment stations now agree on the open front houses with muslin curtain for stormy weather.

The shed type is the easiest to build, but I prefer the combination roof, the back half covering two-thirds the floor space. The house should be 12 feet deep, facing the south, 5 feet high in front, 4 feet at back and 8 feet at one. It may be as long as desirable, but should always be perfectly tight on three sides, to avoid drafts. This can best be accomplished by covering the roof and sides with boards, then with prepared roofing. A cement floor is best but clay well tamped makes an excellent floor. No glass is needed in a poultry house, for when the sun shines the front may be left open and when there is no sun the muslin curtain will let in plenty of light.

The best feed for laying hens is a dry mash, fed in hoppers, and is composed of 5 parts corn meal, 6 parts wheat



FIRST PRIZE BARRED PLYMOUTH ROCK COCKEREL, KANSAS STATE SHOW, 1912. BRED AND OWNED BY D. F. DRINKWATER, CEDAR POINT, KANSAS.

middlings, 3 parts bran, 5 parts special beef scrap and 1 part alfalfa meal.

The grain ration should be equal parts by measure of corn, wheat and oats, fed in litter twice a day, seeing that the fowls consume at least half as many pounds of mash as grain. Where milk is available, the mash mixed with milk makes an excellent summer ration for both hens and growing chicks. Where a good grade of beef scrap cannot be purchased, substitute green ground bone in cold weather, and milk in summer.

For very young chicks, use specially prepared chick food, gradually substituting the mash mixture and a variety of small grains and cracked corn.

Yarded fowls should have in addition to the above a small amount of green alfalfa, clover, or grass, cut in half-inch lengths, every day during the summer, when the alfalfa meal may be omitted from the mash. They should also have fresh water, grit and oyster shell.

Poultry will never do well if infested with lice or mites. Mites may be easily kept out of the houses by spraying the interior once a month, in warm weather, with 50 parts water to 1 part stock dip or kerosene emulsion, which is prepared by boiling 1 pound of soap in 1 gallon of water, then after removing from the fire add 2 gallons kerosene and $\frac{1}{2}$ pint crude carbolic acid. This makes a stock solution something like soft soap to be used in spraying the houses by thinning down with water.

Lice are a more difficult problem. Lice breed in the heavy fluff on the underside of a fowl's body and can be kept in check by occasionally catching the fowl and removing the feathers containing nits from the abdomen, and rubbing a little blue ointment on the abdomen below the vent.

In warm weather the fowls may be given a bath in 75 parts of water to 1 of stop dip. To do this quickly and thoroughly, Mr. Binger of Topeka has a very ingenious method. The fowl's means of egress from the house is through a small chute having an opening about 12 by 16 inches. The floor of this chute is hung in the middle on an iron rod, so it swings freely when the plug is removed that holds it in place. This chute is high enough above the outside ground surface to allow a washtub to be placed under it containing about 10 inches of dip. After putting the tub in place the plug is removed and a slide raised to let the fowls come out of the house. As they come crowding out, each one falls in the tub and as the bottom is slippery they flounder around and get thoroughly wet. The person raising the slide drops it as soon as five or six fowls are in the tub, to prevent getting too many in at one time. In this manner a large number may be given a bath with very little labor and the dip kills all lice on the fowls at the time.

Poultry diseases, and how to combat them, is one of the most important things to know, and one of the least taught in poultry schools and colleges. One may have a thorough knowledge of poultry anatomy, the digestive tract, the intestinal tract, the generative organs, etc. He may know how to run incubators and brooders, how to build poultry houses and how to feed poultry scientifically, but if he knows little or nothing about poultry diseases, he will not make a success of a poultry plant. It is not so much a question that he will

(Continued on page 32.)



THE Kansas rooster has a right to crow. Only six other states in the Union own a greater number of his kin. Only one of the six is west of the Mississippi river. In 1911 Kansas poultry and eggs sold were worth a little more than one-fourth of Kansas' wheat; only a little less than one-fifth of Kansas' corn; about as much as Kansas' oats; five times as much as Kansas' potatoes; three times as much as Kansas' fruit, garden vegetables and sugar beets together; nearly half as much as Kansas' hay, including all alfalfa; ten times as much as the broomcorn. Kansas poultry on hand in 1910 was worth half as much as all Kansas' hogs assessed in 1911; six times as much as the sheep; one-third

as much as the milch cows; more than one-third as much as the mules and asses; one-fourth the value of all other cattle than milch cows, and one-tenth as much as all the horses.

In the sugar beet territory of Kansas, the counties of Hamilton, Kearny, Finney, Gray and Ford, the 1911 crop of sugar beets, at \$5.00 per ton, on the farms, was worth \$136,180. Poultry and eggs sold in the same counties brought \$205,979. And nobody is lobbying or shouting for a bounty on the hen nor an increased tariff on her eggs. Our state legislators would fall dead in a faint if some one proposed an appropriation of \$20,000 for furthering the interests of the poultry industry, through better equipment at our Agricultural College, and an annual Educational Poultry Exhibition and Institute. But that sum would be only 75 cents a ton value added to the sugar beets through a tariff bill, and only one-sixth of one per cent of the amount the hens brought to Kansas folks (\$11,369,098) in 1911.

PROFIT FROM POULTRY



How One Kansas Farmer Makes It --- Capons an Important Factor

By GEORGE BEUOY
Dingley Dell Farm, Cedar Vale, Kansas

I AM raising Barred Plymouth Rock chickens because I believe that they will make me more ready money than any other fowl, animal or product that I could possibly raise or produce on a 160-acre farm. I say that I believe that to be a fact, but as a matter of record I know that it is true.

My mother was raising Barred Rocks before I was born, and I have bred them myself every since I was large enough to set a hen. Our original start with the strain we now have was secured from Judge C. H. Rhodes in 1884, and we have bred them ever since that date, trying always to improve the egg-laying qualities and general character of the bird. In our early experiences with chickens we tried various breeds, crosses and combinations, always carefully noting results, and in every instance we found the pure-bred birds gave us much larger cash returns, even when sold on the local market. As a matter of fact, our entire success and business is based and was for many years operated strictly on a commercial basis, our entire product going on the local market to our produce dealer.

We purchased and located on the Dingley Dell Farm in the spring of 1898, and for a number of years did a general farm business, keeping pure-bred Poland China hogs, Jersey cows and Percheron and Standard bred horses. The horses kept were good ones, both mares and stallions, and I have a big bunch of blue ribbons won on them at Kansas and Oklahoma shows and fairs. The hogs were of the best, and many people of this section still raise that strain. The stallions were widely patronized and were making good money, as well as the hogs. A careful record was kept, covering a period of five seasons with horses, hogs, cows and chickens, and when the net returns were figured up the actual cash clear profit from the chickens was more than double that received from any other source on the farm. And during that test period the chickens and eggs were sold on the market at the local produce store. Frankly, I had not thought that that would be the case. I supposed the horses and hogs would pay the best, and they did show a very fair profit, but nothing to compare with the chickens.

Careful observation and close study of the farm journals had by this time convinced me that the people who were actually succeeding—the ones that were really making the money, were the ones that were specializing, taking some one thing and putting the best effort that they were capable of in producing that one thing. The chickens were making us more money than any other product that we were producing on the farm, so we decided to make them our specialty. We arrived at that decision some 10 years ago, and immediately acted upon it. We sold the hogs on the market and the horses at public sale, and invested the proceeds in better equipment and facilities for the poultry. And I may say that we have never regretted the change.

About this time we began to have a local demand for setting eggs. We were selling eggs in the winter months when many farmers were actually buying eggs for their own use. Our neighbors knew this to be a fact, and we soon had quite a demand for setting eggs. At first we let them have them at regular market price, but the extra work of selecting, counting and other work resulting, soon compelled us to charge extra for setting eggs. It occurred to me at this stage

of the game that if home people were so eager to buy of us that perhaps our birds were worth advertising. It seemed reasonable to me that people at some distance would like to improve their flocks. For many years, I think almost from the beginning, we had each year bought new cockerels to go with our flock, or at least had purchased eggs from some reliable breeder. We had been buying these through advertisements that appeared in our farm papers, and I at once decided to try the papers with a small ad myself. The ads paid us from the very start.

We used liberal space for beginners and received prompt encouragement, three inquiries arriving before the paper that contained the first advertisement reached us. Since that date (some eight years ago) we have never been without an ad in some farm paper. We have found this much the best way to dispose of the real good breeding birds and the eggs that can be spared from the best matings.

The birds and eggs that we are able to furnish for breeding purposes have made us a net profit of about four times as much as the ones sold on the local market. Not all the birds raised each year are good enough to sell as breeders. As a rule, we raise close to 500 chicks each season, half of which are cockerels. There are usually 100 of these that show quality enough to use as breeders and are kept and sold for that purpose. The balance are caponized (unsexed) when they weigh about a pound and a half, and are sold on the open market during February and March, at which time they average us about 11 pounds each and to date we have never sold any for less than 15 cents per pound, live weight, or 20 cents, dressed. Usually we have received 20 and 25 cents per pound for them. We get the money for the capon in a lump sum, and I believe we make more actual profit from them than we do from the cockerels sold as breeders. We average about \$5 each for the cockerels. However, they are sold one and two at a time and have to be crated each time and taken to express office, and are considerable trouble to handle. These objections do not apply to the capon, and it is not for disappointing our regular customers I should certainly caponize every cockerel I did not need

for breeding. They beat selling cheap cockerels for \$1 and \$2 each.

The "Editorman" asks this question for me to answer: "How much more do you figure pure-breds are worth over scrub stock, for farm flocks?" We don't figure on that question any more. We tried it out and got accurate information for the answer. Three years ago we heard so much about mixed breeds and common stock laying better than pure-bred stock that we decided to try it. We gave the scrubs the best of it. We yarded up our pure-bred birds and let the mixed ones and the scrubs have the run of the farm. Careful records were kept for the first six months of that year, at which time the test stopped and the scrubs and mixed birds went to the butcher's. During January, February and March the pure-bred birds laid 50 per cent more eggs than the scrub stock. Eggs were high, too, those three months. During April, May and June the pure-bred birds laid 20 per cent more than the scrubs. The mixed lot of birds went cheap when they were sold. The pure-bred birds would have brought 2 cents per pound more money, and would have weighed twice as much, bird for bird. The test showed the pure-bred birds to be twice as profitable at the very least consideration. And it must be remembered that they did this in close confinement, as small yards were used for them, while the scrubs and mixed fowls had the run of the farm. They were all fed exactly the same, except that cut alfalfa was fed in the yards for greens, while the mixed bunch had access to a variety of greens. We don't figure any more. We know that pure-breds are much the best where a profit is desired. Since making that test we have not had a mixed or scrub chicken on the farm.

Last season we hatched 625 chicks. About half were hatched in incubators and the rest were hatched under hens. We like the hen-hatched chicks the best, but could not get along without an incubator. Of the 625 chicks hatched this last season 600 were raised to maturity. We could not have raised that large a per cent if it had not been for the capons. All of our chicks are given to capons to raise. They are much the best brooders that we have ever tried. When the hens are hatching we take the chicks from two of them and give them to a capon to raise. A capon will cluck and

hover them much better than a hen. He is quieter, will not "rant" around and run the little fellows to death, like a hen does. He is very careful with his feet and rarely step on a little chick. His feathers are longer, softer and more abundant than a hen's. His spread of wing is much greater and, in fact, his accommodations are much more ample than Madam Hen. The hawk does not fly that can take a chick from a good Barred Rock capon, and they will pull the whiskers from a tom cat in no time if he should meddle with the brood. They will not wean their chicks and go to laying just when the chicks reach the naked stage and need them most, as a hen will.

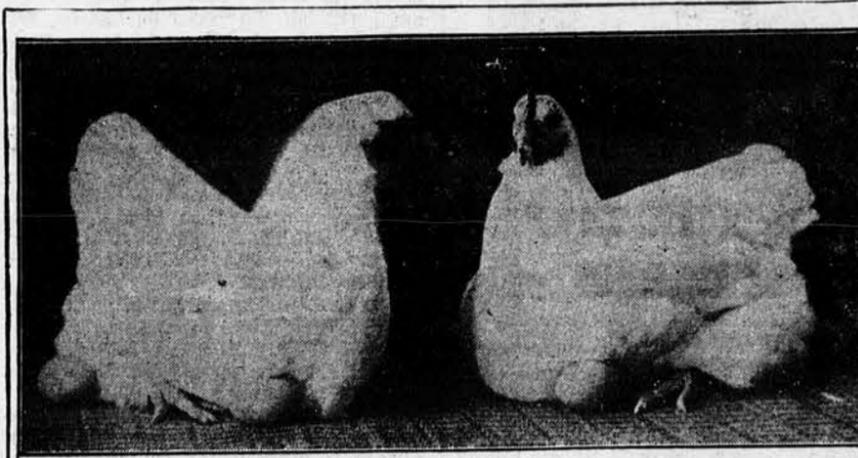
A capon can be cashed in at any time and a profit made on his original cost. It is true he consumes some feed, but that goes to build up his frame and flesh. Capon meat is the highest priced meat sold on the American market. The real large capons bring the highest prices. For that reason the ones that are carried over and used as brooders will sell at the top of the market, going for the holiday trade, at which time the young capons are still too small to sell well. We have used capons for five or six years to raise our little chicks. The last two seasons they have been our only brooding system. We wish no better method.

Poultry pays us much better than hogs. We do not raise hogs, except enough for our meat. We still have our cows, but they are kept principally so that we can have plenty of milk for the chickens during the breeding season.

We frequently give the new milk to the chickens. No attempt is made to sell butter or cream. We keep and milk six good cows for this purpose. Milk is the cheapest and best animal feed that we have ever found. I have a horsepower green bone cutter and also buy beef scraps, but I find that milk is much better than any of these substitutes. We feed no other sort of animal feed to the chickens when we can get milk enough. Our cows are kept for no other reason than for our own use and to help out the chickens. They could not be made to pay half the profit on the investment that the chickens do.

Our houses are all of the open front type, entirely open all the time. We have tried the curtains and find them a nuisance. They might do to play with, but are no good on a real live, profitable chicken ranch. Our main chicken house is 50 feet long, 16 feet deep, and has four rooms. The back is 4 feet high, and front 8 feet, the upper 5 feet being entirely open all the time. The thermometer has stood 5 to 12 degrees below zero for a week at a time and we have never had a bird freeze his comb in this house yet. All of our houses are built on this same idea. We have 20 colony houses constructed on the same principle. The only difference is they are smaller. We scatter them through the orchard and put a capon and 20 chicks in each. The perches are placed 14 inches from the ground and the same distance apart in the main house. They are made from 2x4's, with the edges rounded off and set on edge. Each end fits into a slot so that they can be easily removed for cleaning. The ends, back and top of one of these houses are covered with the best grade of prepared roofing, cemented on, and is perfectly air-tight on all three sides and top. It must be air-tight on all sides except the one left open, if good results are expected.

As a single grain ration, I find corn,
(Continued on next page.)



Profit From Poultry

[Continued From Page Seven]

good, solid, old-fashioned corn, the best of the entire bunch of cereals. If I had to choose between corn and all the other feeds I would not hesitate—I should take corn every time. However, I have found that it does not pay to depend on any single grain ration. The birds not only like but require a variety. Next to corn I like oats best, and we feed from 400 to 600 bushels of oats to our chickens each year. Next to oats I like wheat, and we usually use about 200 bushels of the best wheat that we can obtain. Wheat, oats and corn are the only grains that I have had good success with. We have an alfalfa field for the chickens to run on at all times. We also sow some rye and wheat in the orchard each fall to furnish variety in green feed. I have found that green feed in some form is absolutely necessary in order to have winter eggs. Alfalfa meal ground fine is good, and will help out when other green feed is scarce. We make it about half corn chop, and wet it with milk, letting it set over night. The birds enjoy it.

My personal observation is that most people do not feed their poultry enough to get eggs even if their hens were of the laying kind. I believe that most farmers do not feed the poultry liberally enough in the winter months. A neighbor of mine, the wife of a very prominent stockman who ships his cattle to market by the train load, asked me why her hens were not laying better. I inquired in turn as to what she was feeding. She said it was just shameful the way those hens of hers eat; it just seemed that she could not satisfy them; she felt sure that something was wrong with them. She said that they would fly down off the roosts at night if they heard the granary door open; that there was not more than two hundred chickens on the place and that she fed them regularly night and morning a variety of corn and wheat mixed. She knew that she fed them all that they ought to have because she measured it, giving them a two-gallon bucket full each feed. Just how much to feed is sometimes quite a problem. I have found that it takes just about an average of one bushel of grain for each day's feed for every one hundred mature fowls that are kept. They may not quite consume that much but will come pretty near it.

No matter how well you may feed and how good your birds are the birds cannot be expected to lay unless free from lice and in the pink of condition. To keep rid of lice and mites is easy. All that is required is the open front house so that the sun will shine clear to the very back side and completely cover the floor space with its rays. Keep it clean. Clean twice a week at least, every day is better. Whitewash it once every six weeks. A spray pump is best for this purpose. Buy the lime by the barrel, and crude carbolic acid by the gallon. Use a gallon of the acid to each barrel of lime. Put the acid in the lime while it is slacking, about the time that it quits boiling and while it is quite thick, and it will mix up in good shape. If you do not require a barrel of slack lime at one time use a half barrel and a half gallon of the acid, or in that proportion. It's cheap, therefore put it on liberally. We use dirt floor in our house and soak up the floor with this mixture every week or so, especially in a dry time, as dust is very bad for chickens. Where large flocks are kept some sort of disinfectant is necessary. The patent preparations are good, but we make our own. We make it like this: Get a five-gallon can. Get four gallons of gasoline in it and then add one gallon of crude carbolic acid and you will have one of the best liquid lice or mite killers. To make lice powder stir this mixture into plaster of Paris. All the powder will hold without becoming damp and sticky. With these two preparations plenty of lime and a clean house you need not have lice or mites. As a disinfectant and cleanser for the drinking vessels we use permanganate of potash. It is a good preventative against contagious diseases. When roup or looseness of the bowels show up in a flock of birds if sodium sulphite is used in the drinking water, a good round teaspoonful to each gallon of water, a cure can nearly always be effected. Of course, you will have to fix it so that the birds will have to drink the medicated water. I have never had white diarrhoea in my

flock, but I believe that the above remedy would check it, as it is effective for checking any looseness in older fowls.

Keep the flock's sleeping quarters clean, let in plenty of sunlight without "straining." See that they have a place where they can wallow in damp, loose earth, and you will be all right. Take a pride in your flock, and the details will not seem so much like work. Do something that you can be proud of. Attend your local poultry show. Take a few of your best birds and win a few blue ribbons. There is a lot of pleasure in it, besides it will help you. As soon as you can win regularly at your home show try a few at the state show. Besides the pleasure, it will bring you business and make it worth while to raise good ones.

For the past three seasons we have shown regularly at the Kansas State Show. The first time that we showed at that great show we won two first prizes and two specials, besides having the three highest scoring Barred Plymouth Rocks in the show. We also won on pen in a very large class of Barred Rocks, and that was our first experience at a large show. Since that time we have shown at Ogden, Utah, four state shows, Kansas City, Mo., State Show, Topeka, and Independence, Kan., winning more than twenty first prizes. And this was done on farm-bred, farm-raised birds. I see no good reason why other farmers cannot do as well. A well-bred strain of birds and attention to details are all that is required.

I should like for every farmer in Kansas to try a few capons this season. They are money makers. I had no one to show me about them. I secured some reading matter telling how to do it and commenced on a dead bird, one that we had just killed to eat, and the trick was soon learned.

This is the picture of Ruth Stone, of Sterling, Kan., and her Shetland pony, Cupid, with saddle and bridle, which was given to her by KANSAS FARMER, December 23. Ruth seems to be the happiest girl in Kansas, and writes that she would not part with Cupid for anything in the world.

KANSAS FARMER will give away, in March, four more pure-bred Shetland ponies to Kansas boys and girls. Their



names are Checkers, Frolic, Brownie and Freckles, and any boy or girl in the state of Kansas has an opportunity of getting one of these ponies and outfits. KANSAS FARMER has already given away 10 Shetland ponies, and if you would like to get one of these, be sure to write today to the Pony Boy, Topeka, Kan., 625 Jackson Street.

No one need hesitate to buy incubators or brooders because they have not before used them or saw them used. The manner of the use of these machines has been reduced to a simple A B C program if the user will just be guided by the easily followed instructions and rules for use. There is no contrivance for lightening labor and increasing profits that is more readily adaptable to instant use than the modern incubator and brooder. The cost of such an outfit is easily repaid by the increased profits in only a part of a season's work. Few, if any, articles can be bought that so quickly pay back their first cost. Not only in dollars and cents, but in doing the work easier and with a greater satisfaction in its doing.

Keep the hogs well bedded on cold nights and provide sufficient shelter for them so they will not be inclined to crowd each other too much.

To Keep Milk Pails Clean and Sanitary

Sprinkle Old Dutch Cleanser on a rag or brush, rub pail thoroughly, rinse well and the pail is spick and span—"sweet" and hygienically clean.

Contains no caustic, alkali or acid to harm the hands.

Old Dutch Cleanser

Many uses and full directions on large Sifter-Can 10c



Velvet

THE SMOOTHEST TOBACCO

Middleleaves make the best smoking tobacco.

The middle leaves of tobacco are always the richest. They are mature and full of flavor—the best of the whole plant.

That's why only selected middleleaves are used in Velvet.

Velvet never bites the tongue because every bit of harshness has been entirely removed by two long years of curing. Two whole years these rich middle leaves hang in their own native climate—every day getting mellow and smoother, until finally not a bite or burn remains. The tobacco you get in the big red Velvet can is truly "as smooth as Velvet."

If your dealer hasn't Velvet, ask him to get it for you from his jobber. No need to trouble yourself writing us.

Full size 2-ounce tins, 10c. 1-ounce bags, convenient for cigarettes, 5c.

SPAULDING & MERRICK, Chicago

Advice to Young Men and Women

A PLAINLY written book on the "Laws of Nature and Sex," that brushes false modesty aside and tells the pure truth in chaste language. Parents should read this book and give it to their children. Other subjects treated—Advice to Married Couples, Improvement of the Offspring, Diseases to Boys and Girls, Etiquette Between Sexes, Duties of a Young Mother and a Young Father, Inhumanities of Parents, Boyhood, Girlhood, Etc. Book contains 288 pages fully illustrated. Mailed in plain wrapper upon receipt of \$1.00. Money back if not satisfactory.

GEO. LODGE PUBLISHING CO., 87 FORT W., DETROIT, MICH.

Ask your dealers for brands of goods advertised in KANSAS FARMER.

I Want 500 Farmers

one in each community to act as my representative to help me introduce my new line of farm machinery direct from factory to farmer. My line consists of 2 great inventions. Every farmer needs them and wants them. Make \$1,000 to \$2,500. No experience necessary. You can give a part or all of your time to this great side work. If you are acquainted in your neighborhood you're the man I want. My proposition is fair and square. Write me today.

Chas. F. Chase, Pres., CHASE MFG. CO., 33 Main St., Mason City, Iowa.

JOHNSON Says To Tell You That 325,000 Satisfied Customers Prove the Superiority of "OLD TRUSTY" Incubators

DO YOU realize that 325,000 Old Trusty Incubators have been sold to Poultry Raisers throughout the United States by JOHNSON, THE INCUBATOR MAN at CLAY CENTER, NEBRASKA? Do you realize that that means 154 solid miles of INCUBATORS set side by side? He wants to refer anybody to all of these 325,000 SATISFIED customers—but

Do you realize that it would take \$6,500.00 for postage alone to write each user of an OLD TRUSTY INCUBATOR a single two cent letter?

Abraham Lincoln said that "you can't fool all of the people all of the time."

Johnson might have fooled 1,000 people on a *poor* incubator—or 5,000 on a *fairly* good machine before the people "got on" to him but he couldn't possibly fool 325,000 bright, up-to-date progressive poultry raisers all over the United States—and if he *had* they'd have sent all their machines back to him because every single one of them was shipped on 30-60 or 90 Days' FREE TRIAL—subject to return at his expense if they weren't satisfactory.

And every one of these 325,000 machines was sold on 30-60-90 Days' Free Trial guaranteed TEN or TWENTY YEARS. What in the world do you suppose Johnson would have done if these customers had sent him back this 154 solid miles of machines?

M. M. Johnson
The Incubator Man

The Best Recommendation For The

"OLD TRUSTY" INCUBATOR

Is The 325,000 In Actual Everyday Use

Clay Center, Nebraska is the center of the world in Incubator making. More machines are made right there in Johnson's factories than in any five cities in the United States. When he started this industry on a 65 cent cash capital, making his first machine for Mrs. Johnson's and his own use in raising poultry for a living, he had no idea of ever offering a single incubator for sale. They had simply worn themselves out trying to make the different machines that they had saved up their money and bought actually hatch chickens, and finally in desperation he told Mrs. Johnson that he was going to make a machine himself that would do the work. And he did. Then he made a few machines for neighbors. Then they went into the business. And every good feature that he worked out he patented, until the present OLD TRUSTY INCUBATOR is a patented machine throughout. No one can sell you the Old Trusty features but JOHNSON—all others are imitations.

Don't you think that the actual experience and the satisfaction of 325,000 satisfied customers is sufficient proof that he is making the machine that you ought to buy if you are going to raise poultry?

He can't furnish you any better proof—and he wants you to prove this to yourself by taking one of his machines on the same terms that these 325,000 customers have bought on, and try your hand at running one in your own way, in your own home. You send it right back to him if it doesn't make good

every claim he makes for it—and doesn't satisfy you the same as it has satisfied 325,000 other people. Read the proof in the description: Inner case made of A-grade kiln-dried clear (not a knot in a mile) California Redwood—the most durable most expensive lumber for the manufacture of an Incubator. Round this inner case is placed a complete wall of highest grade Asbestos—and around this comes the outer case of Solid Metal, in handsome mottled finish. This gives you a *triple-cased* machine that is INDESTRUCTIBLE—Fireproof—damp proof—and proof against shrinking or swelling of the wood. His cold-rolled copper hot-water heating system (patented) all his own invention—has Safety Lamp and Regulator placed at side of the machine, leaving you a clear table-like top for use in placing egg trays when testing eggs. No extra table required with an Old Trusty.

Johnson's price on The Old Trusty Incubator is just 7% above his actual cost of manufacturing in 100,000 lots, and in making 100,000 of these machines he is able to save in many ways because he buys his materials in such immense quantities and has all the latest and most modern labor-time and expense saving machinery in his factory. That is why his price to you on one of these perfect profit-producing Old Trusty Incubators is less than \$10 all freight paid East of the Rockies.

You are Invited to Send for His Catalog

Some makers call their catalog by all sorts of fancy names—but Johnson calls his just plain catalog because he writes it himself to sell his machines—but in it you'll find all his own actual experience as a poultry-raiser and incubator manufacturer, from the very day he started with a capital of 65 cents up to the day the book went on the press after he sold 325,000 Old Trusty machines. They're all proud of the Old Trusty out there in Nebraska. They're proud of the fact that they've sold them

to people all over the civilized world. They're proud of the fact that Clay Center is the center of the Incubator World—and they're proud of the fact that they haven't a dissatisfied customer that they know of, and that they've never seen an Old Trusty Incubator that was worn out.

**Simple, Sure and Trusty For
The Largest Average Hatches**

If you only knew what these 325,000 satisfied Old Trusty Incubator users know about his machine you'd surely send for his Free Catalog before you buy your machine anywhere else. This Catalog of his is not a word of art nouveau nor is it a specimen of the printers' art de luxe. It's a plain book of actual facts and experiences—full of photographs taken from the thousands and thousands of pictures sent him by his customers telling how delighted they are with his machine and of their successes with it.

Johnson can't bring you to his factory to see his machines but he can send you his catalog if you'll give your name and address on a postal. It's worth a dollar to you whether you buy his machine or not—if it isn't, just write and tell him so and he will send you stamps for its return together with stamps to cover the ones you've used in corresponding with him.

Just a word about the prospects for 1912. It looks as if on account of high prices of all food stuffs and the high cost of living generally that there's going to be more money made out of poultry this year than has ever been made before in the history of the country. Don't you want to get a share of it? Johnson will surely show you the way to do it as he has shown 325,000 other people—if you will give him the chance.

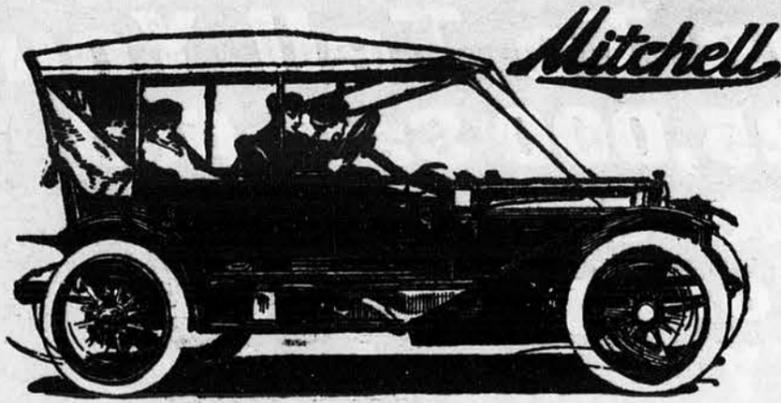
M. M. Johnson, The Incubator Man
With a Score of 325,000 Satisfied Customers
Clay Center, Nebraska
The Place Where Most Incubators Come From



**Less Than
\$10
Complete**

**Johnson Pays The
Freight—East of
the Rockies**

**30
to
90
Days'
Free
Trial**



Now-a-days the farmer wants the best in everything he buys; "the farmer's trade" doesn't require anything different from the city trade; you wear just as good clothes, and drive just as good an automobile as the man on the city boulevard.

The Mitchell car is a farmer's car just because it's any man's car who wants a good one. It is built to stand "the road"—any road; to go where you're going; and keep on going as long as you want it to.

It's made by the same people who have made the Mitchell farm wagon for 77 years; made in the same thorough way; to last and give service.

The new Six-cylinder—48-Horse Power—is a great country or city car; carries five comfortably; and gets there; \$1750.

The Six-cylinder—60 Horse Power—is a big 7-passenger car for the whole family; \$2250.

The four cylinder, five passenger Mitchell, 30-H. P., equipped, \$1350

The four cylinder, four passenger Mitchell, 30-H. P., equipped, \$1150

The four cylinder, two passenger Mitchell Runabout, 30-H. P., equipped, . . . \$950

They're all Mitchell; and all good. Write and ask for Catalogue B.

Mitchell-Lewis Motor Company

Racine, Wisconsin

Kansas City Branch: Sixteenth St. & Grand Ave

Poultry Projects in Kansas

By W. A. LIPPINCOTT, K. S. A. C.

Born with an inherent love for fine fowls—a careful poultry grower during his boyhood days—later a graduate from the Poultry division of Cornell University—Prof. William A. Lippincott comes to Kansas with so thorough a knowledge of poultry and poultry work that the Poultry division of the Kansas State Agricultural College will in future be of greater service to Kansas poultry growers than it has been in the past. With the close of the old year Professor Lippincott closed the book on work well done at the Iowa State College. With the opening of the new year we find him in charge of poultry work at Manhattan. Kansas welcomes him, and expects much of him—Editor.



FOR some years Iowa has held the lead as a poultry state. She has done so because she was the greatest agricultural state in the Union. She happened to have enough hens hanging around her corn cribs to make her incidentally the greatest poultry state as well.

Recent statistics show that this leadership is passing south to her sister state, Missouri. There have been two great reasons for this. The first is that Missouri, as a state, has given the poultry industry recognition and aid. The second is that Missouri is just far enough south of Iowa to escape the extreme and prolonged winter from which that state suffers. At the same time, Missouri is far enough north to escape the numerous diseases and extremities of temperature which the south is heir to.

Kansas has a climate that is equal to Missouri. She has a soil that for poultry purposes is far ahead. With climate and soil in her favor, it is only a question of time until the poultry interests receive even greater recognition from the state than they have with our neighbor to the east. I can see no reason why the leadership in poultry should not rest ultimately in the Sunflower state. In fact, I firmly believe it is now on the way and will merely secure a stop-over in Missouri on its way to Kansas.

formity for a large number of years. This can only mean pure bred stock, for no other stock is uniform.

In the third place, the farmer needs pure bred stock because it sells to better advantage. Any one who has marketed anything, from a basket of peaches to a carload of steers, know that they sell better if they are all alike. The eggs and carcasses of standard bred stock are far more uniform than those from a mixed flock. One of the largest buyers of chickens in the state of Kansas recently made the statement that he could afford to pay from one to two cents a pound more for a dozen pure bred carcasses than he could for the same number of ordinary mongrel carcasses.

Very often, however, the individual farmer who has good stock to sell finds that he cannot secure any better price than his neighbor who has poor stuff.

It may be put down as a general rule that eventually the good goods brings the good price, though the farmer may not get the benefit. The question is, how shall the farmer get the benefit?

The same question arises in marketing other produce. The man who hauls his well filled oats to the elevator often finds the man with light oats getting the same price. Why? Because most of the people raise poor oats. There are not enough good oats hauled to fill a separate car, so the good are mixed with the bad and go at the same price. The only way out for such a man is to combine with several neighbors who are raising superior oats and fill a car. Then he can market them at the higher price.

Practically the same thing can and will



The picture tells the story: A White Rock hen of the egg type, trap-nested to insure an accurate record of eggs laid—220 in 12 months; and amounts of feed (125 pounds) consumed during the year.

One of the greatest needs of the state today is the more complete introduction of the vigorous pure bred. I am not saying this in the interests of the fancier, but of the farmer. He needs a standard bred stock for three reasons.

In the first place, he will give it better care. In the same sense that we say "poor folks generally have poor ways," poor stock generally gets poor care. If the farmers of Kansas would give the same thought and care to their hens that they give to their horses, they could easily add two million dollars to the income of the state within the next twelve months.

In the second place, pure bred stock simplifies the feeding problem. A flock of pure bred birds can be fed cheaper than the mixed mongrel flock. Birds of the flighty Leghorn type have different food requirements from birds of the Brahma and Cochin types. Many mongrel flocks show these extremes of type and many gradations between. It would be as foolish to try to feed beef and dairy cattle in the same lot and expect good production of both beef and milk, as it is to expect good results from feeding a mixed flock of chickens of widely varying types.

The successful feeding of poultry is among the most difficult of feeding problems. The horse or the dairy cow is dealt with as an individual. The needs of the individual are catered to. Hens must be handled in flocks of from 50 to 100. The nearest one can come to giving them individual attention is to cater to the average hen. The only way to have a large number of average hens is to have stock that has been bred for uni-

be done in Kansas with poultry. The key to the situation is community breeding. One man does not make much impression upon the local market, to say nothing of the city market. Several men breeding the same kind of birds in a community, will have eggs of the same shape and color, and carcasses of the same type. Their output will be important enough to make an impression on the local market. If the local man does not come across, the city man will be glad to get the goods, and pay a premium over the regular market price.

It is not wise to try to cover too much ground in the beginning. Therefore, the poultry department at the Kansas State Agricultural College expects to devote a good deal of its time trying to encourage these two things, namely: the introduction of standard bred poultry on the one hand, and community breeding on the other.

At the college, experiments will be taken up dealing with the farmers' problems. In the final analysis the motive behind every experiment will be the effort to make more money for the farmer through poultry. Just what problems will be tackled first cannot be determined until a more thorough study of the state has been made.

In the class room at the college, a systematic study of poultry management on the farm will be taken up. This study will include principles of poultry house construction, feeding, breeding, judging and rearing the different classes of poultry. As fast as there is call for them new courses will be added, until the course, as a whole, is equal of any in the country.

Sam Thompson Guarantees \$1,000,000 More Poultry Profit With Fairfield Incubators-The Worlds Best Hatchers

That's a big guarantee but it's made in good faith. I am here to prove it. I am here to show you how to get your share of the increased profit, how to put chickens raising on a sound basis and eliminate experiments.

Most manufacturers make claims for their incubators. They all promise big hatches and then if their machine only hatches 40 or 50% blame it on the eggs or say that you did not operate the machine right.

I make claims for the Fairfield. I say it's the world's Best Hatcher, that it will hatch 90% or better for you or for anyone else.

I put this in writing and if the Fairfield fails to

make good I take back the incubator without expense to you.

I sold the Fairfield on this fair and square plan last year—10,000 chicken raisers took up my offer and made big poultry profits.

This year I intend to put out 20,000 Fairfields on this basis—that means 20,000 Fairfield owners will make 90% hatches or better instead of 40 or 50% hatches that are usually made with ordinary incubators.

The answer is Fairfield owners will add over a million dollars to their chicken profits. Will you be one of them?

I Want You to Try My Fairfield, the Perfect Incubator, 60 Days at My Risk.

In other words, I want you to make 2 hatches with the Fairfield. I want you to test this wonderful incubator on your own place.

I want you to see how well it is made, how nicely it is finished, how simple and easy it is to operate, how inexpensive it is to operate, how perfectly it hatches.

When you have thoroughly tried and tested it, you will be proud to own it. You will find it a big money maker. I don't think you will be willing to part with it for ten times what it cost you.

If the Fairfield does not come up to my claims, if the 2-hatch test does not prove satisfactory,—I'll take the machine back without expense to you,—without quibbling or argument.

That's my way of doing business. It's the fair and square way. It's the way for you to get the right incubator.

Look at the picture of the Fairfield shown below.

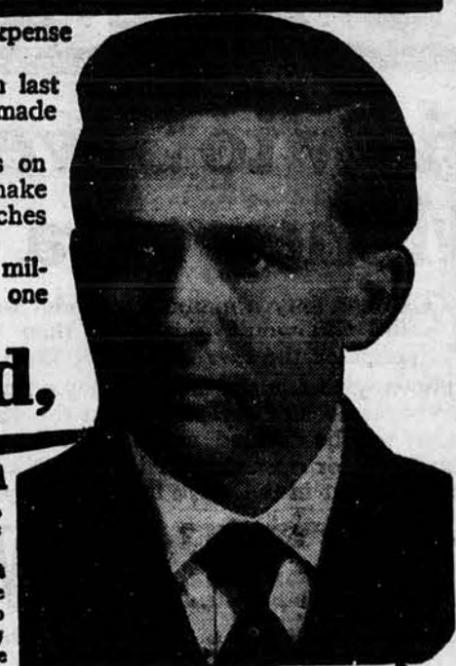
It's made of finest California redwood and will not shrink or warp. It has strong cypress binding trimmed in brass. Has perfect heating system made of finest copper.

The lid of the Fairfield is extra heavy with 2 layers. Fits perfectly over body of machine so heat cannot escape. Between layers of lid is a special insulating material to hold the heat.

The Fairfield also has roomy nursery, deep, well-made egg tray, double air tight doors, besides many other good points not found in other incubators on the market.

In a few words the Fairfield is honestly made to do honest work and is sold on my fair and square make good plan.

Sam Thompson



90% Hatches Guaranteed

Not just a promise but a gilt edged, straight from the shoulder guarantee and it's not an experiment either. I made this same guarantee last year and when I sprung it everyone was surprised. Other manufacturers said I would go broke, no incubator could be built to make good on such a guarantee. They said chicken raisers, especially the beginners, would take advantage of me on this generous guarantee. I knew the Fairfield would make good and that chicken raisers would be pleased with an incubator like the Fairfield and give me a square deal. I was right. The Fairfield is now acknowledged the World's Best Hatcher. I did not go broke. No one took advantage of my liberal guarantee and I am here again this year with the same 90% hatch guarantee ready to make good to you or anyone else.

Read These Letters

They are only a few of the thousands I have received from people who tried my Fairfield last year. These letters prove that the Fairfield is the most perfect incubator on the market, that it can and does make good on my 90% hatch guarantee. Write me and I will send you a bunch of testimonials from Fairfield users in your home state.

L. H. Hastings, Thayer, Kansas, writes: I was so pleased with the way my new FAIRFIELD thrashed out the little S. C. B. Leghorns last week. From 125 fertile eggs I hatched 124 chicks, it being the first hatch. I have used incubators for eight years of two different makes, but never had such a good hatch. I shall want another one next spring.

Mrs. N. N. Bashor, Pendleton, Oregon, writes: I have had two hatches from your incubator and got 86 per cent and am very pleased. I am the only one around here that had the FAIRFIELD, but I think there will be another year as every one who saw the machine thought it was all right.

Mrs. H. M. Wilson, Bronaugh, Missouri, writes: Now a few words in regard to my second hatch with the Fairfield. I simply had a fine hatch, 143 chicks out of 147 fertile eggs.

Mrs. O. S. Stanley, Longmont, Colorado, writes: My chickens hatched Thursday and out of 119 eggs I got 108 chicks. All nice plump chicks. I cannot praise your incubator too highly and I cannot get along without the brooder. It is all right.

Free

My Big New Catalog and Poultry Book

The biggest of its kind ever published—tells all about ordering incubator—fully describes every part and every detail of Fairfield Incubator and Brooders—contains facts, figures and proof to convince anyone that the Fairfield Incubator is without question the World's Best Hatcher. Get the catalog and read what poultry experts and thousands of other money-making poultry raisers say about the Fairfield, the only guaranteed incubator in the world.

Secrets Exposed

I am not going to be a muck raker. I don't intend to make exaggerated statements. I am simply going to tell the truth which some manufacturers consider secrets and show just what the difference is between a good incubator, such as the Fairfield and some of the so called incubators or soap boxes. Then it's up to you to decide.

To make it absolutely clear I will give 6 of the principal reasons or points by which you can recognize a good incubator and at the same time show and prove why the Fairfield is really the World's Best Hatcher and the biggest incubator value ever offered.

1. **Material**—There are many kinds of material used in constructing various incubators; namely, wood scraps, sheet iron, strawboard pulp, etc. The Fairfield is of finest California redwood, the kind that does not warp or shrink.
2. **Heating System**—Some are made of tin, iron, steel or other material that rusts or leaks. The Fairfield is made of best quality copper.
3. **Heat Regulation**—That's important for big hatches. Ordinary incubators are poor heaters because the temperature varies too much. Chilled or overheated eggs do not hatch. The Fairfield is always right because it's self-regulating.
4. **Nursery and Egg Tray**—Ordinarily these important features are small and flimsy—hard to

- get at—in the Fairfield they are large and roomy—just right for convenience—made right and fit right.
5. **Guarantee**—Some incubators are guaranteed to last a few years—most of them are not guaranteed at all. The Fairfield is guaranteed of best material—that means it's guaranteed to last—it's the only incubator in the world guaranteed to hatch 90% or better in all climates under all conditions—that means it's the only incubator that makes poultry profits certain.
6. **Price**—A poorly built, poor hatching incubator is expensive as a gift—it's a bother and a nuisance—wastes time and money. The Fairfield is the best made, biggest hatching, longest lasting incubator in the world and the price of it is no more than you pay for the ordinary, uncertain kind.

I Have Given You Honest Facts Now Give me a Chance to Prove Them

I have made stronger claims here than any man has ever dared make for an incubator. But I stand ready to back every claim and promise and I want you to make me prove them. The only way to prove an incubator is by actual use and that's the way you prove my Fairfield. I send it on 60 days' trial. If it fails to hatch 90% or more of all fertile eggs simply ship it right back to me. I pay the freight and you're not out a cent. The fairest proof I know of. I let you try my Fairfield before you buy it and if it doesn't do everything I claim for it, I take it back.

This is your chance to get an incubator right. I send my Fairfield to your door so you can compare it with any other machine, not only for looks and convenience but for actual hatching. I promise you a square deal and no man dares say Sam Thompson ever broke a promise. Remember I let you keep the incubator for 60 days and 60 nights before you have to decide about keeping it.

Cut Out This Poultry Profit Coupon Now.

Get my big catalog. Fully describes my wonder-working Fairfield Incubator and is crammed full of valuable information on poultry raising for profit or pleasure. Costs you nothing but is worth much if you keep chickens or ever intend to keep them. Send the coupon.

Nebraska Incubator Co.

Sam Thompson, Pres. 57 Main St. Fairfield, Neb

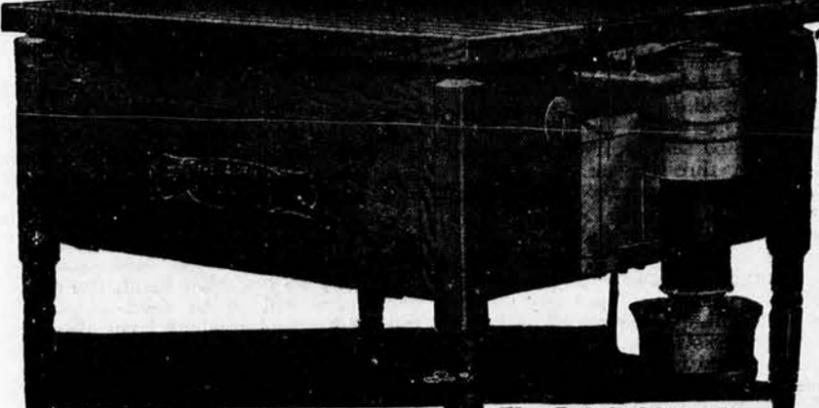
Sam Thompson, President, Nebraska Incubator Company,
57 Main St., Fairfield, Nebraska.

Dear Sir—Without obligating me please send me your big Fairfield Incubator catalog and book of poultry facts, together with full particulars of your 60-day trial offer and 90% Hatch Guarantee.

Name

R. F. D.

P. O. State

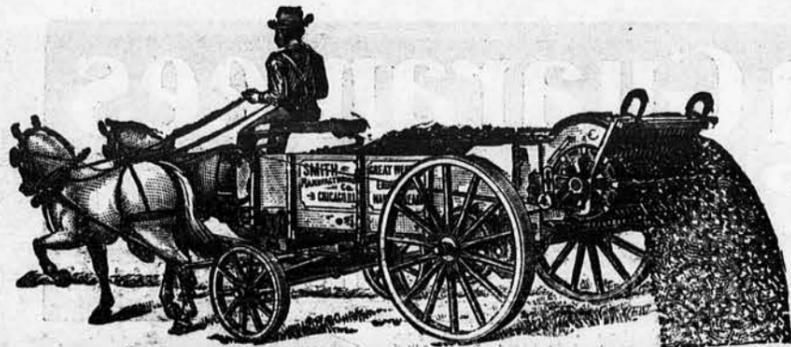


The Fairfield Brooder

You need a good brooder to raise the chicks hatched in a Fairfield Incubator. The Fairfield Brooder is specially built. Uniform heating system—all chicks receive equal warmth. Double walls and doors. Rat and weasel proof and can be placed outdoors even in stormy weather. Raises larger average of chicks than any brooder made. The only ideal mechanical mother.

The Fairfield is the only Guaranteed Incubator in the World.





How to Save the Most Money on a Spreader

YOU can buy a manure spreader for any price you want to pay. But you won't get more than you pay for. The cheaper the spreader the more expensive it is in the end.

The way to save the most money on a manure spreader is to get the best—regardless of first price. Get the spreader that will last longest—so the cost will be divided among the most years. Get the spreader that costs least for repairs. Get the spreader that is lightest running and most efficient in the work it does. If you do that you will get

The GREAT WESTERN

Let us show you by actual facts and figures why the Great Western is the only spreader you ought to use. Then you will understand why it is used and endorsed by over 100,000 progressive farmers and by nearly every U. S. Government and State Experiment Station.

Built To Last

The Great Western has 214 feet of solid oak in its construction. It has an all oak frame, double oak bolsters, oak pole, oak axle caps, oak beater, oak bed stakes, oak rake head and oak cross pieces. It has hickory single trees, hickory double trees and hickory neck yoke. The frame is absolutely rigid; it cannot be twisted out of shape, no parts can bind—hence it is the lightest draft spreader made. The GREAT WESTERN endless apron runs on 75 large rollers—one set on each side of the heavy oak frame and one set supporting the center. These large rollers are set close together so there's no sagging or waving of the apron slats. The Great Western has a big 15-inch indestructible malleable fifth wheel that weighs 40 pounds. This is attached with malleable braces to two big, heavy, solid oak bolsters. It is arranged so that if one wheel drops into a hole or rut, there's no strain or binding on the frame.

The Great Western malleable fifth wheel and heavy oak bolsters are set back two feet under the box so the load is evenly balanced on all four wheels.

The front wheels of the Great Western track with the rear wheels. We make the heaviest wood and steel wheels ever put on manure spreaders.

Great Western Spreaders are made in two styles and six sizes ranging from 35 to 100 bushels capacity. You can suit your needs exactly in the complete Great Western Line. Each Great Western handles all kinds of fertilizers in any kind of weather.

Big Spreader Book Free

We want your name and address at once so we can send you our big, free book. No matter what is in other catalogs, compare any other spreader, point for point, with the Great Western. Find out how spreaders are made and what they are made of. Find out the record of repairs. Find out what other farmers say about them. Then see the spreader itself. Don't let any low price influence you until you know all the facts. Remember, it's the cost-per-year—that counts. Write now for catalog. Address

Rock Island Plow Co., 241B Second Ave., Rock Island, Ill.

APPLETON QUALITY MANURE SPREADERS



Every Progressive Farmer

is interested in having the best manure spreader. It will pay you to study up spreaders before you buy. The more you study the Appleton Manure Spreader compared to others, the more good points you will find. Send today for Free Catalogue showing nine styles and proving why Appleton Oak Frame Spreaders are the best. The letter herewith speaks volumes.—

Portage, Wis., Dec. 1, 1911.

Appleton Mfg. Co., Batavia, Ill.

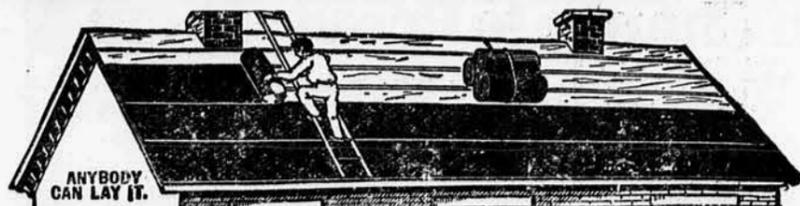
Gentlemen:—I expect to buy a spreader in the Spring. I like your machine better than any I have ever seen. My nearest neighbor has run an Appleton Spreader for five years and has not paid out five cents for repairs. He has three hundred acres of land and they haul a lot of manure in a year. He has never had more than three horses hitched to it. Some farmers here that have other makes have four horses to pull theirs.

Yours respectfully,

W. J. Koeppe, R. No. 1, Portage, Wis.

APPLETON MFG. COMPANY, 219 Fargo St., Batavia, Ill.

A complete line of machines in stock in your territory.



Rubber Roofing

Warranted For Twenty-Five Years. To Any Station East of Rocky Mountain, 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. 123, East St. Louis, Ills.

The American Hog is Best

The Hog is a Market, a Factory, a Product and Brings a Profit From Each

I am always ready to say a good word for the great American hog. He has without doubt done more for the American farmer than any one kind of live stock produced on the farms of this country, said A. J. Lovejoy in a recent address. He feeds the peasants of Europe, the cotton pickers of the south, the workmen in the mines, the workers in the shops, the laborers of the world, as well as the masses, and the millionaire in his palace. What is there more tempting than the various delicacies furnished by this self-same hog? Talk about your roast of beef, your saddle of mutton, but what are they in comparison to the tender, toothsome ham, the delicious prime bacon, or even the good old-fashioned home-made sausage, tenderloin or rib roast, the mild little pig spared by foresight for something nobler than juvenile roasting, and prepared by art and man's device to a perfection surpassing nature? There is no delicacy on the market that compares with this produce of the pig—bacon. Why, the course of empire westward was greased with the bacon fried on the way.

One of the reasons why the hog is a great source of profit is in a great measure owing to its remarkable prolificness, reproducing at an early age and bearing from five to ten and often more pigs at one birth. A statistician who handles figures with great ability once estimated that a single sow producing only six pigs at a time in ten generations would amount to the grand total of 6,500,000. Probably this gentleman made no estimate for losses of pigs before weaning time, nor did he figure on any losses from cholera or other diseases. However, his figures would give one the impression that he got up the statistics of the poultry business in advertising the American hen. It takes a great statistician to get ahead of a hen crank.

At the present day the American hog not only supplies the various products of his carcass in the eatable line to the wants of the people of the civilized world, but also furnishes lubricating oils, brushes, combs, buttons, knife handles and other ornaments of various kinds; and even the blood, a portion of the bone and waste scraps of other meat not otherwise used are manufactured by the great packing houses into by-products to be used as feed, among which is blood-meal, bone-meal and a preparation known as tankage, which latter is considered one of the best protein feeds yet discovered and is very valuable to combine with corn meal or other fat-forming feeds for use in the production of pork, coming as near, when proper amounts are used, to making a balanced ration as can be found. When tankage is used in connection with corn or corn meal for the finishing up of hogs, it should be used in the proportion of about 80 per cent corn or meal to 20 per cent tankage. When used with mixed feeds of various kinds, such as wheat middlings, ground corn and oats, or barley and middlings, about 12 per cent tankage is sufficient. If skimmed milk is used to mix these feeds, 5 to 10 per cent of tankage would be sufficient.

There are some farmers who do not like the work of handling and breeding

swine, nor the feeding and care it requires to make it a success. Such people should let this business alone, for to succeed in the handling of any kind of farm stock one must like the animals and the work that is required in their care. One often hears the remark, "As dirty as a pig." This is certainly a villification of the animal which Benjamin Franklin's colored servant said was "the only gentleman in England," from the fact that he was the only animal that did not have to work in that country. Now, as a matter of fact, the hog is not naturally a dirty animal. In most respects he is more cleanly than any of our domestic animals, and unless closely confined in small quarters he will always keep himself and his bed clean. In this respect he is far more tidy than the horse or cow. Of course, he, being an animal that cannot perspire, suffers more from the heat, and if he can find nothing cleaner in which he can cool his body he will wallow in a mud hole. Many up-to-date farmers at the present time build a bathing pool in which fresh water can be run daily or continually if one has a spring on the farm. These are built from 10 feet wide to about 20 feet long and at a depth of 10 or 12 inches, of cement with an outlet, and in this manner the hogs can have a cool bath without any mud. This is a splendid thing to have on the farm, and by pouring a little disinfectant and a little crude oil every few days into this bathing pool, a hog breeder or feeder will never be molested with lousy hogs. It also keeps the skin in a healthy condition and is really a benefit to the hogs.

I once heard a gentleman say that a hog is a machine, one that oils itself, puts 10 bushels of feed into less space than a bushel measure and in doing so doubles the value of the feed used, then carries it to market on his back. Corn, barley, oats, grass, clover, alfalfa, rape, or any of the by-products of these loaned to a well-bred hog, is money at big interest—in fact, it has been called a mint; the grains and grasses are the bullion which, put into the hog, is transmuted into pork; and it is an honest mint and gives 16 ounces of avoidupois of edible meat. Properly bred, intelligently fed and handled, this autoeratic porker will pay off our debts, furnish the money to improve the farm, remodel the old home, furnish it up to date, as well as furnish the means to send the farm boys to the agricultural colleges of the country, thus making them better prepared to farm and better and broader men in every respect than they would otherwise be.

The breeding of swine with me has been made a specialty for over 34 years, and it has been in fact, as well, a pleasure and a profit. Of course, this business has not all been a bed of roses by any means. Like all other kinds of business it has its dark days as well as bright ones. For the last few years the prices on live hogs have been extremely high, yet, on the other hand, the grains that have had to be used in making this high-priced product have also been extremely high; that the profits have been a little more during the last five years than they were during the period of 5-cent pork and 30-cent corn.

Enemies of Stored Grains

Five or six of the twelve or thirteen species of beetles attacking stored grains are found usually in farmers' bins. There are also four species of small moths. The Angourmois grain moth is the most serious pest attacking corn. Those causing the most damage in meal, bran, or any of the ground products, are the meal moths and the Mediterranean flour moths. "Weevil" is the term the farmer applies to all these insects and he distinguishes the moth by the term "fly weevil." All the beetles are small, none of them exceeding five-eighths of an inch in length. Most of them are less than one-fourth of an inch in length. They are red, brown or black. The work of the moth may be distinguished from that of the beetle by the presence of a web or silk in the grain, bran or flour.

It makes very little difference which species may be causing the trouble. All succumb to the same treatment.

Fumigating with carbon bisulphide is the simplest and most effective remedy, say the bug men at the Kansas Agricultural College. To fumigate, make the building as near air-tight as possible. One pound of carbon bisulphide to every 100 bushels of grain should be used in every case. If the insects are very abundant the amount of liquid should be doubled. Place the liquid in shallow dishes as near the top of the building as possible, as the vapor is heavier than air and settles to the bottom. From 24 to 36 hours should be sufficient time to let the building fumigate thoroughly. The vapor of carbon bisulphide is inflammable and explosive. Be very careful in using it.

When you are "down in the mouth" and the world seems a hard place in which to live, remember there are others worse off than you.

GALLOWAY'S BEST Engine Advertisement! Written By His Customers

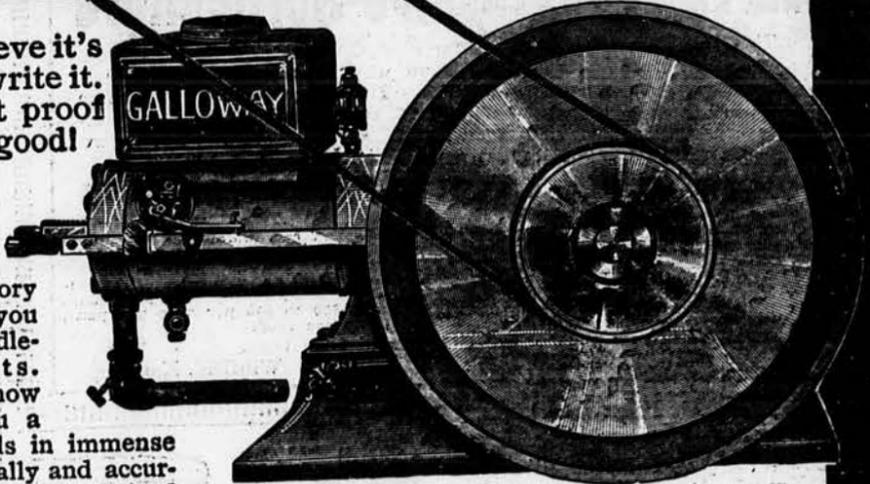


I LIKE this advertisement. I believe it's the best I ever used. I did not write it. My customers did. It's the best proof that Galloway's pudding tastes good!

I've told you many times that I can and do save you \$50 to \$300 on the price of an engine, depending on the size. I've told you many times about Galloway's quality. I've explained how my direct-from-factory plan saves you all the middlemen's profits. I've told you how we make you a

further saving by buying raw materials in immense quantities—by manufacturing economically and accurately on automatic machinery, all parts standardized and interchangeable—by taking a *small profit* on each engine because we sell so *many*. And I've offered you my Galloway on 30 days' free trial, backed by my 5-year guarantee and \$25,000 Legal Guarantee Bond.

Now, I'm going to let my customers tell you some facts. What they say tells the true story better than if I were to personally write you 10 pages right here. They've tried my engine under almost every condition and in every way.



CAUTION—Look Out! There are three kinds of engines offered on the market today. First, the too cheap kind which you don't want at any price—they won't and can't last—have light fly wheels and when in operation jump all over the floor. Such engines are offered by merchants and jobbers, some of whom go under the name of manufacturers, but who have no factories at all. Second, the too high priced kind which have got to come down, because the value simply isn't there. Third, the just right kind, like the Galloway, which has all the quality of the too high priced kind and on account of being sold direct, all sizes from the smallest up to 15 H. P. are sold at very low prices.

YOUR BROTHER FARMERS SAY!

Saving On Price

Gustave Gross, Willa, N. D. The Galloway is the best engine I ever saw and I have had five different ones. My 10-year old boy starts it in half a minute in cold weather. It has more power than you recommend.

A. C. Anderson, Spencer, Iowa. The Galloway engine has given good satisfaction and is so simple in operation and is never getting out of order. I would rather have it than some other engine costing over \$125 more.

S. R. Harman, Napoleon, Ohio. My big Galloway engine cost me \$237 less than the _____ people ask.

Fred Carpenter, Alcester, S. D. It is as good as the \$350 engines here.

Jos. Blizard, Perth, N. D. The Galloway is as good as other makes that cost about one-third more and a great deal simpler.

Alex McLacklan, Argyle, Mich. It's a dandy. Some of my neighbors got bit on other engines by paying \$400 for a 9 H. P. and \$460 for a 10 H. P. I like your machine dandy.

C. R. Munsell, Wilburn, Ia. Anyone wanting a gasoline engine can't go wrong in trying a Galloway—is my advice to any inquiries I have here at home.

C. A. Ostrade, Pekins, Okla. I made a careful study of gasoline engines for some time before buying and at last decided on the Galloway 5 H. P. because it is best and the price is right.

How Much for Repairs?

E. F. Ritz, Washta, Ia. I have used the Galloway 5 H. P. engine since March 1, 1909. Have used it almost every day. I have not yet paid a cent for repairs.

H. M. Shelstad, Brandt, S. D. The engine has paid for itself. It has not cost me one penny for repairs and it is as good as the day it was new. I would not sell it at any price if I could not get another Galloway. They are the best I have seen, to my notion and I will have a good engine, as long as I need one. I saved about \$200 by buying of you.

A. P. Wilson, Fort Lupton, Colo. I have not had any trouble with my Galloway since I started it last March. Has never cost me one penny for repairs.

Is the Galloway Simple—Reliable—Economical?

E. L. Plummer, Converse, Ind. The Galloway engine paid for itself the first year. The engine has not cost one cent for repairs and seems to be as good as new.

Chas. H. Faris, Lerna, Ill. Concerning the 5 H. P. Galloway engine bought of you some time ago, will say that it is all you claim for it and has not been found wanting in any respect whatever. It is simple, has plenty of power, and is very practical in every respect and I cannot understand why any person that is competent to run a wagon on the farm would not be competent to run this engine to do any work that it would be able to do. I set this engine up at my place and started it going and it has not cost me one penny for repairs yet.

Henry Foltz, Delterich, Ill. I installed one of your 5 H. P. engines in my shop last spring and must say that I am more than pleased with it. It is a smooth runner and puller and has never refused to run. Have not had any expenses—not a penny for repairs. There are several different makes of engines in our town, but the Galloway beats all.

Henry H. Olsen, Hancock, Ia. In regard to the 5 H. P. Galloway engine I purchased of you a year ago last fall, I am more than pleased with it. Everyone who sees it at work says it is a dandy. Has not cost me a cent for repairs.

Fred Ruthardt, Mt. Vernon, S. D. I must say the engine is alright. I saved about \$100 in buying from you.

Jno. Higginbotham, Miami, Okla. When it comes to talking about gasoline engines, there is no other engine made that comes up with the Galloway. I never had a minute's trouble with my engine and have now run it about six months.

Will Weigel, Flandreau, S. D. I am well pleased with the Galloway engine. Have had no trouble whatever with it.

Julius Tufte, Fergus Falls, Minn. I am using it every day and have not had any trouble with it. I am more than pleased with it. Could never have gotten a better one.

W. A. Paul, San Angelo, Tex. My engine has given perfect satisfaction. In fact, I consider it the best engine in the country. It is so simple to run.

Roy T. Evans, Elgin, Minn. I wish to tell you that I think the 5 H. P. Galloway engine is a dandy. It is the simplest and smoothest running engine I ever saw.

John Hermacek, Blender, Wis. I have seen quite a few gasoline engines, but the Galloway starts the easiest of all that I have seen.

C. H. Klingsporn, Pine Island, Minn. The Galloway is easy to start and operate. It is the easiest starting engine in cold weather that I have seen.

W. A. Hopper, Toronto, Kas. I think the Galloway engine is the best and simplest engine made. I have been running ours for nine months and I think I ought to know.

SPECIAL NOTE: There are hundreds of other letters like these in my Big Free Engine Catalog. Don't you want to read what men like yourself have to say about Galloway? Mail coupon or just a postal—now!



Don't you want my great engine book and special engine proposition? Don't you want to compare the Galloway with others before you buy? You owe this much at least to yourself. Just a two-cent stamp sends me the coupon—or one cent for a postal—and my book and offer come by return mail. And if you buy a Galloway you'll save from \$50 to \$300, according to size of equal quality. Is it worth while? I'll also send, without any further effort on your part, my new, handsome and original catalog on the Galloway General Line. Write me today without fail.

WM. GALLOWAY, President
The Wm. Galloway Company
385AD Galloway Station Waterloo, Iowa

Wm. Galloway, President,
The Wm. Galloway Co.
385AD Galloway Sta., Waterloo, Ia.

Please send me—absolutely free—the following:

1—Galloway's Magnificent New 64-page Engine Book in Four Colors, and Special Offer to 10 men or more in every township.

2—Also your new 1912 different and original, 3 color General Line Catalog.

3—Galloway's Special New Folder, giving "Inside Facts" showing what dealers pay for engines and what they sell for.

State.....

County.....

Town..... R. F. D.

Name

Just a Word About My Special Offer To You and 9 Other Men or More in Every Township.

All I ask is that you be fair to yourself. You want the best engine for the least money. Don't let any dealer influence you. They're all knocking Galloway because he lets the farmers keep the Dealers' and Agents' and Middlemen's profit. We can't blame them for being sore but you can't afford to pay \$50 to \$300 more for your engine just to please them. That money is as good to you as anyone else.

Now listen. I want to place 10 or more Galloway engines in every township in this country. To do this I'm making a special offer—cutting my price to the bone. I can afford to do this because one Galloway engine itself always sells another one and in many cases from 6 to a dozen. Their high quality and low price appeal to everybody.

PEDIGREED TREES

Live stock breeders don't think of mating up scrub stock. We, as tree breeders, don't propagate from any but pure-bred stock. But we go farther—the parent stock we use must be not only pure-bred—it must also be of known producing quality—trees bearing choicest fruit and the greatest quantity at the same time.

Buy your trees from us, and be sure that in the years after planting, when they come into bearing, you will have what you wanted—the utmost quantity per tree and per acre—and of the choicest quality.

We are the originators in America of PEDIGREED TREES. Our work has been proved through 15 years in our nurseries and in the orchards of hundreds of patrons.

from uncertainty of product, in quality and quantity.

And our patrons emphatically and enthusiastically say we have succeeded in our mission.

Send for our FREE BOOK Progressive Horticulture

This fine book tells all about our trees, how we produce them, how we write and record pedigrees, and how we get parent stock of known high producing yields of finest fruits. This book will tell you some new things, just as it has done for U. S. Government experts and college professors. These didn't know it all. A Kansas farmer has shown the world a great, new, immensely practical idea.

GENUINE CATALPA SPECIOSA

We are also the largest growers in America of strictly pure Catalpa Speciosa, the coming great forest tree (not the "scrub" catalpa). A tree that makes posts in four years, poles in six years, and railroad ties in twelve years. Posts, poles and ties last thirty years in the ground, something un-

known of any other. As a hardwood, it rivals oak and mahogany for many uses. A grove of Catalpa Speciosa is a fortune in itself. Grows forever from one planting, and with little cultivation to start on any corn belt farm. Produces \$30 to \$50 per acre per year, and is a sure crop.

Write us at once about it or our pedigreed fruit trees.

WINFIELD NURSERY CO., Box 2, Winfield, Kan.

THE FARM



Answering our Olpe, Kan., subscriber: A peck of good Kafir seed to the acre is plenty, we think, when planting Kafir for grain. During dry years this quantity, if all the seed grows, is too much, but for the average season we think this right. We would have Kafir for grain planted no thicker than corn. We do not believe in attempting to grow a crop of Kafir for grain and forage both on the same ground. When planted thick enough for good forage it is too thick for grain.

We know of no feed mill which will grind Kafir heads as readily as ear corn. If there are such mills, will KANSAS FARMER readers tell us about them? The editor's experience is that Kafir heads can be successfully ground by any mill which will grind ear corn, referring especially to the sweep mill. It is our judgment, though, that there is a type of mill designed especially for the grinding of alfalfa heads. Feed mill manufacturers should take cognizance of the fact that Kansas is a Kafir state and will become a still larger grower of Kafir, and mills which will speedily grind the heads should be advertised.

The black hulled white Kafir is the heaviest producer for our subscriber's section. But it is the editor's experience that it is not as good feed as the red Kafir. The white is sweeter and stock tire of the grain more easily. For the subscriber's section we would plant red Kafir. It matures earlier, is a good producer, and yields only slightly less than white. Get pure red seed.

In preparation of oats ground disking and cross disking is good—better than double listing, in our judgment. Thorough plowing we believe better than either. Our farming for oats is, as a rule, miserably poor. We prepare the ground poorly, sow poorly, and use poor seed.

Our Salina, Kan., subscriber says: "Last fall I forgot to put my peach pits in the ground. I would like to raise some seedlings next summer. Tell me the next best thing to do."

Secretary Wellhouse, of the Kansas Horticultural Society, says: "Put the pits in water for four or five days, changing the water often enough to prevent fermentation. Then pack them in some material that can be kept damp, moss preferred. It will take about 90 days to open the pits thoroughly in this way. If there is not time for this, the pits can be carefully cracked with a hammer or nut cracker and the kernels planted as soon as the ground is in workable condition."

KANSAS FARMER editor is receiving a choice collection of letters regarding his advice to the young man whose case we diagnosed, according to our own judgment, on page 10 of the January 20 issue. These letters will be published, but we want more letters on the same subject, and you are invited to write. If you are a 40 or 80-acre farmer we will be more than pleased to hear how you handle your affairs. The greater part of the letters received, so far, indicate that the editor's ideas are wrong—dead wrong. Some letters state that a man should not even attempt to farm on less than a quarter section. There are a lot of 80-acre farms in Kansas, and many smaller, and we want to hear from you. We are not changed in our opinion, but we will have a hard time sustaining our position unless some small farmers come to our rescue. Please write.

Answering our subscriber, H. Moyer, Danbury, Neb.: Write your experiment station, Lincoln, Neb., for information regarding soy beans and cow peas in your latitude. Regarding his experience with cane last year Mr. Moyer writes: "My experience in growing cane for forage in western Nebraska in an unusually dry season like 1911, which will apply to every year: I disked the ground thoroughly as soon as the first crop of weeds appeared, using a center shovel on the disk so as to cut out all weeds between disk gangs. I disked at intervals when necessary to keep the ground perfectly clean until the middle of June.

I listed 40 inches apart, using regular corn plate, dropping 18 to 20 inches apart in the row, and cultivated as corn. In this way I raised a very heavy crop, while on another piece of land equally as good and listed the same way without preparing the ground properly, I failed completely.

"My ground on the former piece was disked three times and cross harrowed before listing. I harvested with grain binder, cutting and binding two rows at once. It was almost too heavy to elevate in places. I have a fine lot of feed when most people are short."

Our Lakin, Kan., subscriber asks for information regarding the growing of soy beans for seed. The seed should be tested by placing in a pan of damp soil in a warm place to determine how much will germinate. If less than 80 per cent good seed is found, either better seed should be secured or a larger amount in proportion to the quality should be planted.

The seed bed should be in the best condition, for the sprouts of soy beans are very tender, and any obstacles, such as lumps, stones or crust on the surface of the ground will materially impede the growth. Seed should be planted from 1 inch to 1½ inches deep in the heavier soils, and 2 to 2½ inches deep in sandy soils.

Soy beans may be planted in rows 2½ to 3 feet apart, or may be drilled or broadcasted. Planting in rows and cultivating will give the best returns in seed. When planting in rows, about 60 pounds per acre will give good results. If planted broadcast for forage, about 150 pounds should be sown.

It will be found exceedingly beneficial to cultivate the soy beans when they are planted in rows. This should be done two or three times during the early part of the growing season, both to break any crust that may form and to keep out weeds.

The soy bean is a legume and is therefore a nitrogen gatherer for the soil. If properly handled it should leave the soil in better condition than before. This is particularly true of sandy soil which is generally somewhat deficient in nitrogen. The crop usually does well on the lighter soils as compared with the heavier soils.

Soy beans mature in from 90 to 115 days. They may be planted any time after the danger of the last killing frost is past. Rabbits and gophers are particularly fond of the young beans, and if there is danger from these pests it will be well to plant enough for yourself and the pests also.

The widespread interest in farmers' institutes is shown by the report of the United States Department of Agriculture as follows: Reports were received during the past year from 44 states and territories. In 41 of these, regular institutes were held to the number of 5,582; 3,723 were one-day meetings, 1,704 two days, and 155 three days or more. The total number of sessions was 15,532, with an aggregate attendance of 1,904,676. If the states and territories not reporting equal the sessions and attendance of last year, the aggregate number of sessions for the entire country will amount to 16,545 and the attendance to 2,074,099, as against 16,586 sessions in the previous year and 2,395,808 attendance, a falling off in sessions of 41 and in attendance of 321,709. The special institutes aggregated an attendance of 1,252,933, making the entire attendance at institute meetings of all kinds 3,327,092, or 383,848 more than in 1910. The special institutes are rapidly growing in importance and interest. One hundred and forty-nine movable schools were held, with an attendance of 39,965; 62 railroad instruction trains were run, covering 35,705 miles, accompanied by 740 lecturers and attended by 939,120 persons. Four hundred and fifty-nine independent institutes were held, with an attendance of 130,917, and 15 round-up institutes, continuing through 153 sessions, attended by 22,730 persons. There were 303 picnics and conventions, consisting of 269 sessions, attended by 120,161 persons.

Better Farm Implements
How to Use Them

You Should Have This New John Deere Book
Illustrates and describes the most complete line of farm implements. Tells how to adjust and use them under varying conditions. It is a practical encyclopedia for the farm. It is worth dollars to you.

Mail Free to Farmers
If you have not already received your copy of this new book, be sure to ask us for it now.

Get Quality and Service
John Deere Dealers Give Both

Davenport Roller Bearing Steel Wagons

Buy Your Wagon Once For All
There is a wagon made that is stronger, more durable and of lighter draft than any other. This wagon is

the strongest known wheel construction. Every spoke is staggered and forged hot into the tire. Regardless as to whether the spoke is at the top, side or bottom of the wheel, it always carries its share of the load.

Roller Bearings
That roller bearings reduce draft is generally conceded. Of the various styles, the straight roller bearing is the simplest and most successful.
For this wagon the straight roller bearing is especially adapted. The spindles and hubs are straight. Consequently, as this wagon is equipped with straight roller bearings it is of light draft.
A little book we'll be pleased to send free, tells of a good many more superior features this wagon has.

Steel Wheels
This wagon has steel wheels that are trussed and made with a tension.

Roller Bearings
The roller bearing

Be sure to tell us whether you want your copy of "Better Farm Implements and How to Use Them" and in order to get the "Wagon Book" containing full information regarding the above described wagon, ask for Package No. D-13

JOHN DEERE PLOW COMPANY, MOLINE, ILLINOIS

FREE TICKET TO THE KANSAS CITY LAND SHOW

We will entertain several hundred visitors at the Land Show, Colonists' and Tourists' Expositions to be held in Convention Hall, Kansas City, Mo., February 26 to March 9. If you wish to attend we will send you an invitation and FREE TICKET. We will furnish guides to conduct you through the Exposition. REMEMBER there is no expense to you for the invitation and ticket—WE furnish them FREE. Our sections will be the most attractive feature of the Land Show, our guests are requested to make it their headquarters and have their letters, telegrams, etc., directed care of our section. **FILL OUT THE ATTACHED COUPON and mail it at once; our supply of tickets is limited.**

THE GEO. H. PAUL ORCHARD CO., 500 North Main St., Pueblo, Colo., Chairman, Entertainment Committee.
Kindly send me an invitation and free ticket to the Kansas City Land Show, also particulars of your plan for entertaining your guests at the Show.

Name.....
Address.....

MAIL US THIS COUPON TODAY

\$29.50 Buys This Elegant Top Buggy.

WARRANTED FOR Five Years.

Retail Price \$60.00. Buggies, Surreys, Spring Wagons, Farm Wagons. We have cut out our Jobbers, our Wholesalers and our Retailers and offer YOU their profit. Write today for our Free Catalog and Delivered Prices.

Muhat Carriage & Harness Mfg. Co.
Station 266, East St. Louis, Ill.

FEEDING SILAGE TO SHEEP

We are feeding 3,100 lambs at this place and 240 ewes, and our silos and sheep pens are shown in the photograph I am sending you. The ewes



SILOS AND SHEEP PENS OF J. E. COX, CAIRO, NEB., WHO IS FEEDING SILAGE TO 4,000 SHEEP.

are in a pen by themselves and all feed given them is kept track of, so when fattened will know exactly what they have eaten. They have only been on feed a little over a month, and are now eating 2 1/2

pounds of silage, 1 pound cold pressed cake and 1/2 pound of alfalfa. The night of the 14th was the first corn they have had, and we intend to run them up to about one-half pound each day.

The man feeding these sheep has fed 14 years, and says he never fed a bunch that you could start to compare with this one, so far as gain in weight is concerned. They pretty near break their neck when turned into the feed.

There is another bunch here of 7,500 head, and the people feeding them are simply wild over this silage. They have fed 10,000 to 12,000 for a good

many years, and now claim they have lost several thousand dollars by not having silos.

Another party is feeding 1,800 head, and he feels the same as the above.—J. E. Cox, Cairo, Neb.

Have a Fixed Purpose.

It is our idea that farming is too much of a hit and miss game—it is too much of a gamble—and so we have written the farmer that there may be borne in upon his mind a clear-cut idea of what he wants to do, so that he will work hard to that end. This leads to every farmer having a specialty. Along this line the Blue Valley Bulletin says:

"We can't succeed at anything unless we have something definite in view. If we plod along from day to day with no fixed purpose leading us, we never know what the result is going to be except that history will repeat itself and no great measure of success will be attained.

"The farmer who wishes to make a specialty of dairying should have something more definite in mind than merely having a lot of cows around him. He should keep only dairy cows, those cows which convert their feed into milk. He must have those cows which are characterized by the same general conformation, i. e., spare quarters, and big, deep middles. There are other characteristics of the good cow, but these two are the most tangible ones. Many men have failed to make dairying pay because they have tried to run the business with no definite aim in view. That is the reason they failed.

"This doesn't necessarily mean that he can not follow diversified farming. It simply means that he should have something definite in view and work along that line until success has had time to crown his efforts."

Big Case Business.

The opening of the new year brought the announcement from the head offices of the J. I. Case Threshing Machine Company of Racine, Wis., of its increased capitalization and that an expansion policy would be inaugurated during 1912 which would be felt in farming circles around the entire globe. The gas tractor, which has been carefully studied by the Case experts ever since the first machine was turned out by the J. I. Case Company, as far back as 1892, will come in for considerable attention, and a big factory will be built which will be devoted almost entirely to the gas propelled engine.

The Case automobile, which has won its way to the homes of the farmer in every civilized country, will show a remarkable advance in 1912. The Case Company believes it has solved the problem of a high priced car for a medium amount of money through its magnificent new automobile plant in which is made and built almost every part of the car.

The history of the Case Threshing Machine Company makes up one of the red letter chapters in the annals of farm implement progress. Over 70 years ago J. I. Case, the founder of the great institution, landed in Racine, a straggling village at that time, with six crude threshing machines, bought on time, and an honest heart and hand.

After disposing of all the machines but one, with which he worked through-

out the summer of 1842, Mr. Case set to work improving the thresher, and by the spring of 1843 he had built a new machine which would separate and clean the grain at the same time. The reputation that at first extended over a county grew until today the sun never sets on the work of the Case threshing machines.

When asked to outline the plans for 1912, R. T. Robinson, secretary of the organization, shook his head. But when the time comes to unfold the expansion policy of the great company the farm world will have sufficient grounds for sitting up and taking notice, and those who have circulated or helped to manufacture the talk of a threshing machine trust will be forever hushed.

Gain Farm Land by Narrow Roads.

If, by narrowing the public roadways from 66 to 40 feet, Iowa can give back to the farmers 300,000 acres of agricultural land valued at \$30,000,000, why couldn't Kansas, with 60-foot roadways, save nearly as much? Governor Carroll, of Iowa, proposes to make that saving by reducing all highways in that state to a uniform 40 feet.

A big saving for Kansas could be made in the same way, says W. S. Gearhart, state highway engineer at the Kansas Agricultural College. A 40-foot road is plenty wide for traffic anywhere in the state, he says. Any Kansas road, Mr. Gearhart says, properly graded and maintained, which is 30 feet wide between the centers of the ditches on either side of the road, will accommodate any kind of traffic so far as width is concerned. But the ditches should be well formed with the bottom level not more than 24 to 30 inches below the crown of the finished road.

"A width greater than is necessary to accommodate the traffic," said Mr. Gearhart yesterday, "only gives a place for weeds and brush to grow. It furnishes, also, an opportunity for inexperienced road officials to waste public funds by trying to grade up and maintain roads 35 to 60 feet wide between the centers of the ditches.

"On roads having little traffic the width between the centers of the ditches may be reduced to 20 or 25 feet. This should be done, at least, until more funds are available. Roads 20 to 30 feet wide are much cheaper to grade and drag and maintain, when properly crowned, than wider ones. Any excess funds would better be spent in reducing grades and properly surfacing rather than making the road wider. It practically is impossible, with the funds that most counties have, to construct and maintain roads 35 to 60 feet wide.

"Missouri's cross-state highway from St. Louis to Kansas City, and the Santa Fe trail from Kansas City to Pueblo are graded 30 feet between the ditches, and no one objects to the width of them. The Meridian road, the Sunflower trail, the Golden Belt road, and other cross-state highways in Kansas are to be constructed the same width. On all of these roads it has been recommended that all culverts be constructed with a clear width of 20 to 24 feet."



How Do YOU Spread Manure

THE above illustration shows the difference in crops, between the IHC way of spreading manure—and the pitchfork method. The pitchfork way is slow, hard, and disagreeable, wastes much of the value of the manure, and the results hardly justify the labor and time invested. The IHC Spreader cuts the manure into fine shreds, spreads it evenly, and makes the work easy. Spreading manure the IHC way is bound to result in better soil, bigger crops, and more profits.

IHC Manure Spreaders

Keep 20th Century, Corn King, Cloverleaf

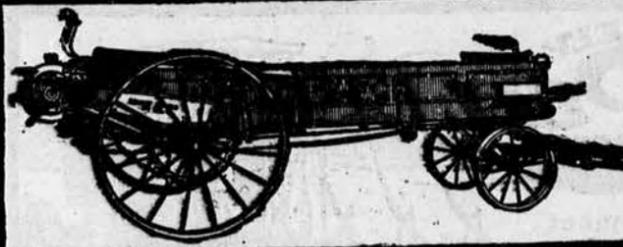
are simple, strong, and durable. They have many advantages that make them superior to other spreaders.

All working parts are extremely simple and wonderfully strong. The better driving gear is held in a single casting, so that there is no binding—no cutting of parts caused by the gears springing out of alignment. The roller bearing support for the apron reduces the draft. The levers are convenient. The feed changing device can be shifted quickly and easily. The wide range of adjustment allows you to spread manure heavy, medium, or light, as your judgment tells you is best for the soil.

Whether you have a large or small farm, or want a spreader for orchard use or truck gardening—there is an IHC that will suit your requirements. Why not see the IHC local dealer at once? Get a catalogue from him, or, if you prefer, write direct.

International Harvester Company of America

(Incorporated) Chicago USA



IHC Service Bureau

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

POTASH

Grain Farming

Necessity or choice makes grain the main source of income on many farms. The increasing cost of labor and land demand higher yields per acre. After the manual resources of the farm, including clover, have been used, a further increase per acre, at small cost, can be made by using commercial plant foods as supplements. The principal mineral ingredient of grain is Potash.

A grain fertilizer should, therefore, contain enough Potash, never less than 6 per cent., better 10 per cent., to balance the other plant foods, produce heavy grain and prevent lodging. Ask your dealer to carry goods of this kind and Potash salts to add to brands low in Potash. Potash Pays when you use enough.

Write us for Potash prices and for grain formulas

GERMAN KALI WORKS, Inc.
Continental Building, Baltimore
Whitney Central Bank Building, New Orleans
Monahan Block, Chicago

SAVE MONEY ON HARNESS

OUR PRICE \$26.65
WHOLESALE \$26.65
66 SHIPS, LESS DOLLAR.

This New "Favorite" Team Harness is only one of many that we offer at a money-saving price and it is a fair sample of what we can do for you in the harness line.

THE NEW "FAVORITE" HARNESS

is made of an exceptionally good grade of tanned leather in the style shown. It is very popular, both for farm work and city teaming, made to prevent sore backs, warranted to stand up under general farm work, and to give splendid service. Our guarantee of satisfaction or money back goes with every set. If you wish to do so, we will allow 30 DAYS FREE TRIAL to show our confidence in this harness, which we guarantee for one year from date of purchase.

OUR FREE HARNESS CATALOG describes the New "Favorite" fully, also a complete line of harness, harness parts, robes and buggies, blankets, pads, saddles and vehicles of all kinds. Be sure to get this book if you are in the market for anything in the harness line from a shop to a full set. Write today for this book.

JONES, POST & CO.

"THE HOUSE THAT SAVES YOU MONEY."
358 Liberty Street, KANSAS CITY, MO.

How to Get All the Pork Profits— Merry War Powdered Lye Makes Fat, Healthy Hogs

I have spent more than 20 years making all manner of tests, and I know what I am talking about when I claim that **Merry War Powdered Lye** is the most wonderful hog remedy, worm exterminator, conditioner and fattener the world has ever known. And my claim is amply backed up by the experience of thousands of hog raisers everywhere, who have fed **Merry War Powdered Lye** with remarkable results.

Don't wait till your hogs are sick—**an ounce of prevention you know—keep them well, hungry and on their feet all the time, feeding Merry War Powdered Lye** with their daily rations. Then you'll be able to finish off pork in the shortest possible time and at least expense, making every day's rations put weight on the porkers—then all the pork profits that should be yours—will be yours—and **Merry War Powdered Lye** alone will give them to you—and I can prove it.

I am constantly receiving enthusiastic letters of praise from thousands of hog raisers who are getting their full share of pork profits with **Merry War Powdered Lye**. Many of these letters are published in my free literature—read them—then there will be no excuse for you if you do not get all the pork profits coming to you, because you, too, can buy **Merry War Powdered Lye** at the nearest dealers.

Read These Convincing Letters From Hog Raisers:

A. W. Davis, Hamlin, Ia., writes: "Merry War Powdered Lye is the stuff to cure cough and thumps and put hogs in a thrifty condition, and I will never be without it while I raise hogs."

E. S. Row, Gracement, Okla., writes: "I have fed Merry War Powdered Lye to my hogs and have had good results. It is a sure worm killer."

Elvis Potter, Junction, Ill., writes: "Have been using a great deal of Merry War Powdered Lye. Find it the best medicine for hogs I have ever used."

Adam Schuch, Melouth, Kans., writes: "I consider Merry War Powdered Lye the best hog remedy I have ever used, and the cheapest. It has made a marked improvement in my herd."

Follow These Directions

Follow these directions carefully: Mix one tablespoonful **Merry War Powdered Lye** with slop for 10 hogs, or a half can with barrel of swill. Stir well and feed every day, night and morning. If your hogs are on a dry feed ration, mix a half can **Merry War Powdered Lye** to each barrel drinking water.

Feed Merry War Powdered Lye Every Day—and begin today—for the sooner you begin, the sooner I will be able to prove to your complete satisfaction that **Merry War Powdered Lye** makes good my every claim—and I will make the test.

Important Warning—Heed It!

Some commercial lye makers are trying to persuade dealers and hog raisers that any lye will do what **Merry War** will for hogs—but it will not, it can't—because no other lye maker knows the secret process that makes **Merry War Powdered Lye** safe to use in hog feed—they don't know the combination in **Merry War Powdered Lye** that produces fat, healthy hogs. **Merry War Powdered Lye** is the only lye absolutely safe to feed to hogs—and hog raisers who make the mistake of thinking that any lye will do the work which is claimed for **Merry War Powdered Lye**—fail to obtain results—pay the penalty in hog profits.

At All Leading Dealers

Merry War Powdered Lye comes in 10c cans; full cases of 4 dozen cans for \$4.80—at grocers, druggists, and feed dealers. Don't allow yourself to be talked into a substitute for **Merry War Powdered Lye**—because there are no substitutes.

If your dealer can't supply you, write us, stating his name—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."

Kettle Powdered Lye For Soap Making

If you want the best lye, exclusively for soap-making, scouring, cleaning, disinfecting, etc., use my famous **Kettle Powdered Lye**—it makes the best soap you ever used—but **DON'T** feed it to your hogs. **FEED ONLY MERRY WAR POWDERED LYE TO YOUR HOGS.**

At All Leading Dealers

Merry War Powdered Lye comes in 10c cans; full cases of 4 dozen cans for \$4.80—at grocers, druggists, and feed dealers. Don't allow yourself to be talked into a substitute for **Merry War Powdered Lye**—because there are no substitutes.

If your dealer can't supply you, write us, stating his name—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."



RUMELY OIL PULL TRACTOR
LA PORTE, IND.

In sizes to meet your Power needs—
At prices to suit your pocket-book.

Don't Be The Last to Enjoy Profits

Sooner or later every business farmer will own a tractor or hire one. The big profits come with ownership. Don't be the last to enjoy the savings and profits an **Oil Pull** means. Better be the first in your locality to plow for 50 to 75c an acre—to plow 12 to 25 acres a day—to make the big profits by plowing for neighbors. You be the power man in your locality. You can do it—whether you farm 160 acres or a many thousand acre ranch—it you own an **Oil Pull**.

Now You Can Farm With Oil

There is an **Oil Pull** for you. They are made in sizes to meet your power needs—at prices to suit your pocketbook. It is the only tractor that burns lowest grade kerosene successfully at all loads under all conditions. The saving in fuel alone by burning 5c to 7c kerosene instead of 12c to 20c gasoline amounts to a big bank balance every year. Because the **Oil Pull** is the only tractor with the famous Secor-Higgins Carburetor—the solution of the combustion problem for an Oil-burning engine. And remember, plowing is only the beginning. Our fine book tells how **Oil Pull** saves and makes money for owners in many other ways—harrowing, seeding, cultivating, harvesting, hauling, and all belt power needs, such as sawing, grinding, silo filling, threshing, pumping, etc.

PROOF:
Jacob Mehler, Hettinger County, N. D., writes: "The **Oil Pull** has proved to be beyond a doubt the best Internal Combustion Engine there is up to date. She is pulling ten 14-inch breakerbottoms with ease. Any one doubting this can come out to my farm 4 1/2 miles N. E. of Mott, N. D. to see for themselves, and seeing is believing." Note: See many other letters of proof in our Free Book. Write today.

Free: We have written a great book for farmers. It tells you what you want to know about the **Oil Pull**. "Tilling and Tilling the Soil" includes the experience of hundreds of **Oil Pull** owners. You must read this great book before you plan a single step for spring work. Write postcard for it now. Also ask about our bureau of information which solves farm power problems for you without charge.

M. Rumely Company
5021 Main St., LaPorte, Ind.
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Bickmore's Gall Cure

The old-time remedy for keeping horses in condition. Don't lose the services of your high-priced horses. Bickmore's Gall Cure cures Galls and Sore Shoulders while the horse works. Approved remedy for Cuts, Wounds, Scratches, Grease Heel. Sold by dealers, money back if it fails. Gray horse trade mark on every box. Sample and valuable 84-page horse book sent on receipt of a stamp for postage.

BICKMORE GALL CURE CO., Box 4320, Old Town, Maine.

Meeting of the Kansas Sheep Breeders

Champions of the Woolly Money Makers
Assemble for Their Annual Conference.

The Kansas Sheep Breeders' and Wool Growers' Association, which was organized two years ago, held a most successful meeting at the Agricultural College in connection with the State Farmers' Institute week. The first number on the program consisted of a drill in the judging of sheep. Those in attendance were taken directly to the barns and yards of the Animal Husbandry Department, where splendid specimens of the various breeds were available for this work. Prof. T. H. R. Wright of the Animal Husbandry Department gave a very interesting discussion of the Hampshire breed, illustrating it with a class of four breeding ewes. The methods of examination in judging sheep were vividly illustrated and the various points of excellence carefully pointed out, after which the ewes were placed in the order of their excellence. A class of Shropshires was next studied, followed by one of Rambouillet. Mr. James Forbes of Columbus, Kan., who has long been a breeder and an admirer of the Shropshire sheep, gave the class some very interesting points. Mr. E. D. King of Burlington, who has had a lifetime experience in the handling of the American Merino and the Rambouillet, gave a most interesting talk on his favorite breed. After an hour of this practical work in the judging of sheep for breeding purposes, those in attendance adjourned to one of the class rooms and were called to order by E. D. King, president of the organization. The first number on the program was a paper on the subject of "Sheep As a Source of Profit," by Mr. L. B. Streeter, Wakefield, Kan. Mr. Streeter is a young man who recently graduated from the Agricultural College, and is putting into practice upon his farm the knowledge there acquired. In the discussion of his subject he showed conclusively how profitable a small flock may become when properly handled. The general discussion following this paper showed the keenest interest in the subject on the part of those present. The next subject, "Getting a Start in Sheep," was presented through a paper by A. R. Snapp of Belleville, another graduate of the Agricultural College, who had gone back to the farm. Mr. Snapp is a firm believer in the sheep as a farm animal, considering them just as necessary as a flock of poultry. The discussion of the general subject of "Finishing Sheep for Market," was opened by V. V. Aiken of Zeandale, a veteran in the sheep feeding business. After once getting Mr. Aiken on the floor and finding how thoroughly he was posted upon the subject, the audience practically turned the meeting into a question box, firing questions at Mr. Aiken from every side. It was necessary for the president to call a halt in order to secure opportunity for the presentation of the sheep feeding experiments at the Agricultural College by Prof. Wright. Mr. Wright gave, in considerable detail, the results of some of the experiment work in finishing sheep for market. The point most strongly brought out by this work was that the use of alfalfa hay, even though very seriously damaged, was far more profitable in finishing sheep for market than the use of prairie hay, even though supplemented by a goodly portion of cottonseed meal. The use of good alfalfa

meal was found to be unprofitable. In other words, the sheep are able to grind their hay far more cheaply than the alfalfa mills. Mr. Wright also presented in outline an experiment now in progress, the purpose of which is to determine the best method of feeding breeding ewes.

When it came to the business meeting, some very important changes in the constitution and by-laws of the organization were presented and discussed. It has been the experience that the multiplying of organizations has oftentimes failed to result in securing any effective work in the promoting of the object in view. The main points brought out in connection with this discussion were along the line of using the machinery of existing organizations as a means of developing interest in the sheep business of Kansas. As a result of this discussion, the clause of the constitution as to membership was so amended as to make every man growing sheep, or interested in the growing of sheep or the producing of wool who becomes a member of a farmers' institute, also a member of the State Sheep Breeders' and Wool Growers' Association. Others who may wish to join the Sheep Breeders' Association may do so by paying the regular membership fee of 25 cents. An additional by-law was added which specifies that the directors of the state association, consisting of president, vice-president and secretary, shall appoint a committee of one in each institute organization in the state to further the interests of the sheep breeders' organization in that locality. This amendment will make it possible to get in direct touch with every progressive sheep man in the state through the machinery of the Farmers' Institute organization. This securing of a larger membership which can be reached by the officers of the Association through the Farmers' Institute organization will make it possible to secure much more effective co-operation among the sheep men of the state than under previous methods of organization.

It is a recognized fact that the sheep men of Kansas need a different kind of dog law than we have at the present time. Such a law failed in passing the last Legislature after passing one house, the only reason being the indifference of the members toward the bill. If the sheep men of the state could have presented a united front, such legislation would have received the careful attention of our legislators.

The following officers were, by unanimous vote, elected for the ensuing year: E. D. King, Burlington, Kan., president; L. B. Streeter, Wakefield, Kan., vice-president; G. C. Wheeler, Animal Husbandry Specialist for the Extension Department, secretary and treasurer.

It is the purpose of the officers elected to take up in a most aggressive manner the matter of unifying the organization. The secretary hopes to have the hearty co-operation of institute officers over the state. In many cases it will be necessary to have recommendation from them as to whom to appoint to represent the sheep interests in the various localities. It is to be hoped that in the near future sheep may become a much more important factor upon the Kansas farm than at the present time.

Good Roads for Rural Population

The cry for good roads is too generally believed to come from and in the interest of the city motorist. The Ford Times, a little paper published by the manufacturers of the Ford automobile, says 90 per cent of the travel throughout the country is done by those who live in the country. Practically, we believe, 95 per cent of all the land which adjoins country roads is owned by the people who live along these roads, and they are the ones who will be benefited in the largest degree by good roads.

pure and simple, in fruit growing, in truck gardening, in poultry raising, in stock raising, as a dairyman—in every branch of farm life, the developments of products are simply marvelous.

This being so * * * why is it necessary that the country population must be "missionized" and a continual pleading be done to open their eyes to the great personal advantages of good roads?

It simply resolves itself down to a personal question with the farmer. Good roads mean the quicker coming and going among neighbors and the necessary business visits to towns and cities.

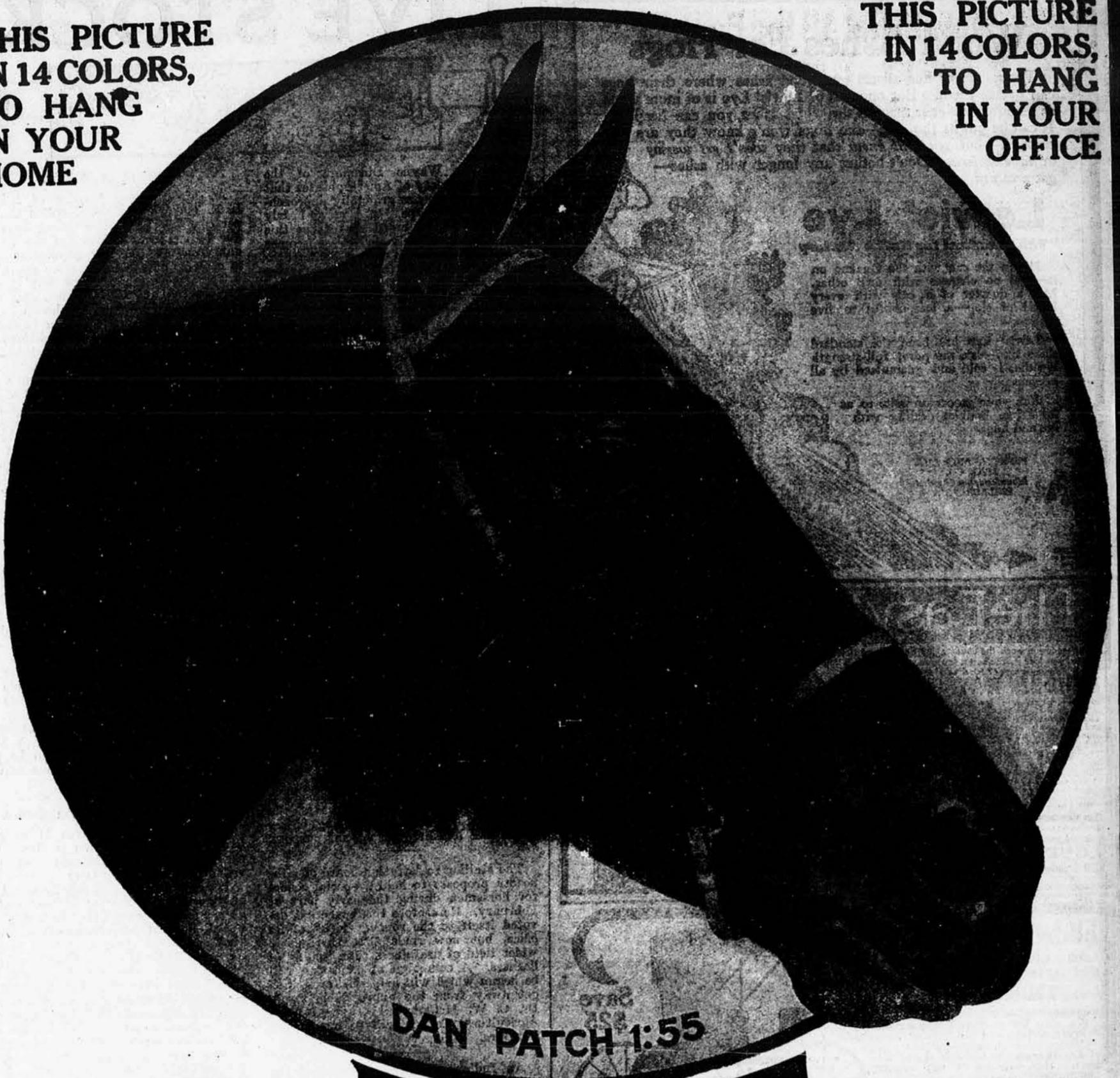
You cannot stop the march of progress unless you close the public schools and stunt the mental development of the coming generations. No, but still more will it demand.

There is no class of humanity to whom time is more valuable than to the farmer. He has before him the continual problem of production; the continual study of increasing the value of his production, whether it be in agriculture,

"Good roads must come. What is the use of waiting for the next generation to build something that will not only be a personal profit, but a personal luxury? If by an expenditure of 25 per cent you can increase the valuation of your property 100 per cent, why not do it now? Why wait for the children and the grandchildren to do it?"

**THIS PICTURE
IN 14 COLORS,
TO HANG
IN YOUR
HOME**

**THIS PICTURE
IN 14 COLORS,
TO HANG
IN YOUR
OFFICE**



For Stockowners

Postage Paid

FREE Beautiful Painting of Dan Patch

Reproduced on Extra Heavy, Fine Enamel Stock and in 14 Perfectly Blended Colors and Shadings by the Marvelous, Newly Invented "Original Colors" Process. Size of picture I will send you is 21 x 25 inches, making a Splendid Picture to Hang in any Home or Office as it is Absolutely Free of Advertising. It will be mailed, postage paid, in an Extra Heavy Mailing Tube to insure safe delivery.

This Splendid Painting of Dan's Head was made From Life and I want to Personally assure you that it is as Natural and Lifelike as if Dan stood right before you, in his Present Splendid, Vigorous, Physical Condition.

This is an Elegant Picture to Hang in the Finest Home or Office. It is an Exact and Perfect Colored reproduction of the Finest Painting ever made of the Sensational and World Famous Champion Stallion, Dan Patch 1:55. I think so much of this painting that I had it Reproduced in a Beautiful Stained Art Glass Window in my Country Home. This picture will be a pleasure for you as long as you live because it shows Dan's true expression of Kindness and his Lovable disposition as natural as life. You cannot buy a picture like this because I Own The Painting and have reserved it Exclusively for this use. Would you like the Finest 14 Color, Horse Picture ever published in the world of the Fastest Harness Horse in all Horse History? People are Perfectly Delighted with this Splendid Picture and are constantly writing me, from all parts of the world, that it is the Finest they have ever seen and thousands of them are hung in fine Homes and Offices. A Splendid, 14 Color Reproduction of Above Painting mailed Absolutely Free, To Farmers or Stockraisers OVER 21 YEARS OF AGE, If You Own Stock and Answer Two questions. Write Me Today, a Postal Card or Letter and Answer These Two Questions: 1st. How Many Head of Each Kind of Live Stock and Poultry do you own? 2nd. In What Paper did you see my offer? Picture will be mailed free but You MUST Be A Stockowner And MUST Answer The Two Questions. DAN PATCH IS THE GREAT WORLD CHAMPION OF ALL CHAMPIONS THAT HAVE EVER LIVED. He has paced more Extremely Fast Miles than all the Combined Miles of all Pacers and Trotters in the world's history.

Do You Expect To See The Day When These Wonderful Dan Patch Records Will Be Even Equalled?

Dan Patch 1:55

1 Mile in	1:55
1 Mile in	1:55 1/4
2 Miles in	1:56
14 Miles Averaging	1:56 1/4
30 Miles Averaging	1:57 1/4
45 Miles Averaging	1:58
73 Miles Averaging	1:59 1/4
120 Miles Averaging	2:02 1/4

Dan Has Broken World's Records 14 Times.
Dan is also the Leading 2:10 Sire of the World for his age. Dan is also the Leading "Dazzle Patch," the Greatest Speed Marvel of the World's History, which Paced a Half-Mile in Fifty-nine Seconds and One-eighth of a Mile in Thirteen Seconds, a 1:04 4 year old trial 2:04. He also has 49 in Official Speed List. Some of Dan's Colts will be Future Champion Trotters as well as Pacers. Why don't You Raise or Buy One?

For over 25 years I have been Guaranteeing that "International Stock Food" as a Tonic purifies the blood, aids digestion and assimilation so that every animal obtains more nutrition from all grain eaten and produces More Nerve Force, More Strength and Endurance. Over Two Million Farmers endorse superior tonic qualities of International Stock Food for Horses, Cattle, Sheep, Hogs. It Saves Grain. Dan Patch 1:55 has eaten it Every Day, mixed with his grain, for over Eight Years, just as you eat the medicinal mustard, pepper, salt, etc., mixed with your own food. Minor Heir 1:58 1/4; George Gano 2:02, Lady Maud C 2:00 1/4 and Hedgewood Boy 2:01, have eaten it Every Day for past Two to Four Years and they have all lowered their very low records during this time which is additional indisputable proof that "International Stock Food" as a Tonic gives more speed and more strength and more endurance because everybody thought these Five Horses had reached their speed limits before I got them. It will also keep your Work Horses fat, sleek and in Extra Strength to do More Work. It Saves Grain.

ASK MY DEALER IN YOUR CITY FOR MY STOCK BOOK.
International Stock Food is a high-class, medicinal, vegetable tonic and is equally good for All Kinds of Live Stock. I feed it every day on my "International Stock Food Farm" of 700 acres to my 200 Stallions, Champions, Brood Mares, Colts, Work Horses, etc. You can test 100 lbs. or 500 lbs. at my risk. Over 200,000 Dealers sell it on a Spot Cash Guarantee to refund money if it ever fails to give paying results. ITS Feeding Cost is only "3 FEEDS for ONE CENT."

ANSWER 2 QUESTIONS FOR THIS SLENDID PICTURE.
I DO NOT BELIEVE YOU WOULD TAKE \$10.00 for the Picture I will send you Free if you could not secure another copy. Write me at once and ANSWER QUESTIONS and the Beautiful Picture is yours FREE. Over Two Million Farmers and Stockowners have written me for a Dan Patch Picture. Address, M. W. SAVAGE, Minneapolis, Minnesota OR, INTERNATIONAL STOCK FOOD CO., Minneapolis.

Wood Ashes For Hogs

Thousands of hog-raisers put wood ashes where their hogs can get at them. But one can of Lewis' Lye is of more value as a hog-conditioner than all the wood ashes you can heap up. It can be put in the slop—the hogs won't know they are eating it—but you will know that they won't get wormy or have cholera. Don't bother any longer with ashes—get a can of

Lewis' Lye

The Standard for Half a Century

It's in the can with the Quaker on it—take no chances with any other. Mix a quarter of a can with every barrel of slop—a teaspoonful to five gallons.

Lewis' Lye has been the standard since 1857—it's the pure, full-strength lye that is sold and guaranteed by all grocers.

Ask your grocer or write to us for a free booklet dealing with lye and hogs.

PENNSYLVANIA SALT MFG. CO.
Manufacturing Chemists
PHILADELPHIA



LIVE STOCK



Secretary Wayne Dinsmore of the Percheron Society of America states that all draft breeds are gradually approaching the ideal type. The more nearly the horse of any breed approaches this type, the more nearly perfect he becomes as a draft animal. Color of hair, feathered legs or docked tails do not matter if the animal is of the right type, and this type applies to all breeds.

If American breeders of draft horses are to increase the popularity of their several breeds, or even sustain that to which they have attained, more attention must be given to breed type. Breed type combined with size should be the aim of both breeders and importers. They should be teachers and leaders. If the importers and breeders do not know what the best type of animal in a particular breed may be, who does?

There is no such thing as an all purpose horse. Many horses are trained to do all kinds of work, and some do it fairly well, but it does not take long to learn that the horse that is suitable for a satisfactory drive into town is much too light to handle the modern machinery of the farm. The horse of sufficient size and weight to do the farm work will make but a sorry figure in the buggy or under the saddle.

That the automobile has put the horse out of business is but partly true. It has put the scrub horse out of business, but good horses were never more in demand and prices were never better. Tractors and engines of various sorts are used more today than ever before, and their value is unquestioned. The up-to-date farm simply must have them, but this will only serve to increase the quality of the horses by using better blood and breeding for special purpose.

The stallion registration board of Minnesota proposes to hold a special school for horsemen during the early part of February. Heretofore this board has devoted itself to the routine duties of its office, but now finds that there is a wider field of usefulness than issuing of licenses. A campaign of education will be begun which will help the farmers to get away from the unprofitable scrub. Dr. C. W. McCampbell of the Kansas Agricultural College will be one of the lecturers.

An Indiana farmer who noticed the report of J. G. Arbutnot's hog feeding operations on his big hog ranch at Cuba, Kan., writes that he prefers to feed slops at all times and to all ages of hogs. Mr. Arbutnot believes that, in his early practice, he killed more pigs with the slop pail than was necessary, and his wonderful success as a hog raiser lends weight to any statement he may make. Our Indiana friend, however, says that without slops the hogs are not likely to get enough water, at least at certain seasons. He says that this is the prevailing opinion of the hog men of his state. He feeds shorts to pigs, oats to shoats, and corn to mature hogs.

While the breeder, as well as the farmer, is a creator of wealth, he must be a merchant as well. What shall it profit a man to raise the best live stock or farm crops on earth if he does not sell his surplus? This he can do only by advertising in some way. People must know what he has to sell or they cannot buy, nor can he sell. Money spent in good advertising is always an investment and never an expense. One of the nicest and cheapest ways to advertise is to have suitably printed letter heads and envelopes. If a breeder, use a good cut of your best animal or of a group of animals. If a farmer, a cut of the farm buildings or of some farm scene would be suitable. When you have good stationery, then have the writing well done. Use a typewriter by preference, or have the correspondence attended to by that member of the family who writes the best hand. Small matters, truly. Yet they pay.

Cholera or Worms.

A Duroc Jersey breeder of Illinois, L. E. Thomas of Golden, states that 90 per cent of the deaths among hogs are due to worms. Worms are much more dangerous to the hog population than is cholera, and is much more prevalent.

These worms hatch and develop very rapidly in hot, dry weather, and it is believed that much of the losses among hogs during the past season is due to the extremely favorable conditions for the development of these intestinal worms and not to hog cholera.

In Kansas there are a lot of men who do not believe that the losses of the past season were due to cholera, and if this is correct, it will serve to explain why so many tests of anti-hog cholera serum have failed. This serum is a preventive of hog cholera, but not of worms, and if the hogs were really afflicted with worms instead of cholera when the serum was administered, there is but little wonder that it failed.

As in most cases of disease, prevention is worth more than any treatment can be, and if the hogs can be prevented from getting the eggs into their stomachs there will be no worms and no loss from this cause.

Cleanliness and dipping are the best means for doing this. Clean drinking water and plenty of range will insure safety if supplied in connection with a regular system of dipping. There are only four places to disinfect—inside the hog, outside the hog, inside the house and outside the house.

Pigs are not born with worms inside them. They get them through their feed or water, and if this can be prevented there will be no worms and no losses.

To the Kansas Stallion Owner.

Another breeding season is near at hand, and your attention is directed to the following requirements and provisions of the stallion law:

1st. No stallion can legally stand for public service in Kansas without a state license issued by the Live Stock Registry Board, and all advertisements of every kind or nature must contain a correct copy of this license (word for word).

2nd. To procure a state license, the owner must have the stallion examined for soundness by an authorized veterinarian. If any owner does not know who the authorized veterinarian for his district is, he should write to the secretary of the Live Stock Registry Board, at Manhattan, for this information. After the stallion has been examined for soundness, the owner must send to the registry board all pedigrees and other papers bearing upon the breeding of the stallion in question, or a certified copy of the same, together with a fee of \$2.00 for issuing the state license, as provided by law.

3rd. Section 6 reads as follows: "The owner of any stallion standing for public service in this state shall post and keep fixed, during the entire breeding season, copies of the license certificate of each stallion, issued under the provisions of this act, in a conspicuous place upon the main door leading in to every stable or building where the said stallion stands for public service."

It is very important that this section be strictly adhered to, that the mare owner may know what kind of a horse he is patronizing, both as to breeding and condition of soundness.

4th. Section 8 reads as follows: "Upon the transfer of the ownership of any stallion enrolled under the provisions of this act, the certificate of enrollment may be transferred by the State Live Stock Registry Board upon submittal of satisfactory proof of such transfer, and upon the payment of a fee of 50 cents."

Parties buying stallions that stood for public service in Kansas last year, should have such transfer of ownership recorded in the books of registry board as required by law.

When such transfer of ownership is made, the new owner should send to the registry board the old state license, and a new one will be issued in the name of the new owner. The law provides a fee of 50 cents for making such transfer.

The Easy Louden Way

The harder you work the Louden Hay Carrier and the heavier you load it, the better it shows up. You can't break it down—years of hard service won't send the

LOUDEN HAY CARRIER

to the repair shop. It lasts a lifetime. Its lock has a square catch and cannot possibly wedge or fail to work. The powerful wheel arms will never spread. All twist and kink are let out of the rope by our simple patented rope swivel, the only successful swivel on the market. Won't bind on the track, has adjustable staves.

The Louden Brinace Grapple Fork is the best fork ever built. Will handle dry clover, alfalfa or thrashed straw where all others fail. The Louden Hay Carrier and Louden Grapple Fork will work in any barn and handle all kinds of hay with more satisfaction than any others. See them at your dealer's—if he does not have them, write us.

Send for catalog of complete barn and cow stable fixtures—Hay Carriers, Door Hangers, Litter and Feed Carriers, Cow Stalls, Cow Stanchions, etc.—also our FREE BOOK on the value of manure and how to care for it.

LOUDEN MACHINERY CO.,
872 Broadway, Fairfield, Iowa.



Elkhart Vehicles and Harness

have a world-wide reputation for high quality and our prices have made them famous.

THIRTY-NINE YEARS'

experience selling to the consumer means success.

We ship for examination, guaranteeing safe delivery, satisfaction and to save you money.

Catalog shows all styles of pleasure vehicles and harness, pony vehicles and harness, spring wagons, delivery wagons and harness.

May we send you large catalog?

We also make the "Pratt-Forty" Automobile.

Elkhart Carriage & Harness Mfg. Company
Elkhart, Indiana



Save \$25

HAPGOOD "Tongueless" 12-16 Disc Harrow \$22.95

The celebrated Budlong-La Dow pattern. Made entirely of iron and steel, with steel weight boxes, heavy standards, and oil holes protected by spring cotters, boxes dust-proof.

We guarantee our disc boxes for two years and will replace them free. We can plow the hardest ground. Impossible for our disc to buckle up in the center.

Our Oscillating Spring Scraper covers the blade, controlled by the foot. Address HAPGOOD FLOW CO., Box 431, ALTON, ILL.

The Only Plow Factory in the World Selling Direct to the Farmer at Wholesale Prices
FACTORY TO FARM NO AGENTS—NO MIDDLEMEN

Disc Harrow \$17.00 12-16 Only

OUR PRICES ARE LOWER THAN ANY FACTORY IN THE U. S.

Our Tongueless Attachment is made of steel and iron. A clear space of 18 inches between the ground and the stub tongue, enables you to straddle a corn ridge.

Our Tongue Attachment for use on side hills or in transporting the machine over hills and rough ground. Can be attached to any make of disc harrow that has a tongue. No neck or side draft—no jerking or pounding of the tongue.

Send for our Big Free Catalog, 1,000 Implements at Wholesale Prices.

MENTION KANSAS FARMER WHEN YOU WRITE.

Save Money on Your Fencing

19c PER ROD FOR 26-in. FENCING.

If you will take the trouble to investigate "SAMPSON FENCE" you will say that we sell the best hog and pasture fence made. Top and bottom wires are 10-gauge hard, smooth, galvanized wire. Middle wires and stays are 12 1/2-gauge heavily galvanized.

"SAMPSON" FENCING—No Better Fence Made

Is guaranteed by us to be full weight and to satisfy in every particular, or no sale. "Sampson" Fence can be had from 20 to 56 inches in height. We are prepared to furnish in small mesh if desired. State your needs and we will be glad to quote you prices. LARGE CATALOG, containing full description sent FREE. Write for it today.

JONES, POST & CO. [THE HOUSE THAT SAVES YOU MONEY] 637 Liberty St. KANSAS CITY, MO.





Try This Experiment.

Take a piece of well dressed wood, brush on a coat of CAMPBELL'S VARNISH STAIN, when dry place it in your oven until heated, remove from the oven and thrust it in the refrigerator, leave until thoroughly cold, then look at it. You will find the natural grain of the wood apparent through a perfectly smooth glossy varnished surface, undisturbed by this strenuous experiment.

Purchase a can of CAMPBELL'S VARNISH STAIN today and help beautify your home. "There's nothing like it." For sale at all Paint and Hardware Stores.

NOTICE.

If your dealer has not yet put in our line, send us \$5.00, and your dealer's name, and we will send you a large 25c. can of CAMPBELL'S VARNISH STAIN (any of 15 colors) including FREE a good brush with which to apply same. State plainly what color desired.

CARPENTER-MORTON CO., BOSTON Sole Manufacturers.



Put a Cushman Engine Binder

Operates at 30c to 50c a day. Saves horse flesh. All horses do is draw the binder. Always ample power, weighs under 200 lbs. This is an all-purpose engine for any work from 1 to 6 h. p., as well as being the original binder engine. Consumes gasoline according to work done. Send for free book. CUSHMAN MOTOR WORKS 2048 N St., Lincoln, Neb.

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. LIGHTTEST RUNNING (Our circular tells why.) HANDY TO OPERATE 10 sizes 2 to 25 h. p. Capacity 6 to 200 Bushels. We Also Make Sweep Grinders FREE Booklet on "Value of Feeds and Manures." C.N.P. Bowsheer Co. South Bend Ind

FEEED MILLS

MIDDLEDITCH

Give most power with least expense for fuel. Run on common coal oil, gasoline, distillate, or alcohol. Simplest—safest—most durable—easiest to start—smoothest running. Ask about our 30 days' Genuine Free Trial. Most liberal trial proposition ever made. If you are not perfectly satisfied, you pay nothing. Our new 1912 model now ready for delivery. Write for introductory prices. They will surprise you. THE MIDDLEDITCH ENGINE COMPANY 75 Meldrum Avenue, Detroit, Mich.

KEROSENE ENGINES

5 TO 20 CENTS A ROD

Less than you thought for the fence of your choice. 11 CENTS A ROD UP. Let us mail you our big handsome four color fence Catalogue which illustrates 78 styles of fence and 64 styles of gates. ALL SOLD ON 30 DAYS FREE TRIAL. Send for our big Free Catalogue today. OTTAWA MFG CO. 603 KING ST. OTTAWA, KS.

Wanted Farmer or Farmer's Son with rig in every County to introduce and sell family and Veterinary Remedies, Extracts and Spices. Fine pay. One man made \$90 one week. We mean business and want a man in your County. Write us. SHORES-MUELLER CO., Dep' 64 Tripoli, Iowa

5th. Section 10 reads as follows: "Any stallion standing for public service that is not a pure-bred and registered horse, must have conspicuously posted on the door of the stall in which he is kept, and in black type not less than one inch in height, a statement that such stallion is a grade or a cross-bred, as the case may be."

Owners of grade stallions should bear this in mind and act accordingly.

6th. Stallions that have once been examined and licensed, do not have to be re-examined and re-licensed again this year.

The spirit of the law is that every owner shall advertise his stallion for exactly what it is. Stallion owners have had time to familiarize themselves with the provisions of this law, and are expected to comply with the same.

The registry board is always ready and glad to render every possible assistance and service to the horsemen of Kansas.—DR. C. W. McCAMPBELL, Secretary Live Stock Registry Board, Manhattan, Kan.

Where Shall Royal Go?

Breeders, exhibitors and cattlemen who are familiar with the American Royal Live Stock Show, its purposes and workings, are invited to offer suggestions and comments to the committee on location. Action will be taken soon on a permanent home for the American Royal show.

This committee is carefully considering five propositions and invite this help from the outside in order that they may decide on the location that, while serving the interests of exhibitors, will also serve to attract the present liberal support given it by the live stock men of the corn belt and the southwest, says the Telegram.

According to official notice served the board of directors of the American Royal during the last show, the Kansas City Stock Yards Company feels that it can no longer accommodate the show and protect its sheep market interests; and for that reason have asked the organization to seek a new location. There are four propositions now under consideration and it is on these that the board is asking suggestions. In every case, the Royal would have to provide more or less equipment. The propositions are:

A site across the Missouri river, in Clay county, opposite Kansas City. No buildings at present on the property.

The Elm Ridge race track property, which now has a good race track and grand stand, and a few temporary buildings. New stabling and a pavilion will be required here. About an hour is required to reach the grounds from the stock yards or down town.

Electric park, where entire new equipment of stalls and a show pavilion will have to be supplied. About 30 minutes from stock yards.

Overland park, located on the Strang Electric line from Kansas City to Olathe, about 50 minutes from the yards or down town. Promoters promise double track car line and ample car service. Offer 80-acre site for eight years, with privilege to purchase within that time. Entire equipment is necessary here, also.

The board has also received a proposition from the stock yards company at St. Joseph.

Ventilate Your Stables.

Moisture and the absence of the great purifier, oxygen, and frequently the absence of the other great purifier, sunshine, are the ideal conditions for the development of disease germs, and especially tuberculosis. The chances for cows resisting the development of these germs in their bodies is also at a low ebb because of the reduced oxygen supply and resulting low vitality. One method that has been found to work is to make one or two large flues extending from near the floor to the roof. These act as chimneys to draw the colder air off from the floor. This air is probably worse than that nearer the ceiling, and certainly takes with it less heat. The fresh air is brought from the outside near the foundation, up between the studs, and discharged into the barn near the ceiling. This plan prevents drafts, as the cool air settles slowly, and also tends to prevent a reversal of the air currents. Use many small intakes and very few large outtake and make the area of each such that an allowance of 28 square inches per cow is to be had. Dampers may be placed in both intakes and outtakes for control of ventilation during windy weather.

Human beings are given the "open air" treatment for tuberculosis. The oxygen supply and the resulting increased vigor enables the human to overcome the disease.

Why not give our cows a little of the "open air treatment," not to cure them, but to keep them healthy, and thus render safe their milk for human use?

The amount of air needed per animal for cows is estimated at 3,500 cubic feet per hour, or nearly nine changes of air per hour. This amount of fresh air allows for the breathing of 3 1/2 per cent of air once breathed. This is a common accepted standard. The moving of this much air through a stable without drafts and with as little loss of heat as possible is the ventilation problem.

The flue system works well in warmly constructed stables tightly closed. When windows and doors are open, dependence for ventilation must be placed on them entirely, as the flues will not work satisfactorily then. Another plan is to depend on windows. The windows are hinged at the bottom and tip in at the top between cheeks. The incoming air is then directed upwards, avoiding drafts. The "force" causing ventilation is the wind, and the windows have to be adjusted accordingly.

The first is known as the King system, the latter as the Sherringham valve windows. Both work, though the former is more popular. Both give the cow a little of the "fresh air treatment."

The Balanced Ration.

Feeds are divided into two great classes—those that are concerned with growth and are used to build up muscular tissue, and those that are used to produce heat and energy and are the principal sources of animal fat. The former are called nitrogenous feeds, the latter carbohydrate feeds. Examples of the former are soy bean meal, oil meal, bran, shorts, alfalfa, clover and other legume hays, tankage, field peas, cotton seed meal, etc. Carbohydrate feeds include corn, wheat, barley, rye, root crops, silage, straw, etc. Oats are more nearly nitrogenous.

Animals differ widely as to the kind of feeds they can use to best advantage, says Prof. E. J. Iddings. Young and growing animals need to build bone, muscle and tissue, and therefore require a rather high proportion of digestible nitrogen. Fattening animals have to a great degree accomplished the necessary growth of bone and flesh and are ready to utilize feed adapted to the storage of fat. Carbohydrate feeds are better suited to this purpose. Dairy cows require feed for maintenance of the body functions and for supplying the fat and nitrogenous matter found in the milk. In addition to grains and pasture, hogs need supplementary feeds such as charcoal, wood ashes, tankage, etc.

In short, a feed must be fitted or adapted to the needs of the animal. When a ration is so fitted or adapted it is called "balanced." A man feeding corn alone to growing pigs is not feeding economically. The young pig cannot use to advantage a ration so strongly carbohydrate and will of necessity fail to develop fully in vigor and strength of bone and muscle. The horseman who feeds alfalfa hay, and alfalfa alone, to his brood mare is feeding too high a proportion of nitrogen. To handle and eliminate through the kidneys this unusually large quantity of nitrogen is too severe a tax on a pregnant mare, and is liable to result in the foaling of a defective colt. The brood mare needs a variety or balanced ration. In the same way the steer, the sheep, the brood sow, and in fact all classes of animals require rations adapted or balanced to their needs.

A pig five months old requires one pound of digestible nitrogenous feed to five pounds of digestible carbohydrates. A ration can be so balanced by using two pounds of shorts, one pound of corn, three-fourths pound of barley, and one-fourth pound of tankage. A pure-bred Poland China farrow so fed on the University farm weighs 265 pounds at seven months.

A 1,000-pound dairy cow requires seven-tenths pound of digestible protein, seven pounds of digestible carbohydrates, and one-tenth pound of digestible fat for maintenance. When producing 25 pounds of 3 per cent milk she needs in addition to her maintenance requirements one pound of digestible protein, four and three-fourths pounds of digestible carbohydrates and four-tenths pound digestible fat for sustaining the milk flow. This result can be accomplished by compounding a ration of four pounds of ground corn, three pounds of rolled barley, seven pounds of alfalfa hay, and 31 pounds of corn silage.

By similar processes balanced rations can be calculated for other classes of animals.

Kendall's Spavin Cure The Old Reliable Horse Remedy THOUSANDS of farmers and horsemen have saved money by using Kendall's Spavin Cure for Spavins, Curb, Ringbone, Splint, Bony Growths and Lameness from many other causes. These men know that Kendall's is a money saver and a horse saver. We can prove it by thousands of Grateful Letters From Users. Read the letter shown below from Mr. Reak. We have hundreds of other letters to prove everything we say about Kendall's Spavin Cure. Let us send you some other letters. But in the meantime get a bottle from your druggist. Fear this advertisement out now to remind you to get Kendall's Spavin Cure. Price \$1.00 per bottle or 6 bottles for \$5.00. Get our valuable book "Treatise on the Horse"—Free at your druggist or write to us. DR. B. J. KENDALL COMPANY Keosauqua Falls, Vermont, U.S.A.

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\$10.00 Sweep Feed Grinder | \$14.00 Galvanized Steel Wind Mill. We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list. CURRIE WIND MILL CO., Seventh St., Topeka, Kansas

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If you have an old cream separator of any make that is out of repair, hard to run or will not run at all, we will take it off your hands as part payment for a brand new 1912 model Economy Chief. Furthermore, we will make you a good liberal and fair proposition.

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Our book is more than a catalog. It contains information of great importance to every farmer and dairyman. Write us a postal card for it today.

We will be glad to arrange any kind of trial you want on any size Great Western. If a personal trial in your own home doesn't prove to you all we claim, you don't pay a cent. We know it will and you will be glad of the day you wrote us. Do it now while you think of it.

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3 Special Propositions That Save You Money
Besides giving you the best silo I am ready to make you the best proposition ever offered you.
Proposition No. 1 is for the man who wants only one silo.
Proposition No. 2 for the man who wants silo and cutter.
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Now is the time to get busy. Write me which proposition you are interested in. I will do the rest.

Is Made For You and Other Western Farmers.

Fills every requirement better than any silo made. Last year it was ahead of all; this year again it leads with modern improvements. Has interlocking steel frame, redwood, non-shrinking, non-swelling doors, one piece latch, round steel anchors and many other important improvements not found on others.

Write for Free Catalog.

I have my new one all ready to send you. It's full of valuable silo and feeding facts. It tells different ways of feeding ensilage. It tells all about the Champion and guarantee silo. Address Ketter J. Bell, Mgr., Western Silo Co., 135 11th St., Des Moines, Iowa. Successors to Silo Dept., Farmers Co-operative Produce Co.

GET A SQUARE DEAL

Ship to Oldest House in New York.

Send for Price List.

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OTTO WAGNER, 138 West 26th Street, New York City. Established 1876.

DAIRY



It is time to figure on next year's provision for the milk cow. A silo, if possible, should be arranged for. A patch of alfalfa should be seeded. These will not only take care of the cow in good shape, but will winter all the stock of the farm in better shape and cheaper than you have ever before done.

We need the best cow we can get. We should be improving our dairy herd a little each year. This can be done with little effort and small expense. But, our feeding system is miserably poor, and our first effort should be in its improvement. A better plan of feeding will double the profit realized from our present cows. With better cows and a silo and alfalfa hay the present profit will be a drop in the bucket in comparison.

The annual meeting of the Nebraska Dairyman's Association was held at Lincoln, Neb., last week. The editor has attended state meetings of dairymen in most of the states of the Middle West, but Nebraska surpasses all. The attendance of farmers is large in Nebraska, and the interest shown and the part taken by them in the discussion is evidence that the Nebraska farm dairyman is wide awake.

A subscriber is worried because his best cow has exceeded the usual nine months gestation period three weeks. It is possible that subscriber is mistaken in the date of service. He need not be alarmed so long as the cow is getting along well. Nine months is considered the gestation period, but such period is known to have been as short as 240 days and as long as 311 days. The average period is 283 days.

A good cow will make more money than any other farm animal, and the money so realized does the farmer more good than that realized from any other animal. Cream sells for cash in Kansas. The cow eats today, and tomorrow her milk, cream or butter sells for money. The hen cashes her feed in the same way and she, as well as the cow, deserves the respect and good care of every farmer.

A Western Kansas farm dairyman asks how soy bean hay compares with alfalfa hay in feeding value. The two hays have about equal value, as shown by this analysis giving the amount of digestible nutrients in 100 pounds of each: Alfalfa, 11 pounds protein, 39 pounds carbohydrates, 6 pounds fat. Soy beans, 10 pounds protein, 41 pounds carbohydrates and 1 pound fat. The soy bean has nitrogen gathering nodules on the roots, as has the alfalfa plant.

Nebraska farmers are going after dairy bred cattle. The editor attended a Holstein auction sale at Lincoln last week and in this sale 150 head of pure-bred Holstein animals—males and females, young and old—were sold to farm dairymen, prices running as high as \$600 for a choice bull. The animals sold were registered and data regarding the production of each cow in milk was given, and added much to the selling price.

The wonderful Guernsey cow, Dolly Dimple, recently gave birth to a bull calf. M. H. Tichenor of Wisconsin was the successful bidder for this calf, paying the sum of \$6,000 for him. He is to be delivered when 6 months old. That is some money for a 6-months-old bull. But note that his mother is the world's greatest Guernsey. When Dolly Dimple was a young cow she was sold for a song, almost, because her owner had never weighed or tested her milk, and so did not know her real value.

Suspicion and doubt are at all times rampant throughout the land. These do more to delay progress than any other things we know. But progress is made. Ten years ago farmers were afraid to buy cream separators because they had heard from somewhere, somehow, that separator skim milk would

kill calves. They were afraid to tackle the separator and sell cream. Today such a report would be scoffed. The skim milk calf is the cheapest calf ever grown on the farms of Kansas. He will become more and more a factor in the beef supply until, finally, he will be the whole show. The beef of the future will be the skim milk calf of the farm.

In localities in which silos were last year bought by farmers the cream receipts have this winter been heavier than ever before. A man writes that with 35 to 40 pounds of silage per day and the cows running to a rack of alfalfa hay, his cows are milking on pasture. He says the cows are eating small quantities of alfalfa. Tests have shown that with such quantity of silage, cows will eat not more than 10 pounds of hay per day. The silo is a big thing for the dairy farmer.

The future of many a promising cow has been ruined by improper milking soon after calving. The dairy cow has been abnormally developed to produce large quantities of milk, consequently certain of her organs, such as the mammary glands, have become greatly enlarged and weakened just before and after calving, due probably to the secreting of large quantities of milk. The art, or science, whichever we may call it, of milking can only be attained by those who are willing to make a study of each individual cow, of her disposition, dairy temperament and physical condition.

The most important thing about a barn is light. There you have it right off the reel. Light and plenty of it. You can't have too much, if you would have good, healthy cows. Light, air and sunshine is God's own remedy for any old bacteria that may be hanging around. Dark, dirty and ill-ventilated cow barns are ideal breeding places for tubercle germs. Another reason for a light barn is that you may be able to see to clean it out thoroughly. Many barns are so dark that it is never known whether they are cleaned or only half cleaned. Don't put off putting more windows in the barn till next spring. Do it now. Be sure to have good and free ventilation in your barn but not drafts.

The dairy division of the United States Department of Agriculture has established in 20 states a total of 85 testing associations, comprising 45,000 cows. The records of one of these associations show that the profit was doubled after four years' work. For instance, a man with eight cows found, the first month of keeping records, that he was losing 5½ cents per cow, or 44 cents on his herd for that month. After three months' testing he was making a profit of \$32 a month on the herd, and at the end of the year his profit had increased to \$50 a month. This notable increase was due largely to the sale of five of his poorest cows and the purchase of as many well-producing ones to take their places. In addition there were changes made in the method of feeding, which conduced to the result.

R. J. Linscott, a Kansas Jersey breeder and KANSAS FARMER advertiser, is persistently testing his herd and writes: "Our sales this past year were in number somewhat below that of the year before, but were above the average. In price they were the highest we have averaged for several years. Amongst our sales in 1911 were two head to the Kansas State Agricultural College and 10 head, including a bull, to the Oklahoma Institution for Feeble Minder. We have 20 head on a year's authenticated test, and will keep at it until every cow in milk in the herd is a Register of Merit cow. The average estimated butter production for the entire herd was 423½ pounds. The Jersey industry was never as prosperous in Kansas as it is now." The breeder knows the value of testing. It increases the value of his stock. Testing will do as much for the farm dairyman, and besides will locate the cow he cannot, under any condition, afford to keep.



Try
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Milkers

Don't condemn the "poor milker" until you are sure she is in good health. Hundreds of unprofitable cows have been made valuable by the use of KOW-KURE, the great cow remedy. KOW-KURE is not a "stock food" it is a specific medicine for the treatment of all ailments peculiar to cows. It is the only medicine in the world for cows only, and thousands of healthy and profitable herds prove its value as a cure and preventive of disease.

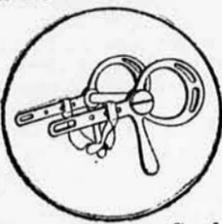
KOW-KURE is a positive cure for LOST APPETITE, BARRENNESS, ABORTION, SCOURS, MILK FEVER and all other affections that destroy the health of cows. KOW-KURE will put your cows back in a healthy, normal condition, make them give more milk, make richer butter and require less care.

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and furnish rig and all expenses to introduce our guaranteed stock and poultry powders; money-back guarantee outfit free; new plant; steady work. Address BIGLER CO., X 674, SPRINGFIELD, ILLINOIS

A great deal has been written about farmers of a neighborhood buying a bull in company. This plan is especially important in the improvement of the dairy stock. Five farmers can buy a \$250 bull—that money will get a top-notch—and scarcely feel the expense. Such bull will be worth \$1,000 during the time he can be used to five farmers, each milking ten cows. One reason for the slow progress in dairy herd improvement is the feeling of every farmer that he must have his own bull, which results in the keeping of a lot of scrubs at an expense which is far from economy. The scrub bull is about as useless as is the cur dog. Talk this plan among your neighbors and the chances are they can be induced to join you. In other states this plan has been used to excellent results.

Holstein Breeders' Information.

Answering L. C. H., Navarre, Kan., the Holstein-Friesian Register, published at Brattleboro, Vt., is the official organ of the Holstein Breeders' Association. F. L. Houghton, same town, is the secretary. If you are a breeder of Holstein or intend to be a breeder you should have the paper and get on the secretary's mailing list.

Barley for the Silo.

A Brewster (Kan.) subscriber wants to know if barley will make silage, saying that in his section, corn—either Kafir or Indian—is an uncertain crop, but that barley can be produced every year.

This editor has no experience in using barley for silage, but we find this in a California paper: "Barley can be used for silage and California dairymen have had good success with it. The barley should be cut while it is fairly green, so as to avoid hardness in the stem, as this prevents settling so as to exclude the air."

Milk From Tuberculosis Cows.

Advise whether tuberculosis in cows is contagious and whether a cow affected with it is all right to nurse calves from other cows if the cows are affected?

A Colorado authority answers: Tuberculosis is infectious among cattle. Calves may sometimes be nursed upon infected cows without contracting the disease, but it is a risky process and all the calves which you intend to raise should be fed upon milk from healthy cows. Ordinarily, unless the disease is advanced, the bacteria of the disease will not appear in large numbers in the milk, but cannot say with regard to a particular cow whether the milk is infected or not infected.

Calves are born free from tuberculosis in all cases and if you keep them from coming in contact with cattle having the disease, put them in clean quarters, and feed them upon healthy milk, there is no reason why they should contract the disease any more than calves from healthy cows, except that there may be inherited weakness, rendering such calves more susceptible to attacks by the disease.

The census reports show that the value of Kansas live stock is 12.4 per cent of the total valuation of all farm property. The average value of all Kansas farms is \$11,467, as compared with \$4,992 ten years ago. The average value of the live stock on Kansas farms is \$1,426, and the value of implements and machinery is \$272. Thirty-seven per cent of Kansas farms are operated by tenants.

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the INTERLOCKING Style of
UNITED STATES CREAM SEPARATOR
with older models.



The U. S. Interlocking Cream Separator represents the highest attainment in cream separator construction and possesses every essential separator requirement in the highest known degree.

Here are some of its special advantages.

1. It has about half the bowl diameter of older models.
 2. It intensifies the centrifugal force and prolongs the path the milk must travel.
 3. It gives practically double the skimming surface and does about twice the work of older models.
 4. It keeps the milk and cream entirely apart and affords a protected path for the cream.
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 6. It is easiest and quickest washed by the same centrifugal force which skimmed the milk.
 7. It skims cleanest. For clean skimming the U. S. holds the World's Record.
- We do not ask you to accept the above statements as final. All we ask is that you give us the opportunity to prove them.

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Distributing Warehouses in every dairy section of the country.

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The wealthiest, most particular and discriminating people on earth use the dining-car service of the great New York Central R. R., and that is why Tubular-made cream alone is served and satisfies the management of that R. R. It costs them more money, and Mr. Geo. H. Sweet's dairy at East Aurora, N.Y., with a Tubular at the head of it, gets the benefit in big profits. The Canadian Pacific R. R., with its ocean-to-ocean trains, gets Tubular cream for its dining cars from Mr. J. McFadyen, Park-beg, Sask., and both the R. R. Co. and Mr. McFadyen profit from velvety Tubular cream.

THE SHARPLES Tubular Cream Separators
MAKE GREATEST PROFITS

for the keenest, best informed dairymen everywhere. They know they must have Tubulars to get perfect cream and to get it all. Disk-filled or otherwise complicated separators lose cream, spoil its quality and give what is termed a "metallic" or "disky" flavor to it.

Dairy Tubulars contain no disks or other contraptions and produce velvety cream of perfect flavor which brings fancy prices. Tubulars have twice the skimming force of others, skim twice as clean, wear longer and run easier. If it's not a Sharples it's not a Tubular, and you are not getting all the profit. Write for Catalog 165

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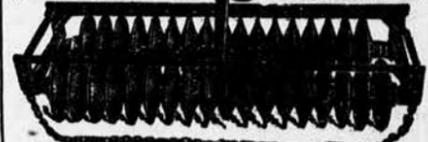
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For 34 years the "World's Standard"
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All Leading Varieties of
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We co-operate with the leading breeders of Kansas.

One of the best collections in the country. We can sell you the best birds at the lowest prices. We don't know of anyone that is better fitted to fix you out with a male bird for your spring pens than we. Let us know what you are in need of and we will quote prices. We are particularly strong in the following breeds: **BUFF ROCKS, BARRED ROCKS, WHITE ROCKS, WHITE ORPINGTONS, BUFF ORPINGTONS, SINGLE COMB R. I. REDS, ROSE COMB R. I. REDS, BROWN LEGHORNS, BUFF LEGHORNS, BLACK MINORCAS, LIGHT BRAHMAS. OTHER VARIETIES ON SHORT NOTICE. EGGS AND BABY CHICKS.**

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We can furnish Plymouth Rocks, Rhode Island Reds, Orpingtons, Wyandottes, Brahmans, Cochins, Minorcas, Hamburgs, Leghorns, Langshans—in fact we can start you in any breed you wish. If you want to secure eggs for hatching this spring, write us at once for our plan of how to secure them without spending a cent of your own money. This plan is so simple that the success of any boy or girl interested in securing a start in pure-bred poultry is certain. Write us at once, stating your wants in full, and you will get a prompt reply. Address **FREE POULTRY DEPARTMENT, P. O. Box 368, Topeka, Kan.** References, German-American State Bank, Topeka, Kan.

Interesting Poultry Experiences

Successful Buff Wyandotte Breeder Gives Very Important and Timely Information

By **PROF. G. C. WHEELER, K. S. A. C.**

My interest in pure-bred poultry dates back to my boyhood days. My earliest recollections of farm life are those associated with the care of the hens and little chickens. Later, I assisted in showing pure-bred Barred Plymouth Rocks at our county fairs, where we were winners of most of the first premiums for several years. Although many of the farmers at that time did not appreciate the great value of pure-bred poultry, our stock was greatly admired and a goodly number secured stock from us for improving their farm flocks.

After leaving the farm to attend college, circumstances were such that for a number of years I could not have a flock of fowls of my own. I never lost my interest in good poultry, however, and attended all the great shows possible, including that of Boston for two years.

After settling in Manhattan in 1902 circumstances were such that I could again get into the ring as an owner and breeder of pure-bred poultry. I had long been an admirer of the Wyandottes. Their low, plump, compact bodies appealed to me from the utility standpoint as market and table fowls. As a fancier, the combination of graceful curves of outline possessed in such a high degree by all the varieties of this breed when in full feather appealed to me, and as an opportunity came at this time to secure some high-class stock of the Buff Wyandotte variety at very reasonable prices, I again became a full-fledged "chicken man." From that time on I have never had cause to regret my choice of breed. The rich golden buff is a beautiful color and with the great difficulty in securing just the ideal in coloring, combined with proper form and utility characters, enough zest is introduced into the breeding and mating of the birds to satisfy the most ardent fancier. As table birds, we have become so attached to them that we think nothing can quite compare with a plump Wyandotte, especially when roasted in a fireless cooker and coming to the table with that same rich golden color so much admired in the live fowl. They have been great successes as winter layers, their extremely heavy body feathering seeming to make them immune to cold, and if given any sort of care at all they will return full value for all feed consumed.

Several years ago an egg laying contest was conducted at the Kansas Experiment Station, in which six of our pullets were entered. This contest extended from November 1 of that year to November 1 of the following year, and but for the fact that we were so unfortunate as to have selected one pullet having some malformation of the egg-producing organs, so that no eggs at all were produced, this pen would have stood second in this contest. As it was, the five laying pullets of the pen produced enough eggs to beat a number of pens having a full quota of layers. We have always had eggs enough for our table use and have had eggs to sell every winter when prices were highest.

There is no doubt in my mind but that the income from farm poultry in Kansas could easily be doubled if more attention were given to the use of better stock. Investigations at any market center where poultry is bought and dressed and prepared for consumption, will reveal the great inferiority of the stock now being produced. In spite of this marked inferiority, which necessarily means lower prices, the aggregate

value of poultry products sold exceeds that of butter. If some account could be made of the large amount of poultry products consumed on the farm, this aggregate value would be much greater.

It is customary for the farmer to regard poultry as one of the small things of the farm and unworthy of his attention. As a result, this large production of wealth from growing poultry which the statistics reveal is largely due to the efforts of the women and children, in many cases struggling along with exceedingly meager equipment and scant encouragement. The town producer of poultry must face higher cost of production, since all feed outside table waste must be purchased at retail prices.

All my experience since beginning with the Buff Wyandottes has been under town conditions. We have grown from 200 to 400 chickens annually, selling all the stock unfit to go into breeding pens on the market. We have not advertised in any special poultry paper, selling all surplus breeding stock through the medium of advertisement in our Kansas farm papers. We have sold eggs for hatching all around our home locality and to some extent over the state.

The sale of baby chicks has appealed to us as a more satisfactory method of distributing stock than shipping eggs. They can be shipped with greater safety than eggs and all disqualifications, such as single comb in rose combed birds, or feathered or downy shanks in clean legged varieties can be detected and culled out. Our first year's experience in selling the baby chicks was so satisfactory all around that we intend to continue this method of selling stock.

We use incubators for hatching, mainly because our hens do not set early enough, and we find the work of hatching with hens is much greater than where the machines are used. Where large numbers of chickens are hatched with machines the greatest difficulty to overcome is that of crowding the chicks too much in the brooders and colony houses. In my judgment, more inferior, poorly developed chicks result from overcrowding than from any one single cause. The beginner with incubators is especially prone to this mistake since, by using good, strong eggs and following directions closely, even the novice can hatch a large per cent of chicks. Ample provision should be made for brooding, and especially for giving much more room after the chicks are a couple of weeks old. It has been our practice to set hens at the same time the machines are started so as to use hens as well as brooders. We have taken two or three eggs about to hatch and placed them under broody hens, so as to have extra hens willing to take charge of a bunch of chickens.

Success with poultry is a matter of details. Many a man who has found a small flock a great source of profit in proportion to the investment in capital and labor, has wondered why he could not make the same rate of profit on a flock of 1,000. Very few people should attempt to take up poultry as a sole business, but as a branch of the business of farming it is certainly worthy of a great deal more attention than the average farmer is now giving to it. My advice to those growing poultry is to first secure good, pure-bred stock of some breed suited to your fancy and conditions and then at least give them as good care and attention as is given to other live stock of the farm.

Building Poultry Houses For Results

My poultry houses are made 10 feet square and 6 feet high at the eaves. They have gabled roofs, shingled. The gable roof gives plenty of room for a half window in each end, which makes the house look neat and attractive. These houses are made out of shiplap lumber and are well painted. The north side is made solid. The south side has a door, and an opening 4x6 feet to give plenty of sunlight and fresh air. This opening has a cloth door that can be dropped in cold weather. The cloth admits light which, with the light from the windows, make the house light and nice for the fowls. The lower part of the south side is boarded up two feet

high to prevent draught from striking the chickens.

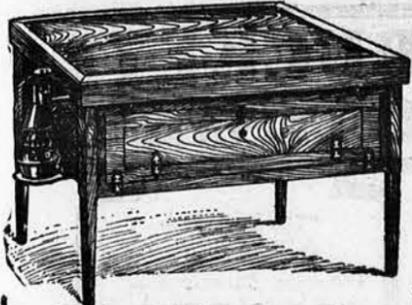
I use wire nests tacked to the wall about two feet above the floor. The roosts are placed over a platform along the north side. By using the platform the chickens have the benefit of all the floor space for a scratching room. The floor is always kept covered with about six inches of straw, into which the grain feed is scattered. This gives the chickens plenty of exercise and a warm place to scratch in when the weather is cold.

These houses can be put up for \$20 each if you do the work yourself, or for \$25 if you hire the work done.—**A. H. VANDERHOFF, Neodesha, Kan.**

Breeder of **Barred Plymouth Rocks** Exclusively

Deep and Evenly Barred
Let me furnish you a pen either mating and start you right. Eggs in season.

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The Columbian Wyandottes

By H. A. WATTLES, Wichita, Kansas

I prefer the Columbian Wyandotte over all other breeds because, in over 40 years' experience with some of the best known and most valued breeds of poultry, I believe from a practical standpoint this great variety of the Wyandotte family combines more good points than any other breed that has ever been brought before the public. Combining, as it does, the blood of two of the greatest fowls in the world, giving us the early maturing, splendid laying, fine table and broiling qualities of the White Wyandotte with the vigor, hardiness and winter laying qualities of the aristocratic Light Brahma, with its beauty of plumage, we have in the Columbian Wyandotte the qualities most desired by the practical poultryman who must unite in one fowl the greatest number of good points with the fewest drawbacks.

This has been accomplished, I honestly believe, in this latest variety of the Wyandottes, which unites the beautiful shape, rose comb and clean legs of the Wyandotte with the handsome color and markings of the Light Brahma. From five years' experience with them I have convinced myself they are the best all-purpose fowl, from every standpoint, that I have ever seen, and their great popularity in the East is shown by the increasing number of breeders who have discarded varieties they have handled for years, in order to breed Columbians exclusively, the large exhibits at all the great shows, the powerful Columbian Wyandotte Club composed of enthusiastic breeders, all showing that this bird is fast forging to the front rank, and will soon be the most popular fowl in the world.

At the present time I am raising about 200 per year, working to see not how many, but how good, I can get them.

My sales are now reaching nearly every state in the Union, which evidences how widespread the interest is in this comparatively new breed. I am, and always have been, of the opinion that no scrub stock, whether it be horses, cattle, sheep, hogs or poultry, can, or ever will pay the profit on the farm or anywhere else that good, pure, well bred stock will pay. Well bred poultry of any breed will always lay more eggs and bring a better price for the table than scrubby, mixed up, all sizes and colored fowls will, and the pleasure and satisfaction of having a fine flock of some one breed is, in itself, a source of pleasure and profit to the owner.

I also believe that the poultry feature on the farm, taking into consideration the amount of capital, time and labor involved, will pay far larger dividends than any other form of stock raising.

The simpler the poultry house, the better. The house built in shed form

of good 12-inch boards, built about 5 feet high in the rear and 8 in the front and covered with Rubberoid roofing, with half open front, to admit plenty of light and air and shut out drafts, with a dropping board under the roosts, which should always be placed level, of 2x4, with narrow edge up and corners rounded off, I have found the most satisfactory. A good cement floor, well covered with leaves or clean straw, will also add to the comfort of the birds and render the house easily cleaned. I feed corn, oats, Kafir and wheat, and keep the birds plentifully supplied with good, fresh, clean water at all times, and boxes well filled with grit, oyster shell and cracked bone. Then all the green food that can be obtained, whether it be cabbage, turnips or potatoe and apple parings in winter, with whatever green food in summer that can be furnished.

Lice on setting hens can be best disposed of by dusting with a good insect powder. Little chicks should have a drop of fresh lard rubbed on back of head, under throat and under each wing, but only a drop.

A small amount of grease rubbed under each wing of the mother hen and around the vent is an easy way to keep lice from annoying chicks when they have become a little larger and stronger. Lice and mites in hen house can be exterminated and kept out by spraying house and painting roosts and nest boxes with some good liquid lice killer.

Roup is caused by sudden changes in the weather, the birds getting wet and chilled and drafts in hen houses, and always starts with a cold. Roosting on the ground or exposed to chilling rains, or damp hen houses will always cause this disease. Prevention is the best cure by keeping them clean and dry and free from drafts.

If well cared for, your birds will be free from disease. Kansas poultry shows are proving the greatest educators I know of to educate and advance the interest in pure-bred poultry, and their value cannot be overestimated.

My show record, extending over 25 years, indicates the value I place upon them.

I use both incubators and brooders, as well as hens. Incubators I use when I have large numbers of eggs accumulating that I wish to set at one time, and at a period when my hens do not wish to set. However, I believe the "old hen," set in a good, quiet and comfortable place, free from vermin, will raise better and stronger chicks than any incubator, and I use them whenever I can do so without using up the time of my choicest birds, who can be of more value laying eggs to produce prize winners.

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SUCCESSFUL INCUBATORS AND BROODERS are made right and with the free advice and lessons I give my customers no one can possibly fail to make the biggest hatches of strongest chicks. Write me. A postal brings all facts, book, prices and proposition. "Proper Care and Feeding of Chicks, Ducks and Turkeys" sent for 10c. J. S. Gilcrest, Pres. Des Moines Incubator Co., 53 Second St., Des Moines, Iowa.

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Operated by rule. The novice gets the same excellent results as the experienced operator. The only incubator with the open-front poultry house plan of ventilation. Only one applying the vital principle of low moisture with high temperature and high moisture when heat runs low. All regulated automatically. Send for latest book, describing the new features—plain, practical, helpful. Write us for mating list and prices on S. C. White Leghorn stock and eggs from the Mandy Lee farm. **Geo. H. Lee Co., 1137 Harney St., Omaha, Neb.**

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and satisfying all buyers. All money is returned if the **QUEEN Incubator** does not fulfill all the claims I make for it. The high-class hatcher that is sold at a reasonable price. Why pay more? Get my free Poultry Guide and Catalog and see my plan. I pay freight and guarantee 10 years. Address **WICKSTRUM, Queen Incubator Man, Box 28, Lincoln, Nebraska**

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And Almanac for 1912 has 224 pages with many colored plates of fowls true to life. It tells all about chickens, their prices, their care, diseases and remedies. All about incubators, their prices and their operation. All about poultry houses and how to build them. It's an encyclopedia of chickendom. You need it. Only 15c. **C. C. SHOEMAKER, Box 599, Freeport, Ill.**

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In my Free book of plans I show how easy it is to build yourself the best incubator, using my Acme Perfect Fixture sold on 30 days' Free Trial to let you prove them. My lamp maintains constant oil level. My thermostat, damper and flame regulation save time, money and sleepless nights. Also automatic regulation of heat, moisture and ventilation. Use these plans on your old incubator, too. Write now for my Free Book telling all about Acme-built incubators. **H. M. SHEER, Dept. 66, QUINCY, ILL.**

White Plymouth Rocks

GOOD TO LAY GOOD TO EAT GOOD TO VIEW
never been approached by any other variety. I have bred W. P. Rocks exclusively for 20 years and have some fine specimens of the breed. I sell eggs at "live and let live" prices, \$2 per 15, \$5 per 45, and I prepay expressage to any express office in the United States. **THOMAS OWEN, Sta. B, Topeka, Kan.**

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WANTED—POULTRY; WILL PAY HIGHEST MARKET PRICE. Write or phone. Wise & Smelser, 1127 Kansas ave., Topeka, Kan.

Praise For The Hamburgs

By W. S. BINKLEY, Clay Center, Kan.

I have been asked many times why I raise the breeds of chickens I do. From a small boy I have always been a great admirer of Hamburgs. When I started several years ago to raise fancy chickens I bought a few (what were then said to be good Hamburgs) to start with and after years of careful mating and breeding I feel that I have improved the breed so that I think my small flock does not have to take a back seat among Hamburgs.

While the Hamburgs are a very timid breed, they are a very tame breed. They are light feeders and are great egg producers, especially when they are properly cared for. No breed will produce eggs with haphazard care, no matter how well bred they are. While I believe there are many breeds of chickens that are more hardy when the chicks are first hatched, I know that I raise a larger per cent of Hamburgs hatched than I do of the other two breeds I raise. After about three weeks when the little fellows get their wing and tail feathers well started they are very hardy, active fellows.

I do not think there is a more interesting thing than to watch a bunch of young Hamburgs day after day and note the change in plumage from a blackish gray color to the fine spangles, and note the great difference in the pure white and glossy black feathering. The longer I raise Hamburgs the more I become attached to them. There is something about them that appeals to me as no other breed does. When I enter a show room, the first chickens I look for are

Hamburgs, for all must agree with me that they are the most beautiful chickens we have when they are properly cared for.

While no doubt there are many who have read my explanation as to the rearing of the Hamburg youngsters I will re-write it for the benefit of those who have not, and have tried to raise them and failed.

As a general thing Hamburgs are very strong when first hatched (as the eggs, as a rule, are very fertile) and by the time they are 12 hours old, their tiny wings and tail feathers have started. When they are a week old I clip the wings and tail. If I do not, so much of the chick's strength goes into the wings and tail that it retards the growth of the body and if the weather is damp it will cause the wings to drabble and droop and if the chick lives it will never be a good shaped chicken. I clip the wings and tail as often as needed until the chick is six weeks old. At that time it has gotten far enough along to hold its own anywhere with any breed and is far more hardy than the others at that age.

Now, Brother Fanciers, do not take it that I am knocking on any other fellow's breed, for I am not. I raise others, too, and good ones, but I make a specialty of Silver Spangled Hamburgs, and I believe a fancier does not amount to much who does not have a hobby. I am for better and more pure-bred poultry all the time, let it be whatever breed the fancier takes delight in.

SAVE YOUR CHICKS

Send us the names of 5 or 10 poultry friends and receive free our booklet entitled "White Diarrhoea the Greatest Foe to Chick Life." This booklet makes Poultry Profits Possible. It treats of White Diarrhoea, commonly called bowel trouble; gives cause, treatment and a guaranteed cure. Also gives directions for feeding chicks. Write today. It's free, postpaid.

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Baby chicks from same matings, \$25 per hundred. In shipping baby chicks I guarantee 95 per cent alive and strong at your express office.

Send for catalog describing my matings and giving a list of my winnings at Newton, Topeka, Leavenworth and other shows.

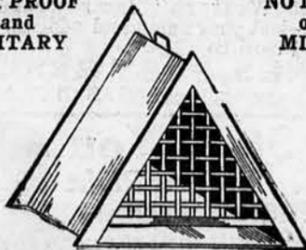
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Will please anyone looking for good Reds. This is the best breed of chickens in existence and we have as good representatives of the breed as can be found. Our winnings at State Show prove this. See show report.

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BARRED ROCKS



Again victorious at State Show at Wichita, 1912. For eight consecutive exhibitions our birds have won the blue, a record any breeder might be proud of.

Pens Mated With Grand Birds for the coming season. Eggs, \$3 to \$5 per fifteen. We cater to the farmer with our utility eggs, only \$4 per 100. Send for circular.

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Harvey County. WALTON, KAN.

White Plymouth Rocks

Exclusively.

At the last Leavenworth Show I won first pen, first cockerel, first hen, second pullet, third pullet, and a special prize for the best exhibit of White Plymouth Rocks. Eggs in season. Write for prices.

Gus Aaron,

Route No. 5, Leavenworth, Kansas.

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W. A. WEBER, Box 934 Mankato, Minn.



The Barred Plymouth Rock

An Answer to the Question "Why do I Prefer This Breed?"

By CHAS. E. SMITH, Baynesville, Kansas

There are many things to consider—principally, demand. In dressed fowls, the public demands a plump body, full breast, and for years has been educated to believe in yellow legs and skin. The average family demands a fowl that will weigh from four and one-half to six pounds. For this reason, the heaviest breeds are not in as great demand, and for lack of weight, the smaller breeds are ignored by the consumer.

In Barred Plymouth Rocks you have a fowl that fully meets this requirement. They have never been injured by foundless booms, but from their origin have grown steadily in popular favor, strictly on their own merits, as a premier table fowl and as egg producers. The type of the Barred Plymouth Rock as demanded by the Standard of Perfection, provides this breed with the length, depth, width of body and fullness of breast that constitutes the all-purpose fowl. The nearer to standard they are bred, the better egg producers they are. With B. P. Rocks you can demand the highest market price.

In breeding this variety in their purity, I have always had four grades: Market, utility breeders, exhibition breeders and exhibition individuals. I have always found the demand in all four grades to exceed the supply, at remunerative prices. It is my endeavor to rear each year 200 to 250 birds. This number is reared on one-half acre of ground. The first culling of young stock is done when they have reached the weight of two to two and one-half pounds. The chicks that show their inferiority at this time are placed on the open market. They are culled again at four to five pounds, when all serious defects can be detected. The defective birds are placed on the common market. The balance are graded at six months of age.

The utility stock is placed with farmers who desire to grade up their flocks with birds that are pure in blood and breeding. Choice breeders are in demand by small breeders who have the desire to produce really good birds in both color and type. Exhibition birds

from the best of all breeds are always in demand by fanciers who desire the ribbons.

There is no comparison between a pure bred farm flock and the scrub stock as found today upon many farms, and farmers are rapidly realizing this fact, as it has been proven beyond dispute that there is no department of the farm that gives the returns upon the investment that poultry does.

I have found the open front houses with muslin curtains to be the most practical house. In feeding, a warm mash in the morning, one-half table-spoonful to the hen, will arouse their appetite and start them to digging in the litter for the scratch feed, composed of four and one-half pounds wheat, one and one-half pounds corn or Kafir, three and three-quarters pounds oats to each 35 hens. My evening feed consists of whole corn or Kafir, warmed, four and one-half pounds to 35 head. This may not suit some people, but I get the best results from these proportions. Bran fed dry in hoppers, oyster shell, dry bone, grit and plenty of fresh water, are also provided.

I am now feeding thirty-five hens and thirteen males, at a total cost of 12c. per day, and averaging 19 eggs at 33c. per dozen. This production will be increased 25 per cent in February and 45 per cent in March, and will continue until May, when it will decrease to a certain extent.

The best method I have found to combat lice and vermin is cleanliness in nests and houses, free use of kerosene emulsion. For the same reason, my flock is practically free from diseases. I can heartily recommend the use of incubators and brooders as a more profitable way of rearing poultry than using hens. You save time, money and your temper. The control of the chicks lies in your hands. The better regulated the life and growth of the chicks the better chick you will have. I cannot find anything to recommend the hen for hatching and breeding.

Breeds may come and go, but the old Barred Plymouth is as necessary to your welfare as flour and sugar.

Raising Pure Bred Poultry on the Farm

By MARTHA HAYNES, Grantville, Kansas

Pure-bred poultry as a side business on the farm brings in quite a little competency to the farmer's wife, besides the pleasure she derives from it. It is true there are quite a good many worries connected with the business. Storms, vermin and disease give us a great deal of trouble, at times almost discourages us, but still we go ahead with renewed hope, and most always win out with a goodly number of birds at the end of each season. Such a pleasure to gather in the pretty brown eggs, feed and care for the little downy chicks! My pretty black beauties! How very attractive they make farm life! I am sure we could hardly get along without them. By the help of our home farm papers, I dispose of my surplus stock and eggs with very little trouble. The advantage of raising pure-bred stock over scrub stock is this: The nearer we keep to the breed type the more vigorous and productive our flocks become, both in quality of flesh and number of eggs. So many different natures in a mixed flock to contend with. What is good for a few will starve some or overfeed others. The more a flock is crossed the more trouble it is to manage it. There is surely more profit and pleasure to have them all the same type. Those that have never raised the pure-bred, try some pure strain and you will never regret it. For myself, I want nothing better than the Imperial Langshans. I have found them more profitable than any other breed. They are a distinct breed. Having their origin in China, they are fine, showy birds; they stand confinement well; they are unexcelled as winter layers; for all the year around layers they "are right in it." I have never had any fowls yet that would lay in cold and bad weather as well as the Langshans, while as a table fowl they cannot be beaten. Their flesh is delicately flavored. Such rustlers; they wander all over the farm hunting insects. There

are none better for home use, meat and eggs considered. Their lofty carriage and grand style, together with their handsome green luster, make them most attractive to me of all breeds. The chicks are half white when they are hatched and remain so until they grow feathers. I think a larger per cent will grow to maturity than any other breed. To the new beginner, give the Langshans a trial and you will not be disappointed.

A few words on diseases: Preventatives are better than cures. I have used Potassium of Permanganate very successfully as a preventative of roup and cholera. A few grains in their drinking water; just enough to give the water a pinkish cast. I also use it to disinfect the incubator and eggs before setting them. I find this a fairly good preventative of white diarrhoea. Dry wheat bran along with chick feed is fine for young chicks; it keeps their bowels in good condition. Slacked lime is a good disinfectant to scatter around the poultry yards.

Mendel's Law.

A subscriber residing in Harper county writes to ask about Mendel's law. He says he has read a great deal about it, as applied to poultry breeding, and would like, definitely, to know what it is.

Mendel's laws are formulas developed and given out by Gregor Mendel, an old world monk, who made a scientific study of the laws of heredity. According to these, it is possible to calculate the percentage of the offspring of a cross, that will show the characteristics of one parent; the percentage that will show those of the other parent, and the number of those which will have the different possible combinations of these marks.

These laws are valuable only in cases where characters of the parents constitute pairs, in each of which two marks are sharply contrasted.

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5 cockerels at \$10.00 each.
4 cockerels at \$15.00 each.

L. P. HUBBARD, TOPEKA, KANSAS.

How To Get Fertile Eggs
(Continued from page 2.)

might be made warm enough for our coldest spells. The style of house is immaterial, though I prefer one facing the south, with the roof sloping to the north. It is therefore higher on the south side, and can get more of the sun's rays than it could if it sloped from north to south. I like a passage-way in the rear of the house, so that one can go through the house without interfering with the hens and one can feed and water the hens through slats in this passageway. To be warm, I would put three-ply tar paper on each side of the studding and matched lumber on outside and inside of the house. This gives an air-tight space of four inches, which makes the house almost impervious to cold. Provide darkened nests, for fowls love to hide their nests. It also prevents egg-eating, for the hens won't stay long after laying in a dark nest. Let the hens out in the scratching shed on fine, sunny days, but on cold, dark days keep them in the hen house. The house ought to be roomy enough so that the fowls could be kept in it for several days during a severe cold spell without endangering their health. On very cold days I would pay particular attention to see that the hens were comfortable, parching some corn for them and feeding it to them warm and feed the mash warm. The object of this would be to prevent the hens from a cessation of their laying during the cold spell, for it is much easier to keep them laying right along than to make them commence again after they have once quit.

The last but not least requisite for fertile eggs is proper care. This consists of keeping the premises clean and sanitary; seeing that the house, roosts and nest boxes are free from lice and mites. Also that the hens themselves are free from lice. A lousy hen is not apt to lay, for it takes all the nourishment she receives to feed the lice, leaving no surplus to manufacture eggs. Provide a dust box in each pen so that the hens can help keep themselves clean. There is no better deodorizer than dry earth, but sifted coal ashes makes a good dusting material. Feed the mash and water through slats, placing the utensils in the passage-way. The hens cannot then scratch the filth into the water, or soil the soft feed with their feet. Much disease comes to fowls because they are often compelled to eat their own droppings that become mixed with their feed.

If you follow these directions we will guarantee that you will have plenty of fertile eggs; eggs that will hatch you a fine fry for the Fourth of July picnic, a delicious broiler for Thanksgiving or a juicy roaster for your Christmas dinner. If you have thoroughbred fowls, peradventure some of the eggs may hatch out birds that will win first honors at a big poultry show and bring you honor and fame and money galore.

The Largest Poultry Producing States.

According to figures given out by the U. S. Census Bureau, the ten highest ranking poultry states, are as follows: Iowa has the lead, the value of poultry on hand in 1910, being given at \$12,270,000. Missouri ranks second, with \$11,871,000. The eight states next in order, are: Illinois, \$11,697,000; Ohio, \$9,533,000; New York, \$7,780,000; Indiana, \$7,762,000; Pennsylvania, \$7,674,000; Kansas \$7,377,000; Michigan, \$5,611,000; and Texas, \$4,807,000. In these ten states together, the value of poultry is \$86,481,000, or 55.9 per cent of the total value of poultry in continental United States.

This showing puts Kansas as the eighth in rank, a very creditable showing, considering her age and that she is but one of the 48 states, in all of which poultry is a principal branch of industry. It is also a surprise so many, that 10 states should raise over half of all the poultry in the country. Kansas in 1910 had, practically, one-twentieth of all the poultry in the United States.

The average value per fowl was 52 cents, and 95 per cent of all fowls were chickens. This is taking the country at large.

The well known Clydesdale stallion "Laron of Buchlyvie" was sold at public auction in Scotland, on December 14, for \$47,500, which is nearly three times as much as any draft horse of any breed has ever previously brought either publicly or privately. The enormous earning capacity of this and some other Clydesdale sires justifies the price.



World's Championship Winners

Mrs. H. F. Osman of Ohio won the Tycoos Cup offered participants in contest of manufacturers of Tycoos Thermometers.

Mrs. Laura J. Clark of Illinois was a winner in the Missouri Valley Farmer and Nebraska Farm Journal great 1911 contest hatching 140 chicks from 140 eggs.



Mrs. W. J. Black of Indiana Winner in Successful Farming's 1911 Contest with two 100 per cent hatches.



Mrs. M. J. Clifton of Oklahoma, winner in the 1910 Successful Farming Contest by hatching 140 chicks from 140 eggs.

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Read Description of What You Get for Your Money

BIG full size 140-egg strong, well-made, durable machine that will last a lifetime with proper care—double walls and double doors—dead air space all over—self-regulator simple and perfect—cold rolled copper hot water heating system—copper tank and boiler—safety lamp that does the work day and night—roomy nursery and strong egg trays—equipped with Tycoos thermometer, egg tester and everything you need including simple instruction book of operating, hatching, and caring for chicks—and the price only \$7.55, all freight prepaid. Read description of Brooder: 140-chick size—hot water top heat—double walls—equipped with metal safety lamp—wire runway yard with platform—guaranteed to raise more chicks than any brooder made—price \$4.85.

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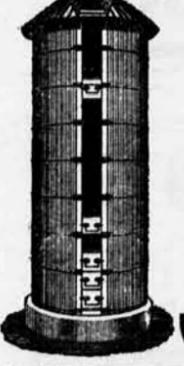
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Put an end to wasteful methods. Demand that every seed put into the ground pays back the utmost in profits. Begin right now by sending for an amazing wealth of information FREE—a booklet describing in detail the world's most dependable and only accurate corn planting machine—the Rock Island No. 1 Corn Planter.

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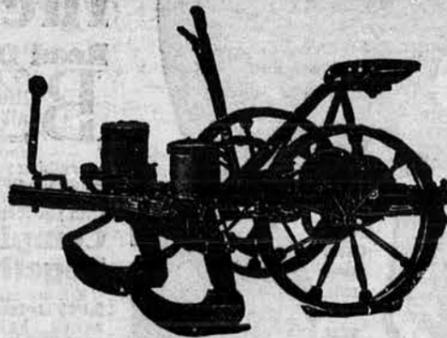
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Rock Island No. 1 Corn Planters are built with the single idea of combining greatest efficiency with absolute simplicity of operation. They embody in concrete form all the newest and best ideas. They render most service at least cost.

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clutch—but not with ours. As the clutch is usually the first part to give trouble, we put a trouble-proof clutch on the Rock Island No. 1. It is conceded by authorities to be the most perfect clutch ever invented. It is the only automatic driving clutch and variable device that will successfully stand use and abuse. Extra width of bearings—wider than any found elsewhere—insure perfect alignment of all parts. Inspect this marvelous planter the next time you are in a Rock Island dealer's store. Better make it your special business to see our dealer now.

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The White and Brown Leghorns are the greatest layers in the world. I keep 3000 of the celebrated Chamberlain laying strains on my Experimental Farms, and to increase the sale of my Perfect Chick Feed, I will send to any one who will send me their name so I can send them my Perfect Chick Feed Catalogue, 2 sittings of Single Comb Brown or White Leghorn Eggs for \$1 for the 2 sittings. Not less than 2 sittings sold. White or Barred Plymouth Rock or Rhode Island Reds or Silver or White Wyandotte or Rose Comb Brown Leghorn or Single Comb Black Minorca Eggs, \$1 per sitting. W. Orpington Eggs, \$2 per sitting. 15 to a sitting. Large white Pekin Duck Eggs, \$1 for 10 Eggs. Indian Runner Duck Eggs, \$2 for 10 Eggs. This is a rare chance to get a start of extra fine stock. Send Post Office order on St. Louis and have your orders booked early. Get our prices on Old Trusty Incubators, freight prepaid. W. F. CHAMBERLAIN, (The Perfect Chick Feed Man) KIRKWOOD, St. Louis County, MO.

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That is the name of a booklet we have just printed. It ought to be read by poultry breeders everywhere.

Present high prices of poultry and eggs are stimulating the demand for good breeding stock.

In Kansas, where crops have been short, poultry is the stand-by to tide over the tight places.

Poultry raisers know it costs as much to feed a lazy scrub as a pure-bred that lays and pays.

If you have a surplus of breeding stock, a small ad in these pages will find you ready buyers—if your stock and prices are right. The same is true of eggs for hatching.

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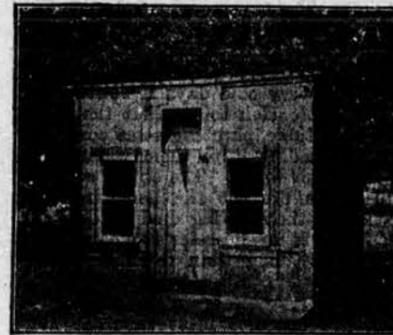
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State Poultry Exhibitions (Continued from page 4.)

annual appropriation of \$1,000 made therefor. This was brought about by the untiring efforts of Charles Steinberger, now of WaKeeney, George H. Gillies, Prof. Dyche, Colonel Hughes and others. This appropriation helped the Association wonderfully, permitting it to double its premiums and increase its general efficiency. Under a misunderstanding of the objects of the Association, and calumniation by a few enemies, the Legislature has failed lately to make its annual appropriation. But we hope this will be remedied at the next session.

There have been great changes and many improvements in the poultry industry during the past 20 years. Twenty years ago the popular price for eggs for hatching was \$1 per setting, while now they run from \$3 to \$10 per setting. Good pure-bred fowls could be bought for \$1 each 20 years ago, whereas now they are bringing from \$5 to \$25 each.



SHED ROOF TYPE OF COLONY HOUSE, FITTED WITH BROODERS FOR LITTLE CHICKS. USED AT KANSAS STATE AGRICULTURAL COLLEGE.

The extent of the poultry industry can be seen by the large number of poultry shows now held all over the state. Most of the counties of the state have now a show of their own, while 20 years ago they were few and far between.

Judges Theo. Hewes, F. W. Hitchcock and C. A. Emry did most of the judging for the state shows in the earlier years.

The poultry breeders of the earlier days were better fanciers, it seems to us, than some fanciers of present day. By fancier we mean one who is devoted to the fancy poultry business for the pure love of the industry and not for the money that is in it. Commercialism and profit were secondary matters with the old-time fanciers, and the elevation of the fancy their principal concern. They spent lots of money for fancy fowls, and were fleeced time and again by unscrupulous Eastern breeders. But they kept at it till they found reliable fanciers, and now they have as good stock as any that is in the East. When, as sometimes happened, the receipts at the State Show were insufficient to pay expenses, they gladly went down into their pockets and made up the deficiency, thus upholding the honor and integrity of the State Association. As treasurer of the Kansas State Poultry



COLONY HOUSE FOR LAYING HENS OR GROWING STOCK. USED AT KANSAS STATE AGRICULTURAL COLLEGE.

Association for over 15 years, we want to go on record as saying that never was there a bill presented that was not paid on demand, and never a promise given but what it was performed. Let the cavilers put that in their pipe and smoke it.

The pioneers of the poultry industry, like the pioneers of all other undertakings, had to bear the heat and burden of the day, and the brunt of the battle. They had to sow for others to reap. This is all right, and in the order of nature, but the followers of most pioneers have the decency to be thankful to their predecessors for trailing the way.

When the state appropriation was first given to the Association, it was given with the understanding that it was for poultry breeders who were trying to help the farming community improve their poultry, and not for spacious Eastern poultry breeders.

While we are doing honor to the pioneers of the poultry industry of Kansas, which we do because they are not here to speak for themselves, we would not detract one iota from the good name of those who have followed in their footsteps. We have lots of good, reliable poultry breeders in the state, and we take pleasure in mentioning some of those who have shown birds and taken an active interest in late Kansas state poultry shows. We do not claim anything for the State Association or believe there is no good outside of it. We know there are many first-class poultry breeders who have not been affiliated with it and their names are not here mentioned because our theme was not the general one of "The Poultry Industry of Kansas," but the restricted

one of "Reminiscences of Kansas State Poultry Shows."

The following named are the present officers of the Kansas State Poultry Association: President, Thomas Owen, Topeka; Vice President, D. D. Colglazier, Hutchinson; Secretary and Treasurer, W. B. Borders, Wichita; Board of Managers, Thomas Owen, D. D. Colglazier, W. B. Borders, C. C. Lindamood, Walton; W. R. Munroe, Florence; R. B. Earp, El Dorado, L. B. McCausland, Wichita; A. J. Waddell, Wichita; G. C. Wheeler, Manhattan.

Let us hope that the Kansas State Poultry Association will always adhere to the high ideals of its founders and turn a deaf ear to the modern siren of graft and chicanery.

Herewith is appended the names of a large number of Kansas poultry breeders, together with their addresses and the varieties of poultry they breed, who are active workers in the Kansas State Poultry Association. We have made the list as complete as memory will permit. If any names have been omitted, it was not intentional:

Name—	Town—	Breed.
V. A. Lamb.....	Manhattan.....	Brown Leghorns.
Fred Vanderschmidt.....	Leavenworth.....	Buff Plymouth Rocks.
H. C. Short.....	Leavenworth.....	S. C. Brown Leghorns.
J. C. Baughman.....	Topeka.....	Buff Cochins.
Mrs. A. P. Woolverton.....	Topeka.....	Light Brahmas.
L. P. Hubbard.....	Topeka.....	Silver Wyandottes.
Frank H. Foster.....	Topeka.....	R. C. R. I. Reds.
F. A. Rehkopf.....	Topeka.....	R. C. R. I. Reds.
C. C. Lindamood.....	Walton.....	Barred Plymouth Rocks.
W. R. Munroe.....	Florence.....	S. and R. C. R. I. Reds.
H. M. Palmer.....	Florence.....	Black Langshans.
D. D. Colglazier.....	Hutchinson.....	Buff Wyandottes.
Otis H. Crow.....	Hutchinson.....	Several varieties.
W. B. Borders.....	Wichita.....	Buff Orpingtons.
A. J. Waddell.....	Wichita.....	Buff Plymouth Rocks.
H. J. Freeman.....	Wichita.....	Buff Wyandottes.
Mrs. J. R. Kenworthy.....	Wichita.....	Light Brahmas.
Mrs. Martha Haynes.....	Grantville.....	Black Langshans.
S. S. Jackson.....	Seranton.....	Partridge Wyandottes.
J. C. Bostwick.....	Hoyt.....	White Plymouth Rocks.
E. D. Martin.....	Newton.....	White Orpingtons.
C. Kornhaus.....	Peabody.....	White Wyandottes.
W. T. Macauley.....	Wichita.....	Light Brahmas.
Harry Mentzer.....	Topeka.....	S. C. R. I. Reds.
R. B. Steele.....	Topeka.....	S. C. R. I. Reds.
Mrs. V. L. Moore.....	Wichita.....	S. and R. C. R. I. Reds.
N. R. Nye.....	Leavenworth.....	S. Penciled Wyandottes.
Fred T. Nye.....	Leavenworth.....	R. C. R. I. Reds.
P. J. Page.....	Salina.....	P. Wyandottes and Pigeons.
P. A. Peterson.....	Topeka.....	S. C. Brown Leghorns.
W. B. Powell.....	Hutchinson.....	White Plymouth Rocks.
H. W. Schopf.....	Wichita.....	Buff Wyandottes.
D. C. Sechrist.....	Meriden.....	B. P. R. and I. R. Ducks.
Lulu O. Searl.....	Sedan.....	R. C. R. I. Reds.
Shelley Brothers.....	Elmdale.....	Barred Plymouth Rocks.
H. A. Sibley.....	Lawrence.....	S. and R. C. R. I. Reds.
H. A. Wattles.....	Wichita.....	Columbian Wyandottes.
J. T. Welch.....	Whitewater.....	White Plymouth Rocks.
S. F. Mueller.....	St. John.....	Several varieties.
S. W. Perkins.....	Newton.....	Mammoth Bronze Turkeys.
A. E. Day.....	Winfield.....	White and Buff Wyandottes.
N. A. Doolittle.....	Sabetha.....	Partridge Wyandottes.
K. C. Beck.....	Hutchinson.....	Land and Ornamental Fowls.
J. J. Bleakley.....	Abilene.....	Buff Plymouth Rocks.
Roy Baker.....	Abilene.....	Buff Plymouth Rocks.
M. B. Caldwell.....	Broughton.....	Silver Wyandottes.
J. J. Atherton.....	Emporia.....	R. I. Reds.
A. D. Willems.....	Minneola.....	C. Wyandottes, R. C. R. I. R.
Mrs. J. T. Woodford.....	Wichita.....	Barred Plymouth Rocks.
Theo. B. Young.....	Wichita.....	White Wyandottes.
E. W. Lightner.....	St. John.....	Rose Comb B. P. Rocks.
J. E. Howard.....	Wichita.....	S. C. R. I. Reds.
D. N. Deen.....	Wichita.....	S. C. R. I. Reds.
W. S. Binkley.....	Clay Center.....	S. S. Hamburgs.
B. F. Koch, Jr.....	Ellinwood.....	Several varieties.
Leon Moorehouse.....	Spearsville.....	Several varieties.
E. O. Spencer.....	Wichita.....	White Plymouth Rocks.
C. Widaman.....	Pratt.....	B. and W. P. Rocks.
J. C. Kullman.....	Towanda.....	B. B. and W. Orpingtons.
L. B. McCausland.....	Wichita.....	Barred P. Rocks.
Mrs. H. P. Swerdfeger.....	Wichita.....	S. C. Brown Leghorns.
J. P. Bridges.....	Douglass.....	Cornish Indians.
H. Brunner.....	Halstead.....	Silver Wyandottes.
A. M. Butler.....	Wichita.....	S. and R. C. R. I. Reds.
B. C. Cerf.....	Wichita.....	S. and R. C. R. I. Reds.
D. C. Emory.....	Wichita.....	R. C. R. I. Reds.
E. R. Davis.....	Valley Center.....	White Plymouth Rocks.
John Dudley.....	Emporia.....	Partridge Wyandottes.
C. C. Fair.....	Sharon.....	White Plymouth Rocks.
W. A. Forbes.....	North Topeka.....	Buff Wyandottes.
W. R. Fretz.....	Arkansas City.....	Partridge Wyandottes.
Mrs. J. W. Gause.....	Emporia.....	Silver Wyandottes.
Miss Jennie Gerrard.....	Wichita.....	Buff Orpingtons.
Goodell.....	Salina.....	S. C. Brown Leghorns.
Ginette & Ginette.....	Florence.....	White Wyandottes.
Arthur O. Haury.....	Newton.....	White Orpingtons.
Richard Harmston.....	Newton.....	Barred Plymouth Rocks.
S. Holden.....	Douglass.....	Columbian Wyandottes.
C. Lane.....	Newton.....	White Plymouth Rocks.
W. Kauble.....	Oswego.....	Barred and W. P. Rocks.
Laney.....	Wellington.....	Barred and W. P. Rocks.
F. Alden.....	Ellsworth.....	Buff Plymouth Rocks.
F. Drinkwater.....	Cedar Point.....	Barred Plymouth Rocks.
R. B. Earp.....	El Dorado.....	Buff Orpingtons.
O. A. Haury.....	Newton.....	White Orpingtons.
E. Hunt.....	Hutchinson.....	Partridge Cochins.
J. Roof.....	Maize.....	S. C. B. Leghorns.
E. Ward.....	Wichita.....	Bantams and Pet Stock.

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YES, a welcome surprise on price and quality—biggest incubator bargain ever offered! Give me a chance to prove it—that's all I ask. Send me your name and address on the coupon—or just a postal will do—before you buy any incubator from anybody at any price. Read my 1912 Free Book. Then note my prices. That's where the surprise comes. You'd never dream I could come down so low for genuine Ideal quality—backed by my clean record of 25 years in the poultry and incubator business. I'd give you my low prices here—but if I did you might class

IDEAL INCUBATORS AND BROODERS

with the "cheap" kind. That's why I want to put the facts about quality before you—and my low prices—at the same time! Then you can see that Miller has them all beat for value.

Let me prove to you, as thousands already know—that Ideal incubators are made right and work right. Walls are made of 5 thicknesses of material—3 walls of finest quality long leaf lumber which does not crack or warp, with thick flax fiber and genuine asbestos in between to hold the heat in and keep the cold out—saving your oil and keeping down the cost of hatching. Top is strong, double-walled, with asbestos between.

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Choice Buff and White Orpingtons and S. C. Brown Leghorns

Just won at Dodge City, Kan., Show, on BUFFS, first and third cockerel; first, third, fourth and fifth, pullet; first and second hen; first pen. On WHITES, second, third, fourth and fifth, cockerel; first, pullet. Only showing on LEGHORNS, first, cock; first, third and fourth, cockerel; second and third, hen; first, second and third, pullet; first and second, pen.

Stock and Eggs, also Chicks for sale. Give me your order and get a square deal.

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A REMINDER!

I bought this space to remind you that you should place your orders now if you want eggs from my 1912 matings—the best I ever had, of the best all-purpose breed of chickens known.

BINGER'S BUFFALO STRAIN S. C. BUFF ORPINGTONS.

Are unquestionably the best Buff Orpingtons in the West. My winnings prove this. You can get eggs from this great strain this year from two dozen of the best matings of Buff Orpingtons ever made. You need not send full price with order. Write me for 1912 mating list and full particulars. Still have for sale some fine cockerels—good breeders for this season.

G. H. BINGER, Topeka, Kansas.

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You can't afford to risk your crop of corn by planting inferior seed corn any longer. Buy from seed jobbers. Buy direct from the oldest and most successful breeder. Raise 75 to 100 bushel an acre. We grow every bushel on the world's greatest seed corn farms—1000 acres—in finest type growing section of corn belt. Thousands regular paying customers.

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 Besides its value at killing time—for grinding sausage meat, etc.—there's an everyday use for the



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Soften, purify and beautify your skin in all water, hard—soft—hot—cold. Large cake 10c—any dealer.

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HOW TO GET BETTER LIGHT From KEROSENE (Coal Oil)

Recent test by Prof. Rogers, Lewis Institute, Chicago, and Prof. McKergow, McGill University Montreal, on leading oil-burning lamps show the Aladdin Mantle Lamp is the most economical and gives over twice as much light as the Rayo and other lamps tested. It is odorless, safe, clear, noiseless. Better light than gas or electric. Every Aladdin Lamp fully guaranteed and protected by patents in nearly every country on earth. Our burners fit your old lamps. To introduce the Aladdin, we will give

ONE LAMP or BURNER FREE in each neighborhood. Send postal with name and address, ask for cat. Agents guaranteed; not one returned. Burner sold \$2.00 in 15 days. Ask for liberal agency proposition. Sample lamp furnished.

LANTLE LAMP COMPANY,
 195 Aladdin Building, Chicago, Illinois.
25c. Value at Stores For Only 10c.
 To make known to you our Hand Water Colored Pictures (many frame them) in Post Card form, we will send you for 10c a most beautiful Scene, and include 9 high art cards free. Most elite card made. Solicitors wanted.

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EASTER POST CARDS FREE
 Send me two 2c stamps and I'll send you 10 beautiful Easter Post Cards and tell you about my big SURPRISE.
 E. T. WERREITH, 47 Success Building, Des Moines, Iowa

HOME CIRCLE



Jubal and Tubal Cain.
 Jubal sang of the Wrath of God
 And the curse of thistle and thorn—
 But Tubal got him a pointed rod,
 And scabbled the earth for corn.
 Old—old as that early mold,
 Young as the sprouting grain—
 Yearly green is the strife between
 Jubal and Tubal Cain.

Jubal sang of the new-found sea,
 And the souls its waves divide—
 But Tubal hollowed a fallen tree
 And passed to the farther side.
 Black—black as the hurricane wrack,
 Salt as the under-main—
 Bitter and cold is the hate they hold—
 Jubal and Tubal Cain!

Jubal sang of the golden years
 When wars and wounds shall cease—
 But Tubal fashioned the hand-flung spear
 And showed his neighbors peace.
 New—new as the Nine point Two,
 Older than Lamech's slain—
 Roaring and loud is the feud avowed
 Twix' Jubal and Tubal Cain.

Jubal sang of the cliffs that bar
 And the peaks that none may crown—
 But Tubal clambered by jut and scar
 And there he bullded a town.
 High—high as the Passes lie,
 Low as the culverts drain—
 Wherever they be they can never agree,
 Jubal and Tubal Cain!
 —Rudyard Kipling.

It is our earnest wish that this should prove our most successful year—successful from the standpoint of our readers in the amount of pleasure and benefit they may receive from our columns—and to this end we solicit your hearty support. If there are any suggestions or criticisms you would like to make, we would be glad to receive them. If any of you—and of course you all have—have discovered some easier or quicker way of doing things, why not tell us about it so that we may tell others? Much of our pleasure in this life must be derived from the benefit we are to others, and oftentimes our means for doing are limited. But in this way a suggestion can be passed on to thousands of readers and so prove a help to many instead of just the few in your own immediate circle.

Did you ever try putting a layer of thick brown paper underneath the oilcloth in covering your kitchen table? If not, you will find it will keep the oilcloth from cracking, and make it last twice as long.

Hanging Baskets of Carrots.
 The above unique use of carrots has been suggested as follows: Scoop a hollow in the root and insert a small sponge; sow a few mustard seeds in this and hang in window. Keep the sponge moist and both mustard and carrot top will grow.

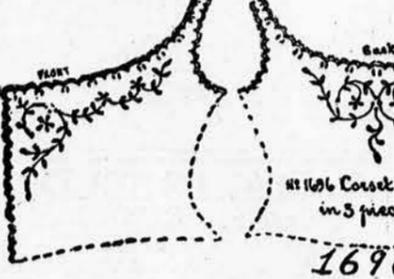
Spice Cake.
 One cup brown sugar, two tablespoonfuls butter, two cups flour, one teaspoon each of cloves, cinnamon and nutmeg. One teaspoon soda in one cup buttermilk or sour milk. An egg may be used or not.—H. E. G., Ohio.

Sausage and Eggs.
 One pound of sausage, two tablespoons of fat and three eggs. Use the cold sausage, skinning and cutting them in slices. Put them in the frying pan with the melted fat, fry them on one side, turn them over and when they have had time to fry sufficiently on that side, pour the beaten eggs into the pan over them and cook until the egg "sets." Fold it like an omelette and serve hot.

Couldn't Stand Exposure.
 The member of the legislature, of whom some graft stories had been circulated, was about to build a house. "You will want a southern exposure, I suppose?" asked the architect. "No, sir!" said the man. "If you can't build this house without any exposure, I'll get another architect."—Yonkers Statesman.

In 1863, two years after Kansas was admitted to the Union, she began laying the foundation for her fine school system which has been maintained and increased as the years followed. The State University of Kansas, at Lawrence, and the Kansas State Agricultural College, at Manhattan, were established that year, and two years later, in 1865, the State Normal School opened at Emporia with 18 pupils.

No. 1696—Design for Corset Cover.
 A dainty corset cover in floral design to be worked in French or eyelet embroidery.



Stamped on nainsook, 65 cents; stamped on lawn, 50 cents; perforated pattern, 25 cents.

Prevention of Fires.
 Many human lives and much property are sacrificed each year by fire. In many cases the fire could have been prevented if proper precaution had been exercised. We all think we are careful, but if an investigation was made the results would be surprising to some of us to find how careless we are in some matters, as regards the keeping of inflammable materials, and also in taking proper precaution to prevent fires from being started. Sometimes this lack is due to ignorance in this matter more than carelessness. The following suggestions may prove of some benefit and prevent any of our readers from going through the dreadful experience of a fire in the house.

The safety matches which are now being made are the best to use in the home. These will ignite only on the box and so prevent many a disaster. The ordinary match ignites easily and frequently one is dropped on the floor. Someone stepping on this will cause it to light, and in case the someone is a woman her skirts might easily be set on fire in this way. Men who smoke often carry matches in their pockets. If this is the case much care should be taken when these clothes are put away for the summer to see that none are left in the pockets, as otherwise a fire which originated from "causes unknown" might be traced to this source. Usually clothes are put away in the third story or attic, and the heat there is sometimes enough to ignite a match, or again they might be lighted by mice nibbling at them. At any rate it is so easy to remove the matches, and so much safer.

With the advent of hardwood floors, oil is frequently used to polish them, a common method being to apply it with cloths. Cloths saturated with oil should never be left around after they have been used, as they are very likely to take fire. A box lined with heavy sheet asbestos is a good receptacle for keeping bottles which contain oil.

Care should be taken not to put ashes just shaken down into an ash can that has any wood about it. Better yet, don't have anything but a metal ash can. In placing either a furnace or stoves, be sure that every precaution to protect any nearby woodwork is taken. Also remember that the pipes carrying the steam or hot water, or even hot air, get very hot, and when building see that they are kept a safe distance away from the wood. Also when building a new house see that all shavings are carefully removed before the floors are laid.

Gas and electric lights are another source of danger. Gas having an open

Note the ANGLE of the FLAME



Easy To Light To Fill On the Pocket

MAYBE you are prejudiced against oil lamps? No wonder if you have bothered with the ordinary, ill-smelling, mussy kind! But if you knew of a light with the advantage of the soft, mellow, perfect glow of the oil lamp, which cost even less than the ordinary oil lamp to burn, wouldn't you be interested? Well

The Angle Lamp

is all this and more, combined with the splendid unequalled light of a kerosene oil lamp, the advantages of other lighting methods with none of the drawbacks of expense and danger, with no mechanical delays and difficulties.

The Angle Lamp is absolutely safe; it simply cannot explode. It is easy to fill, easy to keep clean, easy to light, gives a brilliant flame for 16 hours on 1 quart of oil.

These splendid results in The Angle Lamp are brought about by our special burner arrangement which changes the direction of the draught through the chimney from the ordinary straight line to an angle. This also entirely eliminates the under-shadow. You will never know perfect lighting comfort with the merest trifle of cost until you try The Angle Lamp. Write us for Catalog No. 78, illustrating all styles from 1 to 8 burners. We will send you the name of our nearest dealer.

The Angle Mfg. Company
 159 W. 24th Street New York City

Trade Note: We appoint Exclusive Local Distributors for The Angle Lamp, and merchants looking for merchandise reflecting credit on their stores will be interested in the attractive proposition we offer.

Children's Dresses CUT OUT—READY TO SEW

"Semy-mayde" package dresses. Each package containing all the materials and trimmings, cut out and ready to make, with full instructions for the making—all in pretty styles for spring.

Materials are: Scotch Zephyr, Gingham, cut for sailor or yoke dress with soutache braid. Galatia Cloth, dark blue, cut for kilted dress, with large reverse. Best percale, cut for yoke dress, with pretty strap trimmings.

\$1.50 Packages Complete for \$1.00 Each.
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We are after good live agents to sell our hollow wire gasoline lighting systems for homes or stores. Good commission—Exclusive territory. Salesman's contract demonstration outfit. **80TH CENTURY GAS MACHINE CO., WATERLOO, IOWA.**

can't set fire to anything. This, however, is not the case, as in the higher temperature the heat which they radiate will cause trouble if anything inflammable is in close contact.

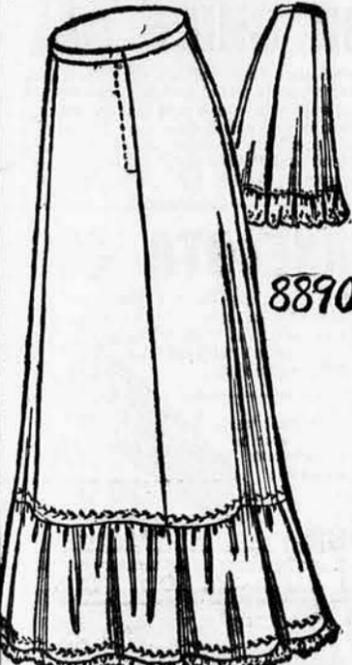
We all know the dangers of gasoline, kerosene and alcohol, and great care should be exercised in their handling and in where they are kept. It is better to be outside the house. And light a match or use a candle to investigate a possible leak where gas is being used.

In case you are so unfortunate as to have a fire start, remember that you should never throw water upon burning gas. Smother the flame with sand or a similar substance, or with a heavy blanket. In case a person's clothes have caught on fire, they should lie at once on the floor and the flames should be smothered out. Standing or running about increases the draft. Water should be used for wood or other flammable substances. In case you keep buckets of water for fire purposes, see that they are kept full and not allowed to freeze. Salt added to the water will prevent its freezing.

In case you are obliged to pass through dense smoke—for houses do take sometimes from unavoidable causes—keep along the floor on your hands and knees, covering, if possible, the mouth and nose with a wet cloth. You should always obtain the most air in such places near the floor. Many lives which otherwise could have been saved have been lost by not following this method.

8890—A Simple, Easily Made Petticoat.

Ladies' petticoat with seven-gore upper portion, lengthened by a straight gathered flounce. This design is suitable for nainsook, long cloth, muslin, cross-



starch, gingham, satin, or flannel. The upper portion is cut on fitted lines, and the necessary fulness at the bottom is gained by a gathered flounce. The pattern is cut in five sizes, 24, 26, 28, and 30 inches waist measure. It requires 3 1/2 yards of 36-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.

The man who makes the most of every opportunity he gets will never have any time left to envy other people's opportunities. Improving his own will keep him busy and happy.

Managing an Incubator.

To begin with, see that your machine is in perfect working order, thermometer tested, no leaks in lamp bowl nor hot water pipes. If you have a hot air machine, this last precaution is unnecessary.

If incubator has been in use the previous season, clean and disinfect it thoroughly. Place in a dry, well-ventilated room or cellar, where the temperature is not apt to vary. Be particular that the machine sets level. See that the lamp has a new wick and a bright burner, and use the best grade of oil. Run the incubator two or three days before putting in any eggs, to get it properly regulated and to be sure it is thoroughly dried out and in perfect working order.

Select moderately fresh eggs with which to fill the tray, of uniform size and color. Be sure they are from good, healthy stock. Eggs for incubation may be saved for several days and be in good condition if kept at a temperature of from 50 to 60 degrees Fahrenheit, excluded from the light and turned daily. In cold weather, care must be taken that they are not chilled before being gathered.

Fill the tray and mark each egg, so as to know when all are turned, if turning is to be done by hand.

If eggs of small breeds, such as Leghorns, are set, run your incubator at a little lower temperature than for the larger, thicker-shelled product of the heavy varieties. For the former, keep the temperature at from 101 to 102 the first week, gradually increasing the heat till it is up to 104 at hatching time. Beginning with the temperature at 103 for larger eggs, gradually bringing it up to 105 at the time the chicks begin to come forth.

This mode of procedure has been tested and proven to be effective for best results.

Begin turning the eggs the second day of incubation, and continue the process till the eggs begin to pip. Test out all infertile and faulty ones the tenth day.

When turning, roll about with the palms of the hands, exercising the embryo chick and increasing its strength. Air frequently, but avoid chilling the eggs.

If weather is dry and no moisture in the atmosphere, it is best to provide a little. The eggs may be sprinkled two or three times after the tenth day, with warm water, and if no moisture pans are provided, a saucer of water may be placed beneath the tray. When the eggs begin to pip, keep the heat up and keep the door of the incubator closed. When the hatch is about half off, if room is warm, the dry chicks may be removed to cosily lined baskets and the empty shells taken out. If the chicks seem to be coming out slowly and adhere to the shell, wring a cloth out of warm water and spread over them, sliding tray back in machine. After fifteen or twenty minutes remove the cloth, turn the lamp flame a little higher if necessary, and keep door shut till all eggs have hatched that will, then remove the chicks to brooder, or put with motherly hens.—Mrs. C. K. TURNER, Fowler, Kan.

When you are "down in the mouth" and the world seems a hard place in which to live, remember there are others worse off than you.

The art of artificial incubation is very old, having been practiced successfully by the Egyptians, who hatched eggs in a large clay room heated to the proper temperature. Today the practice is so well known and has been so perfected that it is even surer and gives better results if properly carried out than the way of nature itself.

No Aching Backs Sit straight at the FRANKLIN Sewing Machine

Sew in ease—and enjoy your sewing—no matter how long the day's work may be. You can—when you sew on a Franklin. For the head of the Franklin is set closer to you than in other machines, and you can reach your sewing without bending over. You can sit straight—and sew the live-long day with never a trace of a back-ache.



You'll find it a joy to sew on the Franklin, too. Runs so smoothly—so easily—so steadily—no matter what the sewing is. For it's the easiest-running machine ever built—ball-bearing and so well-balanced and so simple in construction that half the effort runs it. And then there are endless improvements. For example, the arm is high—you can easily sew on the bulkiest goods. You get a straight, even, elastic stitch that won't rip—whatever the sewing is. Then, the Franklin is self-threading up to the eye of the needle—has extra-sized bobbin—automatic bobbin winder—automatic head-lifting device—automatic tension release—big, roomy drawers. The belt is on the outside of the wheel—comes off and goes on easily. And then, best of all, The Franklin is the simplest machine you ever saw down before—nothing complicated—you can run it perfectly without personal instruction and do all kinds of sewing—hemming, ruffling, tucking, shirring, binding, etc.

Get this FREE Book

But these are only a few of the Franklin's superiorities. We have written a book that tells of them all in detail—shows the many styles of cabinets—tells how the Franklin is made—tells of our iron-clad 20-year guarantee—and tells, too, how you may get a Franklin for 3-month trial at home. A sewing machine is something you buy but once in a lifetime—why not have the best—the Franklin! Especially when at \$18.45 you can buy the equal of any of the \$65 machines. This book also shows our Minnesota sewing machines ranging in price as low as \$8.95. Write for it today—just a postal saying "Mail me your Sewing Machine Book" and the book comes free. Address SEARS, ROEBUCK & CO., Dept. 561 Chicago

Why not save \$20 to \$25 on your sewing machine? Get as good a machine as any on the market—and make that big saving too. This free book will show you how. Write for it today.

HARDY ALFALFA CLOVER AND EARLIEST POTATOES

Salzer's Hardy Northern-Grown Alfalfa grows wherever Red Clover flourishes, but produces per acre three times the food value of Red Clover and ten times that of Timothy. This claim is substantiated by the authority of the Agricultural Department. Salzer's Alfalfa is as hardy as oak. It's the biggest, quickest continuous money-maker for the farmer known. Ex-Gov. W. D. Hoard of Wisconsin writes: "On 80 acres I raised over \$2500 worth of Alfalfa hay. There is no better money-maker that I know of."

Salzer's Earliest Potato Collection composed of four rare earliest sorts and one later, all separately packed, full weight, per bbl., \$4.00. The crop from this Collection should easily be sold off for Earliest Potatoes, netting you \$125.00. Sold Onion Seed for 12c.

Onions, 8 Big Pkgs., 12c. Largest growers of Onion and Vegetable Seeds. For trial a big package each of White Portugal, Yellow Globe Danvers and Red Wethers—Sold Onion Seed for 12c.

For 10c in stamps we mail a package of our Hardy Alfalfa Clover, also our Famous Regenerated White Bonanza Oats, together with a lot of other rare farm seed samples, as also our Mammoth Catalogue, if you ask for same.

JOHN A. SALZER SEED CO
124 South 5th Street
La Crosse, Wisconsin

WALL PAPER

At One-Third Retail Prices

We show the most beautiful and popular designs, effective colorings, and finest qualities at wholesale prices direct. All new fresh stock, made for Spring of 1912. We can save you enough money on the paper for one room to paper two other rooms. Our prices are less than you could buy direct from the factory or anywhere else.

Don't Buy Your Wall Paper Until You Have Seen Our New Sample Book.

Our 1912 Sample Book of Wall Paper tells how to clean, brighten and decorate the home at trifling cost; how to do all the work yourself; how to figure the quantity for any size room. All the latest samples of paper for Bed Room, Parlor, Dining Room, Kitchen or Bath Room. Write for this Free Sample Book and make your selections while our stock is complete. We sell thousands of rolls every year. Order what you want now. 650 Liberty St. JONES, POST & CO., KANSAS CITY, MO.

SEEDS OF ALL THESE VEGETABLES GIVEN AWAY FOR TESTING

WE want every reader of this paper who has a garden to TEST these 6 splendid new vegetables. We know they will give such wonderful results that they will make thousands of new customers for us, and all we ask is for you to send your address at once plainly written on a Postal Card and we will mail you these 6 sample packets absolutely FREE for testing. Do it today before all the sample lots are taken.

FANCY PICKLES

40 Day Cabbage—Quickest growing cabbage in the world. Heads quick, very solid and splendid quality. Try it and you will say it is a wonder.

12 Day Lettuce—After once trying this variety you will say it is the quickest grower on record, always very tender, crisp and sweet.

15 Day Radish—A wonder for quick growth. Will produce radishes fit to use in 15 days. Is very crisp and tender, sweetest taste.

New Sugar Parsnip—Very best variety for home garden. Roots large, very smooth, flesh fine-grained, and excellent quality.

Remember we will send a Sample Packet of all these 6 varieties of SEEDS absolutely FREE to every reader of this paper who has a garden and will test them. Several dollars worth of vegetables can be grown from this lot of seeds. Write your name and address plainly on a Postal Card and it will bring them.

Our 1912 CATALOGUE of Vegetable and Flower Seeds, Plants, and Rare Fruits with our Special Bargain List with Color Plates, will be sent FREE with every lot.

Address—MILLS SEED HOUSE, Dept. 24, ROSE HILL, N. Y.

SAVE SEED MONEY!
Get My BIG BARGAIN SEEDBOOK FREE!

SEND YOUR NAME TODAY

You don't believe it's fair for you to pay high prices for poor seed, just to enable the seedsmen to print an "elaborate" "high-toned", expensive catalogue - YOU want high-grade SEEDS rather than a "high-toned" catalogue. That's just the way I feel about it, too! That's why I am giving you usable value in seeds rather than useless value in a "high-toned" catalogue.

My new 1912 Bargain Seed Book is a straight-from-the-shoulder book of seed facts - every page is filled with big bargain offers on tested, dependable seeds, rather than high-sounding names and fancy pictures of unknown "freak" vegetables. Thousands of readers of this paper who have given me their business for years already know the value of

Zimmerman's TESTED Seeds!

Zimmerman's Seeds are first quality seeds, true to name and sure to please. I sell tested seed only and give every customer prompt attention, courteous treatment and the most possible in quality and quantity for every cent they pay for my goods. I want you to have a copy of my catalogue so that you may prove by one trial order that it means profit and protection to you to buy all your seeds from me. Write me today for a free copy of my 1912 Bargain Catalogue. A postal will do.

ZIMMERMAN SEED CO.
 623 Quincy Street, TOPEKA, KANSAS

Horticulture

Peaches for the Farm.

Many farmers in Kansas have become somewhat skeptical as to the value of the peach in the family orchard. This is particularly true along the north central and western border of the state where cold winters frequently kill the fruit buds during the winter months. But even with this condition, can the farmer afford to be without this luscious fruit in the favorable years? Two or three dozen trees of good, hardy sorts will pay immense dividends, in satisfaction if not in dollars and cents, even though fruit be secured only three out of 10 seasons.

In the eastern part of the state, and along the Missouri and Kaw river hills, growers realize about three crops out of five, and on the more favorable elevations, as many as seven out of 10 may be secured.

Two or three dozen trees of good, hardy sorts, properly distributed, as to time of ripening, will give ample supplies for any family. The cost for stock will range anywhere from 15 cents to 25 cents per tree. One crop, on one tree for home consumption, will be worth the first cost of all the trees. The peach being a rapid grower will, perhaps, stand more abuse than any other fruit tree grown in Kansas. They should be

SOFT AND GOOD

You want a work shoe that comes up to your estimate of what a work shoe ought to be—a shoe that looks good, feels good, wears good—"The Soft and Good" shoe.

You'll never be disappointed with "Soft and Good" shoes because they are "Star Brand" shoes. They are of medium weight, but built to stand hard service anywhere.

And they look good enough to wear to town or to church on your days of rest. The uppers are of the best glove tanned Elk skin leather, and the soles, heels and counters are of first grade oak-tanned leather.

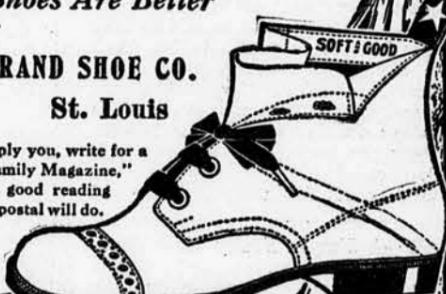
We are proud of the reputation of "Soft and Good" shoes. Other manufacturers compliment us by claiming their shoes are just as good, but don't be fooled—get the genuine "Soft and Good" shoes, with the "Star" on the heel. "Star Brand" shoes are made in over 600 styles—every pair of good, solid leather. No substitutes for leather are ever used.

"Star Brand Shoes Are Better"

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ROBERTS, JOHNSON & RAND SHOE CO.
 Capital Five Million Dollars. Twelve Big Factories. St. Louis

Ask your dealer. If he can't supply you, write for a free copy of the "Star Brand Family Magazine," showing 92 styles. Lots of good reading and valuable home helps. A postal will do.

Star on Every Heel



IN EVERY STATE
 From New York to California, Dealers Sell and Recommend

PEPSECO

Alfalfa Timothy Millet Cane Clover Ky. Blue Grass

PEPSECO BRAND Seeds are the highest quality money can buy. They are more carefully selected, thoroughly cleaned and rigidly tested than any other and cost you no more. Ask your dealer for PEPSECO BRAND Seeds. Insist on having them. If he can't supply you, write us.

FREE Valuable book containing information about Alfalfa, Clover and other crops. Sent free for your dealer's name.

J. G. PEPPARD SEED CO.,
 1124 West 5th St., Kansas City, Mo.



OLD RED TOM.
 S. C. RHODE ISLAND RED MALE—A GREAT BREEDER AND WINNER—PROPERTY OF MOORE & MOORE, WICHITA, KANSAS.

planted on upland when possible, and given, the first three years, good cultivation. Trees for spring planting should be ordered immediately. Get 1-year-old trees from reliable nurseries, and get them early so that they may be planted as soon as the ground will permit in the spring. Nothing is gained by planting the extra large trees. A good size to order will be one-half to five-eighth inch trees, and these will be four to five feet tall. Cut back in such a way that the limbs forming the frame of the tree will be two and one-half to three feet above the ground. Keep the trees growing vigorously till midsummer. It is not advisable to encourage a late growth of wood, as this is almost sure to be injured by winter freezing. The following are some of the good varieties that have generally done well in Kansas: Early to midsummer, Greensboro, Carmen, Early Rivers, Chinese Ching and Family Favorite. Midsummer, Mountain Rose, Champion, Old Mixon Free, Old Mixon Cling, Elberta and Crosby. Midsummer to late, Stephenson's Rareripe, Salway, Ward's Late, Chair's Choice, Krummel's October and Levy's Late.

The average life of a peach orchard in Kansas is comparatively short and in order to keep up the supply it will be necessary to add to the plantation from time to time. Therefore, the object of this article is for the purpose of urging the planting of more trees, that the future supply may be ample for the farmers' need. If those who are not familiar with this phase of the subject will make their wants known, the writer will endeavor to answer, as far as possible, such questions as may be submitted.—C. V. HOLSINGER, Horticulturist, Kansas State Agricultural College, Manhattan, Kan.

If you are an officer in your local Grange and nobody kicks at what you are doing, you may be sure you are not doing much. A kick is disagreeable, but it is a necessary spur to good work in many cases. When nobody kicks it is time for you to look carefully into your work and see what is the matter.

SCOTTISH CHIEF OATS

Biggest yield, weight and size; imported by us from Scotland seven years ago, is suited to all soils and climates. The grain is of largest size, full and plump, pure white and very heavy. Runs 40 to 42 pounds per bushel. The stem is exceedingly strong—holding these enormous heads of grain without breaking or lodging. Stand drought, free from rust. Fine appearance and remarkable weight always bring the top market price. Price pk. 60c, per bu. \$1.50, per 2½ bu. bag, \$3.50

PRIDE OF MINNESOTA CORN

The result of years of experiment; a perfect variety for the North and West. King of the Yellow Dent Corn. This is the heaviest yielding and earliest maturing with small cob and large kernels. A trial will convince you. Sold in sealed packages only. None genuine without our stamp. Pt. 20c, qt. 30c, postpaid; pk. \$1.00 by express.

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Big Catalog FREE

Over 700 illustrations of vegetables and flowers. Send yours and your neighbors' addresses.

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TOMATO FIGS

A beautiful and valuable novelty much used for making figs. Plant grows in bush form, literally covered with fruit. The skin and flesh are a rich golden yellow, solid, thick-meated, with a pleasant flavor. When canned or dried, in sugar, like figs, make excellent pies or tarts for winter use.

For Only Ten Cents

We will send packet Tomato Fig Seed and a Surprise Packet of other new seed in a 10c. rebate envelope, which when emptied, will be accepted as 10c. payment on any order for seeds in our 1912-3 color catalogue which is included FREE. Order today.

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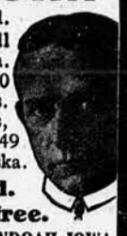
DON'T PLANT OLD CORN

or weak, wormy, frozen seed.

ARMSTRONG CORN will grow. 95 bus. per acre Ia. Agr. College; 75 bus. Kans.; 70 bus. Missouri; 75 bus. Illinois. 1st Premium S. Dak.; 24 acres, 1900 bus. Wisc.; 110 acres 8749 bus. Iowa. Success in Nebraska.

Don't Risk Poor Seed.
 Descriptive Seed Corn Bulletin free.

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We have for spring delivery a general line of nursery stock. Apple, crab apple, pear, cherry, plum, peach, apricot and quince trees, grape vines, berry plants, rhubarb, asparagus, roses, flowering shrubs, Catalpa Speciosa and Black Locust. Certificate of nursery inspection with each shipment.

J. W. HINSHAW, Prop., Eureka, Kan.

TEN ASSORTED APPLE TREES, 10 peach, 10 cherry, 5 pear, and 5 plum trees prepaid to all points in Kansas and adjoining states for \$5.00. Free catalog of fruit trees, berry plants, shrubs and flowers.

Holsinger Bros., Rosedale, Kan.

TIMBERLOT—Start now. Norway Poplar cuttings \$3 per 1000. Quickest grower, fine timber. Orngogo Flower Gardens, Carthage, Mo.

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I guarantee that every reader of this paper who sends for my new 25th annual catalogue will be glad he did so. Bigger and better than ever before—128 pages filled with exceptional choice to get the best stock at lowest prices. If you want the best, see what we can sell you in Vegetable, Flower, Grass and Farm Seed, Upland-grown Alfalfa, Clover, Seed Potatoes, Corn or Grain, Fruit and Forest Trees, Small Fruits and Flowering Shrubs. Freight paid on \$10 tree orders.

Exceptional bargains in a carefully selected list of flower, garden and small fruit collections. I give personal attention to all orders, no matter—little or big. Write to-day.

GERMAN NURSERIES AND SEED HOUSE
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TREES AND SEEDS THAT GROW

Carl Sanderogger, President

SEED CORN 146 BU. ACRE

DIAMOND JOE'S BIG WHITE—A strictly new variety. None like it. It is the Earliest and Best Big White Corn in the World—because it was bred for most Big Bushels, not fancy show points; because grown from pure inherited stock; every stalk bearing one or more good ears, because scientifically handled, thoroughly dried and properly cured and had the most rigid inspection. Also all leading standard varieties at FARMER PRICES. **OUR BIG ILLUSTRATED FARM AND GARDEN SEED CATALOG** mailed FREE. A postal card will bring it to you. Write for it today. Address, **RATEKIN'S SEED HOUSE, Shenandoah, Iowa, Box 69**

ALFALFA

Seed is sold by numerous persons; but there is a vast difference in quality which often determines the success or failure of a field. A too large portion of the seed sold is of uneven quality. You can profit by the benefit of our 20 years experience in growing and handling Alfalfa seed. Acorn Brand costs a trifle more than some grades, but is worth many times the difference. Valuable information, Seed Book, samples and prices are yours for the asking.

Ross Brothers Seed House, 317 E. Douglas, Wichita, Kan.

ZILLER'S PURE-BRED SEED CORN LEADS.

I have found out by years of work and experience the best varieties for this country and the best methods of producing and taking care of seed corn properly. Five leading varieties—Hiawatha Yellow Dent, Reid's Yellow Dent, Boone County White, Legal Tender and Farmer's Interest. Also full line of garden and field seeds, raised and gathered under my personal supervision. Write for illustrated catalog.

John D. Ziller, Hiawatha, Kansas.

TRENT'S Seed Corn

First prize six consecutive years at Manhattan—State Corn Show—proves I have best strains Seed Corn in the West. Reid's Yellow Dent, Boone Co. White, fire dried, tested and guaranteed. Pure Red Texas Oats, Clover, Timothy and Alfalfa Seed. Write for free catalog. Every farmer will find it of interest.

S. G. TRENT,
 Box K, Hiawatha, Kansas.

The GRANGE

DIRECTORY OF THE KANSAS STATE GRANGE.

OFFICERS.

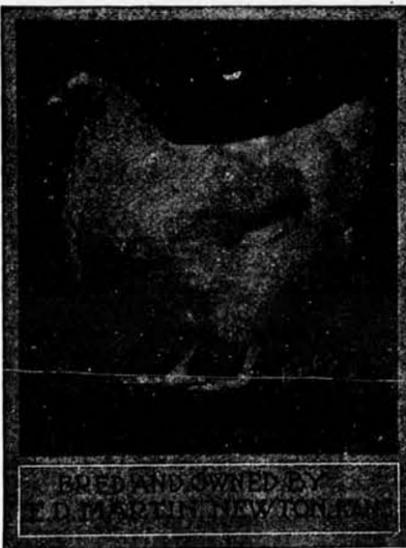
- Master.....George Black, Olathe
- Overseer.....Albert Radcliff, Topeka
- Lecturer.....A. P. Reardon, McLouth
- Secretary.....O. F. Whitney, North Topeka
- Chairman of Executive Committee.....
-W. T. Dickson, Carbondale
- Chairman of Legislative Committee.....
-W. H. Coultis, Richland
- Chairman of Committee on Education.....
-E. B. Cowgill, Lawrence
- Chairman of Insurance Committee.....
-I. D. Hibner, Olathe
- Chairman of Woman's Work Committee.....

Do you know that the farmers' vote elects 90 per cent of our congressmen? These officers are absolutely dependent on the farmer and his vote for the responsible positions which they hold, and they owe it to their electors to pass such laws as shall benefit them. Let your congressman know what you want, and do not let him forget that he is your hired man.

Over in Ohio each local Grange appoints an active and responsible man to be a member of a permanent legislative committee. These appointees represent the whole Grange interests before the legislature. The method commends itself and results are sure to follow.

Instead of buying seed corn each year and depending on the statements of those who sell it, why not establish a seed corn plat of your own and do a little corn breeding yourself? Buy the best seed from the best-known dealer, and after planting see that the plat has every care. If you fail in getting seed you will have a good plat of corn anyhow, and if you succeed you will have better seed for your own use and possibly some to sell to your neighbors. At any rate the seed plat will add a new interest to your farm operations.

There are thousands of new officers in the various Granges who are taking up the work of the year, and in many cases they are new and untried in their responsible duties. The success of the greatest farmers' organization in the world rests, to a very large degree, in the hands of the Grange officers. This



WHITE ORPINGTON HEN.

ONE OF THE GOOD ONES, AND A PRIZE WINNER, IN THE YARDS OF E. D. MARTIN,

does not mean that they shall do all of the work, but that they shall be the moving spirit which leads on to good work. Get busy, get enthusiasm, get ginger into your work and your Grange will excel.

On Tuesday, December 26, Contention Grange was organized in Battle Hill Township, McPherson County, by National Grange Organizer Charles B. Hoyt, with several members present and assisting from Hawkeye Grange of Canton. A good charter list was secured and the following officers elected: Master, George T. Johnson; Overseer, William Hager; Lecturer, Mrs. Emelia Hager; Steward, D. Keeper; Assistant Steward, Charles Johnson; Chaplain, E. F. White; Treasurer, John Cunningham; Secretary, Frank Wiles; Gate Keeper, V. T. Webster; Ceres, Mrs. G. T. Johnson; Pomona, Mrs. M. E. Keefer; Flora, Mrs. J. W. Cunningham; Lady Assistant Steward, Miss Mabel Schultz. The second and fourth Tuesday evenings were selected for their regular meeting. At their next meeting, January 9, Mr. Hoyt expects to install the officers and assist in the work.



DS'RESPLENDENT TOMATO

of all colors, green, white, lemon, pink, yellow to deep ruby-red, borne on the same wonderful abundance. Showy and attractive in description. Plant dwarf, stout, upright with foliage. Fruit large with more solid flesh and seed cavity than any other. By all odds the most beautiful, novel and distinct at 10c. per pkt., 3 pkts. for 25c.

Each packet of seed we mail a booklet which shows how to grow and use Tomatoes. One hundred tips for cooking and using the fruit are given, entirely new. Also Catalogue of Flower and Vegetable Seeds, Plants, Shrubs and rare new Fruits mailed to all who apply. We offer many startling prices, including the most beautiful and unique Dahlias, Aster, Celosia, Sweet Corn, Melons, and Gladiolus yet seen. Liberal premiums, and Universal Coupons given. Address: N. LEWIS CHILDS, FLORAL PARK, N. Y.



OUR FERNS FOR YOU

Will make up set of four ferns from the following kinds: Whitman, Ostrich Plume, Elegantesima, Scotti, Sprenger, Plumose Lace Fern. Being more beautiful for the home than ferns. We have a beautiful collection of four ferns if you send \$5 cents for one year's subscription to People's Monthly and 15 cents additional (40 cents in all) today and you will receive the ferns charges paid. People's Popular Monthly, Dept. 10, Des Moines, Iowa

TREES

of all kinds at wholesale prices. We save you 40 per cent, and ship only vigorous, thrifty stock, well rooted. This year's stock best ever. Everything absolutely

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We are leaders in Quality and High-grade at lowest prices. Certificate of inspection with each order. Buy from us at first hand and get better trees for less money. Write for our free FRUIT BOOK and Special Price List today.

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BLACKBERRIES

Prove moneymakers everywhere. They are a sure crop of easiest culture. Sell well on all markets because they make such fine preserves. Also delicious table fruit. Grow plenty of them! Never enough offered in any market.

6 Strong Plants Post-paid 10c

Mercer Blackberries are extra hardy and drought resisting. Bear big crops when other sorts fail. The best plant bargain of the season.

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SAVE 1/2 TREES
You can get better trees at an enormous saving by buying direct of the grower. We pay freight. Apple—one year tops on three year roots, 80c per 10, \$70 per M. Other fruit in proportion. No agents. We guarantee satisfaction on every order. Will send a new Strawberry Plant, "Red Monarch," for testing, on request. **Free** Galbraith Nursery Co. Box 58, Fairbury, Neb.

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Some Practical Courses Not Found Elsewhere Des Moines, Iowa



The last half of the present school year at Highland Park College will open February 20th. Students may enter all departments of the College at that time practically as well as at the beginning of the school year.

College Courses Opportunity will be offered for special courses in all grades of College work, including the Classical, Scientific, Civil Engineering, Electrical Engineering, and Mechanical Engineering Courses.

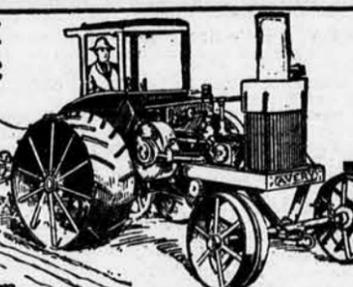
Normal and Preparatory Courses Beginning and advanced classes will be organized in all Normal, Primary Training and Preparatory subjects. Classes will be maintained in all subjects required for any grade of certificate.

Pharmacy Beginning and advanced students will be admitted to both the regular Ph. G. and the Practitioners' Courses in Pharmacy. This is the best time of the year to enter the special Iowa Course in Pharmacy.

If you are interested in any of the courses named above, you should write for catalogue and special information relative to courses offered, accommodations and expense. State course in which you are interested. Address: **O. H. LONGWELL, Pres., Highland Park College, DES MOINES, IOWA**

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AVERY Gas Tractor

Built for threshing and general farm work on ordinary size farms anywhere. Light weight—only about 11,000 pounds—won't pack the ground. Pulls from four to six plows; also discs, harrows, levelers, seeders, binders; drives threshers and other belt machines. Simplest tractor built. Every farmer should consider power farming seriously. Here's the book that tells how YOU can farm with power. It's free. Find out what an Avery Tractor and "Self Lift" Plow will do for you. Ask for Avery Tractor and "Self Lift" Plow Book. Tell us what work you have to do, how many acres you farm and how many horses you use. Write today. Address: **AVERY COMPANY, 1400 Iowa St., Peoria, Ill.** Also manufacturers of Avery Gas Farm Trucks, Undermounted Steam Traction Engines and "Yellow Fellow" Threshers.

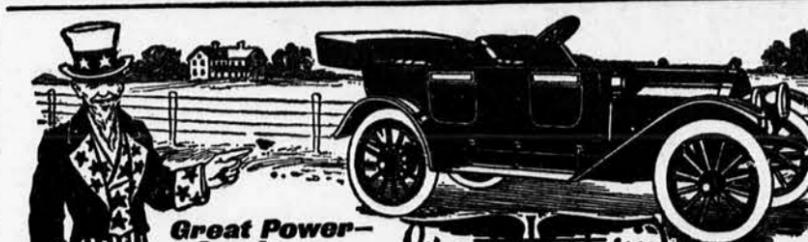
Heider Eveners

Make the hard farm work easy. They save you time which means money. They are easy on your horses because they distribute the load so every horse pulls an equal share. Prevent abuse and injury to your horses. Thousands of farmers have tried and tested Heider Eveners in every way, under all conditions and on all kinds of work. Found them satisfactory, and now recommend them "Best of All."



Work right with out side draft. Are made for 2, 3, 4, 5 or 6 horses. The Heider 4-horse plow evener with our extra clevises for attaching to all plows, works four horses abreast on gang, sulky or disc plow, one horse in furrow, three on unplowed ground. Heider 3-horse wagon evener for wagons, manure spreader, grain drill or any other implement with pole. Just the thing for your wagon to pull hay-loader.

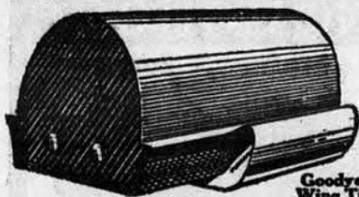
Ask Your Dealer For Heider Eveners. If he has none in stock, don't accept any other. Write us for free catalog and we will tell you where to get them. You will be more than repaid for the trouble, because there are none so good, none so satisfactory as Heider Eveners. We also make doubletrees, singletrees, neckyokes, etc. Address: **HEIDER MFG. CO., 470 Main St., CARROLL, IOWA**



Great Power—Good Looks—Low Up-Keep **Great Western** **FORTY** \$1600 \$1750
The 1912 Great Western "40" is in every way a car for the farm. Champion hill climber, wins in all tests. Powerful, full value 40 H. P. engine, strong construction for hard use. Beautiful straight line body finished with brilliant and wear-proof surface. Large seats, plenty of room. All latest features: Self-starter, detachable fore-doors, Typhoon signal horn, all door handles on inside, electric headlights, demountable rims, gasoline gauge, large tires—everything of the best. Great Western cars chosen by the United States Government for the Indian service out West—a great recommendation. Send for copy of our fine new 1912 Art Catalog and we will put your name on list for free subscription to "The Tattler," our breezy little monthly magazine, full of automobile hints. **GREAT WESTERN AUTOMOBILE COMPANY, Dept. W, PERU, INDIANA**

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This is good stuff. We guarantee it to please you. Our supply is limited. Price, shelled and graded, per bushel, \$2; in the ear, crated, per bushel, \$2.50.
F. M. RIEBEL & SON, Arbela, Mo.

"MORTGAGE-LIFTER" CORN
The best 100-day Corn in existence. Biggest grains and smallest cob. Tops the market. Grows anywhere and stands wet or dry weather better than any other. Send for Free Sample and big 100-page Seed Book. **ARCHIAS' SEED STORE, Box 17, SEDALIA, MO.**



You Ought to Put Rubber Tires on Your Carriage

Think how comfortable a rubber tired carriage is! Think how much longer your carriage will last when equipped with easy-riding rubber tires! And how greatly rubber tires will improve the appearance of your carriage and your driving team!

Rubber tires don't cost much. And good ones last a long time. Why not put rubber tires on your carriage?



People everywhere are putting Goodyear "Wing" Tires on their carriages. More Goodyear "Wing" Tires are sold every season than any other kind of rubber tires, because they wear longest. The secret of their amazing endurance lies in the fresh, lively rubber of which they are made, and in the "wing" feature.

Note the "wing"—how it presses against the sides of the channel and completely fills it. It keeps out all water, mud, dust, dirt and gravel, which otherwise would work into the channel and cut out the tire base.

Goodyear "Wing" Tires will fit your carriage. Any dealer can easily put them on. The whole job costs but very little. And once you've tried them you'll wonder how you ever put up with commonplace, hard-riding steel tires.

Our "Eccentric" Cushion Tire

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The State Poultry Show (Continued from page 5.)

in the State Poultry Association naming a committee to work with the committee from the Kansas branch in looking after the matter of appropriation. The committee from the State Association consists of D. D. Colglazier of Hutchinson and L. B. McCausland of Wichita.

One of the surprises of the meeting was the unanimous vote in favor of the comparison system of judging for next year's show. It seems that the breeders are beginning to realize that for large shows the comparison system is the better way of placing the awards.

Too much praise cannot be given to Secretary Borders, city officials, business men and poultry men of Wichita for their untiring efforts in raising money and looking after the many details necessary for the financial success of the show. They were given a vote of thanks by the Association.

The complete list of awards is as follows:

- Barred Plymouth Rocks—Hoyt, 5 ckl, 1, 4 hen, 2 pen; Beauy, 2, 3 ckl; Drinkwater, 1 ckl, 1 ckl, 2 hen; Laney, 4 ckl, 4 pen; Ogden, 4 pul; Lindamood, 4 ckl, 5 hen, 1, 2, 3, 5 pul, 1, 3 pen.
- White Plymouth Rocks—Fair and Spencer, 1, 2, 3, 4 ckl, 3 ckl, 1, 2, 3, 4 hen, 1, 2, 3, 4 pul, 1, 3 pen; Lane, 1, 2 ckl, 4 ckl, 5 hen, 2, 4 pen; Lowrey, 4 ckl; E. E. Spencer, 5 ckl.
- Buff Plymouth Rocks—Waddell, 2, 4, 5 ckl, 5 ckl, 2, 4 hen, 3, 5 pen; Baker, 3 ckl, 1 hen, 1, 2, 3 pul, 2 pen; Alden, 1 ckl, 1, 2, 4 ckl, 3 hen, 4, 5 pul, 1 pen; Hoag & Aldrich, 3 ckl, 4 pen; Castleman, 5 hen.
- Columbian Plymouth Rocks—All to Moore.
- Partridge Plymouth Rocks—Deussenberry, 2 ckl, 2 pul; Moore, 3, 4 pul.
- Silver Wyandottes—Gause, 1 ckl, 1 ckl, 1, 4, 5 hen, 2 pul, 3 pen; Hubbard, 2, 3 ckl, 3, 4, 5 ckl, 1, 3 hen, 1, 3, 4, 5 pul, 1, 2, 5 pen; Henderson, 2 ckl, 4 pen.
- Golden Wyandottes—Richter, 2, 3 ckl, 2 hen, 2, 4 pul, 2 pen; Shoop & Son, 3 ckl, 4, 5 ckl, 1 hen, 3 pen; Florence, 1 ckl, 3 hen, 1, 3, 5 pul, 1 pen.
- White Wyandottes—Young, 2 ckl, 3, 4 hen, 3, 4 pul, 2, 5 pen; Stratford, 3 ckl, 4 pen; O'Shea, 1, 5 hen; Jennette & Jennette, 4, 5 ckl, 2, 5 ckl, 2 hen, 3 pen; Moran, 3 ckl; Kornhause, 1 ckl, 1, 4 ckl, 1, 2, 5 pul, 1 pen.
- Buff Wyandottes—Heaton, 5 ckl, 4 hen, 1, 4, 5 pul, 2 pen; Ford, 1 ckl, 5 pen; Stratford, 4 ckl; Wheeler, 3 ckl, 3 pul, 4 pen; Freeman, 1, 2 ckl, 2, 3, 5 ckl, 1, 2, 3, 5 hen, 2 pul, 1, 3 pen; Colglazier, 4 ckl.
- Partridge Wyandottes—Dillenbeck, 1 ckl, 1 ckl, 5 hen, 1, 2, 3, 4, 5 pul, 2 pen; Fowler, 2 ckl, 1, 2, 3, 4 hen, 1 pen.
- Columbian Wyandottes—Holden, 4, 5 ckl, 4, 5 hen, 1, 3, 4, 5 pul, 3, 4 pen; Wattles, 1, 2, 3 ckl, 1, 2, 3 ckl, 1, 2, 3, 4 hen, 2 pul, 1, 2 pen.
- Dominiques—All to Crow.
- Buckeyes—Duboise, 5 ckl, 2 pul; Parker, 1, 2 ckl, 1, 3, 4 pul.
- Single Comb Rhode Island Reds—Brackey, 5 ckl, 4 pen; Morley, 3 pul; Monroe, 4 ckl, 5 hen, 5 pul, 2 pen; Howard, 4 ckl, 2, 3 hen, 4 pul, 3 pen; Moore & Moore, 1, 2, 3 ckl, 1, 2, 3 ckl, 1, 4 hen, 1, 2 pul, 1, 5 pen.
- Rose Comb Rhode Island Reds—Todd, 1, 5 ckl, 3 ckl, 3 hen, 1, 5 pul, 2, 4 pen; Wise, 5 pen; Lindgren, 4 hen; Butler, 2 ckl, 5 ckl, 1 hen, 4, 5 pul, 3 pen; Myers, 2 ckl; Searl, 3, 4 ckl, 1, 4 ckl, 2 hen, 2, 3 pul, 1 pen.
- Buff Orpingtons—McHarg, 5 ckl, 4 pen; Hector, 1 pul; Fleming, 4 pul; Gerrard, 1, 2, 4 ckl, 1, 2, 3 ckl, 2, 3, 5 hen, 2 pul, 1, 2 pen; Wichita Buff Orpington Yards, 4 ckl, 1, 3 hen, 3, 5 pen; Earp, 4 hen, 5 pul; Wilson, 3 ckl; Glover, 5 ckl.
- Rose Comb Buff Orpingtons—All to Cowan.
- Black Orpingtons—Gerrard, 1, 2 ckl, 1, 2 ckl, 1, 2, 3, 4, 5 hen, 1, 2, 3, 4 pul, 1, 2 pen; Colglazier, 3, 4 ckl, 5 pul, 3 pen.
- White Orpingtons—Erwin, 3 ckl; Noyes, 4 ckl, 4, 5 pul, 4 pen; Collins, 5 ckl, 2, 4 hen, 5 pen; Alexander, 2 pul; Vernon, 2, 5 ckl, 1, 2, 4 ckl, 1 hen, 1 pul, 1 pen; Hairy, 1 ckl, 3 ckl, 2, 5 hen, 2 pul, 2, 3 pen.
- Single Comb Brown Leghorns—McDowell, 5 pen; Swedfeger, 1, 2, 3 ckl, 1, 2 ckl, 3 hen, 2, 5 pul, 2, 3 pen; Root, 4 ckl, 3, 4, 5 ckl, 1, 2, 4, 5 hen, 1, 3, 4 pul, 3, 4 pen.
- Rose Comb Brown Leghorns—McDowell, 1 ckl, 1 hen, 1, 2, 3 pul, 1 pen; Cummins, 1 ckl, 2, 4 ckl, 1, 5 hen, 2 pen; Crow, 2, 4 hen, 4 pul, 3 pen.
- Single Comb White Leghorns—Brown Chicken Ranch, 3, 5 ckl, 4 pen; Bradshaw, 1 ckl, 1 pul, 1 pen; Lamb, 4 ckl; Welck, 2 ckl; Shilborn, 3 ckl; Kettering, 1 ckl, 1, 2, 3 hen, 2, 5 pul, 3, 5 pen; Wolfe, 2 ckl, 3, 4 pul, 2 pen; Crow, 4 hen.
- Rose Comb White Leghorns—Dorr, 1, 2, 4 ckl, 2, 5 pul, 1 pen; Lynch, 3 ckl, 2, 4 pul, 2 pen; Crow, 1, 2 ckl, 5 ckl, 1, 2, 3, 4, 5 hen, 1 pul, 3, 4 pen.
- Single Comb Buff Leghorns—Houghman, 2 ckl, 4 pul, 3 pen; rest to Crow.
- Rose Comb Black Minorcas—Fornay, 2 ckl, 1, 2, 2, 4, 5 pul, 1 pen; Crow, 1 hen.
- Single Comb Black Minorcas—Leach, 5 hen, 1, 2, 3, 4 pul; Crow, 4, 5 ckl, 1, 2, 3, 4 hen, 4 pul, 1, 2 pen.
- Light Brahmas—All to Kenworthy.
- Buff Cochins—All to Hoag.
- Partridge Cochins—All to Hunt.
- Black Langshans—Kooz, 5 hen, 5 pul, 3, 4 pen; rest to Palmer.
- Houdans—All to Brown.
- Dark Cornish—Horst, 1 ckl, 4 hen, 1 pul, 1, 5 pen; Bridges, 2, 4 ckl, 2, 5 hen, 3, 4 pul,

2, 4 pen; Alexander, 3, 5 ckl, 1, 3 hen, 2, 5 pul, 2 pen.
Buff Cochins—Hoag, 1, 4 ckl, 2, 4, 5 hen, 2, 3, 4, 5 pul, 1 pen; Ward, 3 ckl; Crow, 1 ckl, 2, 3, 5 ckl, 1, 3 hen, 1 pul, 2 pen.
White Cochins—Ward, 2 ckl, 3 hen; rest to Crow.
Bronze Turkeys—True, 2 ckl, 1 ckl, 1 hen; Kettering, 4 ckl; Perkins, 1, 3 ckl, 2, 3 ckl, 3, 4, 5 hen, 3, 5 pul, 1, 3 pen; Kohl, 4 ckl, 2 hen, 1, 2 pul, 2 pen.
White Holland Turkeys—All to Stevens.
Fekin Ducks—All to Drinkwater.
Otis Crow was the only exhibitor and winner in the following classes: Silver Gray Dorkings, Red Caps, Black Hamburgs, Black Spanish, Rose Comb Black Bantams, Japanese fowls, Black, Silver and R. C. Buff Leghorns, Anconas, Blue Andalusians and Spanish.

Raising Market Poultry (Continued from page 6.)

be able to cure sick chickens, but that he may know how to keep chickens healthy and thriving.

I will not enter into the question of poultry diseases and their cure, because it seldom pays to doctor fowls after they become sick, but the remedy should be used on the well flock, from which the sick ones came, and as there is always a reason, it should be looked for and corrected.

INCUBATORS, BROODERS AND HENS.

I do not consider the incubator and brooder as a competitor of the hen, but only as an aid. The hen is very useful to incubate a few eggs and give the chicks a good start in the knowledge of rustling for a living. If you have eggs from a certain hen that you wish to hatch separate, so as to mark the chicks, a broody hen is very handy, but if you wish to raise a large number of chicks, incubators and brooders may be used, thereby saving a lot of time and labor. This enables the chicks to start in life free of lice, which is rarely the case when hatched by a hen.

As it would take up too much space to go into detail on the above subject, I have merely touched briefly on the main points to consider, and hope the readers may get some pointers from this article that will encourage and help them in raising market poultry.



SOME OF THE POULTRY YARDS AT KANSAS STATE AGRICULTURAL COLLEGE.

We are somewhat proud of this issue of KANSAS FARMER—our annual special poultry number. We promised to make this the best poultry edition ever put out by any farm paper. We believe we have fulfilled our promise. A great many more articles and pictures—just as interesting and instructive as those which appear in this issue—were received, but it was impossible to use all of them in one week. They are all good, and will appear from time to time in our regular poultry department.



BUFF ORPINGTON COCK.

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- 22 Building Material
- 23 Stoves and Ranges
- 24 Underwear Samples
- 25 Automobile Supplies
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KELLERSTRASS CRYSTAL WHITE ORPINGTONS.—Prize winners, birds scoring 92 to 94. Eggs, \$2.50 per 15. Day old chicks, \$3.00. Satisfaction guaranteed. A. H. VanDerhoff, Neodesha, Kan.

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PARTRIDGE WYANDOTTE EGGS FROM ten pullets mated with cock; average score, 93½. Four pullets laid 360 eggs during January, February, March, April, 1911. \$5.00 per 15. Cockerels for sale. J. Dillenbeck, Eldorado, Kan.

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BUFF COCHIN COCKERELS, BUFF Cochins Bantams, Muscovy and Rouen Ducks. Gartner Bros., Coleridge, Neb.

EGGS FROM WINTER LAYING, PRIZE winning Reds, Barred Rocks, and Runner Ducks. Fertility guaranteed. Mrs. W. B. Divine, Lamar, Mo.

TURKEYS.

WHITE HOLLAND TURKEYS—TOMS, \$4; hens, \$2. S. F. Crites, Florence, Kan.

W. H. TOMS, 18 LBS. AT 5 MO., EACH \$5. Cora Trapp, Wa Keeney, Kan.

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FOR SALE—MAMMOTH WHITE HOL-land turkeys, sired by a 45-lb. tom. Miss Lillian Schaal, Lexington, Mo.

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FEW CHOICE M. B. TURKEY COCKER-els. Won two first, one second, on three turkeys entered at late Kansas State Poultry Show. Satisfaction guaranteed. Eggs booked now. Mrs. J. C. True, Oatville, Kan.

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RHODE ISLAND RED, BUFF ORPING-ton cockerels, \$1, \$2 and \$3 each; satisfaction guaranteed. Mrs. F. A. Fulton, El Dorado, Kan.

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EXTRA BIG BONED PRIZE WINNING deep red R. C. Reds, score 91 to 94. Cockerels, pullets, eggs, circulars. Highland Poultry Farm, Hedrick, Iowa.

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J. E. TARBET, COUNTY CLERK, GRANT County. Taken up, on the 23rd of December, 1911, one horse, 12 hands high, weight 700 pounds; color brown; harness marks; appraised value \$25. Was taken up by Dr. G. H. Breaves, Doby, Sullivan Township, Kan.

J. L. SOURK, COUNTY CLERK OF NE- maha County. Taken up—By C. M. Sourk, Coffey, Kan., on January 2, 1912, two steers, 2 years old, red, mules; \$37.50 each.

STRAYED, NOVEMBER 11, ONE IRON gray mare, coming 6, blind in right eye. Earl Burger, Mealo, Kan.

I HAVE TAKEN UP A STRAY COW ON my farm, known as the Mossman farm, one mile northeast of Erie, Kansas. Description: Red roan, will weigh about 700 lbs.; one crooked horn on left side, and blind in right eye; is about five years old. Can be found at the above-named farm. F. C. Currie, Erie, Kan., R. F. D. 2.

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2 acres, very neat new house of 5 rooms, well and hen house, half mile to city and street car, \$2,500.

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MAMMOTH BRONZE TURKEYS— Young toms, \$5; hens, \$3 and \$4; Barred Plymouth Rocks, young cockerels and 2-year-old this summer, \$1 to \$1.75. Eggs in season. Geese eggs, 10 for \$1.25; chicken eggs, \$1.00 per 15. Mrs. Mary E. Gibson, Route 1, Eureka, Kan.

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BUFF PLYMOUTH ROCK EGGS FOR sale. The kind that will pay you because they pay me. Prices friendly. Write me. William A. Hess, Humboldt, Kan.

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BARGAINS IN LANDS

HAMILTON, GREELEY, KEARNEY COUNTY LANDS.

Good, dark loam, smooth soil, no rock or sand hills, irrigated or unirrigated, large or small tracts in alfalfa, wheat, beet, broomcorn lands, where cattle, horses, sheep raising is very successful. Who wants a home of their own? Mr. Homeseeker or investor, let us hear from you in regard to what you are looking for, and full particulars, prices and literature will be sent free. Good terms and honest prices. Write or call and see.

HOSTETLER & COMPANY, Syracuse, Kansas.

WE TRADE OR SELL ANYTHING ANYWHERE. The Realty Exchange Co., 18-23 Randall Bldg., Newton, Kan.

TRADES—EXCHANGES—TRADES—If you really want to trade your property, write Owners' Exchange, Salina, Kan.

ESTABLISHED 1886—Write for free list. Park H. Thornton, Real Estate Dealer, Coldwater, Comanche Co., Kansas.

Jewell County—320 acres, 5 1/2 miles from Esbon; good improvements. Must sell quick. Address J. A. Cole, Esbon, Kan.

Middle Florida limestone belt has clay-loam soil; land, \$10 acre up. Write Capital City Realty Co., Tallahassee, Fla.

WANTED—Farm in northeast Kansas in exchange for well improved 320 in Washington Co. Write Lock Box 71, Morrowville, Kan.

800 ACRES for sale or exchange; well improved, alfalfa; want smaller tract or hdw. and implement stock. For full particulars address R. R. Box 30, Wayne, Kan.

EASTERN KANSAS BARGAINS—Improved stock, grain farms; \$20 to \$65 per acre. Write; list free. J. E. CALVERT, Garnett, Kan.

WE HAVE a nicely improved 285-acre farm 3 miles from Garfield, Kan., that we can sell you, worth the money, or trade for a good stock farm in east part of state. Kimmel & Garth, Larned, Kansas.

FOR TRADE—160 a. in Saline Co., 2 miles of town, 120 a. in cult., 9 room 2 story house. Price, \$10,000; mtg., \$3,750. Want land in Northwest Kansas. Address, M. W. Cave, Salina, Kan.

TRADES WANTED We want to list properties that owners want to exchange. Write your proposition to Owners Exchange, Salina, Kan.

BUY YOUR HOME NEAR CHANUTE, KAN. where you get good land, fine market, delightful climate, at \$30 to \$50 per acre. Write today. Home Investment Co., Chanute, Kan.

LANDS FOR EXCHANGE—Some good propositions for sale or trade in this locality. Offer us anything good. Write for descriptive book on Meade county, with prices. MARRS & DAY, Meade, Kan.

FARMS AND RANCHES for sale or trade. Corn, wheat, alfalfa and pasture land at from \$10 to \$40 per acre. You should buy now. Let us tell you why. Sperry & Olson, Hill City, Kansas.

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.

NO. 65—280 ACRES, adjoining Coldwater, 200 in wheat, 1/2 600, second bottom land fine for alfalfa, full set improvements. For quick sale \$45 per acre. Easy terms on half. TAYLOR & BRATCHER, Coldwater, Kan.

I AM OFFERING one of the best little farms in Barton County for only \$125 per acre. There are 15 1/2 acres, 8-room house, barn for 16 head of horses and 40 tons hay; 9 acres good timber, 100 fruit trees of all kinds, 24 acres alfalfa which cut 4 tons per acre last year. Half cash, balance to suit. This will go quick. L. A. Harper, Co-Operative Realty Co., Holsinger, Kan.

EASTERN KANSAS FARM BARGAIN. 160 acres, 2 miles from Osage City, Kan., 100 acres under cultivation, 1 acre orchard, balance native grass pasture and meadow, farm all smooth, 8 room house (new), good cave, new barn 20x30 feet, with loft, cow barn, hen house, corn crib, hog and cattle sheds, good water, close to school; all good alfalfa land. This is a bargain. Price, \$55 per acre until Feb. 15. J. C. RAPP & CO., Osage City, Kan.

WHY RENT? For Sale—160 acres 3 mi. Humboldt, Kan., all river bottom, don't overflow; guaranteed no better soil in Allen County. All in cultivation but 15 acres, which is in timber and hog pasture; 90 acres in wheat; 23 acres clover; extra good 6-room house with basement, barn 30x40, hay barn 20x60; no rock. Guaranteed all fine alfalfa land. Price, \$9,000, one-half cash, balance 3 years at 5 1/2 per cent. Sale by owner. H. HOBART, IOLA, KAN.

80 Acres. All Alfalfa! My beautiful home place, 1 1/4 mile of Co. seat, on auto road; 1 mi. of large school; large new buildings, orchard, grove at house, all irrigated, plenty water. Sell over \$2,000 in alfalfa yearly. Finest climate in state, beautiful to irrigate when sun shines. Woven wire 5-ft. fence all around. Been listed at \$225 per a. For quick cash sale, \$200 per a. Will pay all expenses of visit if not as represented. Close to Ordway. Write Owner, Iowa Farm, Ordway, Colo.

FOR SALE 1,700 acres of my 4,400-acre ranch in Kearney County, Kansas, on the Arkansas River and Santa Fe R. R.: 700 acres alfalfa land, 100 acres in alfalfa; all fenced with three and four wires; 5-room frame house, stone basement; barn 25x50 feet, part stone basement; stock sheds with iron roof, all well built and 300 yards south of Sutton Flag Station; wells at house, barn and in pasture. Reason for selling: Too big for my foreman to look after. John Shinkle will show place. Price, \$20 per acre net to me. Can be in payments. H. SMALLEY, Springfield, Mo.

80 ACRES choice irrigated alfalfa land near Lamar, Colo.; easy terms. E. C. Keyes, Owner, Hutchinson, Kan.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, El Dorado, Kan.

\$14 PER ACRE BUYS imp. 500 a. tract; close market, some cultivation, bal. meadow, and pasture. Foster Bros., Independence, Kan.

1,000—FARMS—1,000

Everywhere for Exchange. Get our fair plan of making trades all over the United States. Graham Bros., Eldorado, Kan.

100—FARMS—100

Improved and unimproved, at bargains. Desirably located. THOS. DARCEY, Real Estate and Insurance, Offerie, Kan.

PAY CASH FOR LAND.

Want to buy, 10 level quarters western land. Will pay \$500 cash per quarter. Give full particulars. Write W. A. LAYTON, New England Building, Topeka, 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.

Must Sacrifice my fine farm, \$6,000; \$3,000 cash. I must have the money in 30 days or lose out, therefore I'll make you a present of \$2,000. Garden spot of Kansas. G. SEEMANN, Tyro, Kan.

TRADE LAND FOR AUTO

or Topeka or Kansas City property, 80, 160 or 320 acres in Ellis county, Kan.; good wheat land, unimproved, fine blue stem grass; easy terms; very cheap, \$25 per acre. GARLINGHOUSE REALTY CO., Topeka, 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.

WANT A LOCATION?

I can sell or exchange your farm for you for another farm, city property or business of any kind. If you wish to change location give me a full description of what you have to offer, what you want and where you want it. Owners only. CARL M. COOK, Limon, Colo.

BUTLER, HARVEY AND SEDGWICK BARGAINS—Come and buy this fine fruit farm, 80 a., 3 mi. from town, all tillable, 14 a. pasture, alfalfa, fair improvement, 3 a. small fruit, 1,500 fruit trees, only \$5,500; terms. Special inducement for cash. Exchanges of all kinds. Write for particulars. Eberhard & Mellor, Whitewater, Kan.

THE BEST TOWN TO LIVE IN.

If you would like to live in the most beautiful city in the West, with unsurpassed educational, 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.

ESTATE FOR SALE.

Buy direct and save commissions. 460 acres of fine valley land; 3 miles from county seat, best town in the gas belt. Gas belongs to land; revenue of \$250 to \$300 per year. Well improved; nice house, large barn; 160 acres now under cultivation, balance fine blue stem meadow and pasture. Want to sell by March 1. Quick cash price, \$45 per acre. Lock Box No. 926, Fredonia, Kan.

GOVERNMENT FARMS, FREE.

Official 100-page book, FREE GOVERNMENT LAND, describes every acre in every county in United States; contains township and section plats, Maps, Tables and Charts showing inches rainfall annually, elevation above sea level by counties, homestead and other government land laws, tells how and where to get government land without living on it; United States Patent, Application Blanks, all about government irrigated farms and necessary information to procure government land. Price 25 cents, postpaid. Address Homeseeker Pub. Co., St. Paul, Minnesota.

ACT QUICKLY FOR THIS.

Farm of 240 a., 7 mi. from city, all fenced and cross-fenced, 90 a. in cult., 50 a. hog-tight, bal. native grass meadow and pasture. Fine 2-story house, good barn, feed lots, cribs, etc.; large bearing orchard; plenty of good water; half mi. to school, good road to town. Easy terms. \$30 per a. Fine bargain. Write quick. W. A. NELSON, Fall River, Kan.

DO YOU WANT TO MAKE MONEY?

A reservation of fertile valley land is now open in Mexico. Homesteads free. Only requirement is to have five acres planted within five years. An authorized Improvement Co. will plant the bananas and market them on shares. Your share should bring \$200 per acre annually. Apply immediately. Address the Rio Tonto Land Co., Block 421, Greensburg, Pa. They are distributors for the U. S. The land lies between the river and railroad. Climate fine, eternal spring, never hot—never cold. Abundant rainfall. Three crops a year. You need not go to Mexico.

A FINE FARM AND STOCK RANCH.

Cannot be beat for cattle and hogs; 2,000 acres, 800 cult., half bottom land, 170 in alfalfa, 100 fine prairie hay land, 300 in wheat, all fenced, 200 acres hog-tight, pasture is some rolling, has fine running water in every pasture, crib room for 16,000 bushels ear corn and 12,000 bushels wheat, 3 sets good improvements, cost \$7,000; lots of shade trees. This ranch will carry 500 cattle. Located 4 miles from one of the best towns in Kansas. Price, \$55 per acre. We have other farms for sale. Call JOHN F. MOORE, Kingman, Kan.

IF YOU WANT A FARM BARGAIN or a trade, write Buckeye Agency, Agricola, Kan.

Bargains in improved farms, outover lands and timber. Winston McMahon, Conroe, Tex.

80 ACRES—Four miles from Muskogee, Okla. (30,000); house, barn, land good. A. H. Harshan, Junction City, Kan.

40 ACRES, 4 mi. from Kosoma, Okla., clear, all plow land, to exchange for restaurant stock, clear, well located. J. A. Kasparek, Belleville, Kan.

I HAVE SOME OF THE BEST BARGAINS in Eastern Kansas that can be found for sale. Tracts range from 5 to 320 acres. Write me at once. C. L. Saylor, Topeka, Kan.

WRITE TO ME TODAY about good, low-priced Ness County farms. The literature I will send you will interest you if you are looking for a home or an investment, otherwise it won't. Your request on a postal card brings it. C. H. Brassfield, Ness City, Kan. "22 years in Ness County."

BEST THING TO BUY.

80 acres, all tillable; 65 acres in cultivation, 8 acres in alfalfa, 10 acres pasture, young orchard, new 5-room house, closets, bay window, small barn, granary, cement cave, fine well, fenced, 1 1/2 miles from first station from here; land close from \$80 to \$100 per acre. Owner going to Oregon, says take \$75 per acre. Putney & Dunn, 318 E. Douglas, Wichita, Kan.

Considered the Best upland 80-acre farm in Montgomery county; very highly improved; fenced and cross-fenced, hog-tight; fine black soil, positively no waste land. Only 1/2 mile to shipping point. Improvements are valued at \$3,500. My price on this excellent farm ONLY \$5,000. J. D. KRAMEE, Independence, Kan.

FOR SALE OR TRADE.

Fine 180-acre farm close to county seat in Bates County, Missouri, 70 miles south of Kansas City, Mo. Highly improved, rich land, no waste. Owner professional man, too busy to see to farm. Will sell for cash, or accept part in trade in western Kansas land or city property, and give easy terms on balance. For terms and kodak views write owner. Lock Box 172, Butler, Mo.

JOHNSON COUNTY STOCK FARM.

100 acres with \$6,000 worth of new improvements (can sell 100 acres more of adjoining land). Big 7-room house, big cellar, closets, bath room and pantry. Main line gas. Horse barn 36 x 36 x 18 with shed 16 x 36. Hog and cow house 16 x 30 x 12 with shed 24x30. Hay barn 24x60 with two sheds 16 x 60 containing self feeders. Cement silo 16 x 30, 80 acres hog tight, wells, corrals and creek handy to buildings. 150 acres tillable, balance creek bluegrass pasture. A bargain if taken before rented March 1. \$120 acre. Terms. Owner, H. C. Williams, Edgeron, Kan.

NEW MEXICO LANDS

MEXICO TROPICAL LANDS—Good for home or investment. Excursion monthly. Write for maps, books, testimonials. Mexican Isthmus Land Co., Grand Temple, Kansas City, Mo.

RANCH FOR SALE—4,300 acres patented in New Mexico adjoining Colorado line, controlling 20 miles running water, modern stone residence with hot and cold water, bath, stone ware houses, barns and corrals, mostly fenced. Price only \$10 an acre. Goke-Blackwell & Lawrence, Inc., Clayton, N. M.

1260 ACRES BOTTOM LAND, partly in alfalfa and orchard, nearly all under fence, 200 acres under cultivation now, balance finest grazing land in the country. Elegant 6-room stone house, hot and cold water, bath room, stationary wash stand, also with hot and cold water, toilet also in bath room, two large barns, large hen and turkey house, stone milk house, running water, waterworks all over the improved grounds. Fourteen-foot Sampson windmill, pumps, 4-inch stream to two tanks, capacity of tanks are 100 and 23 barrels, respectively. Ideal home for a family; healthiest spot in the world for anyone to regain their health; only one-quarter mile to Clayton, N. M. Price, to close it out quickly, \$12.50 an acre. For further particulars address Chas H. Lawrence, Clayton, N. M.

FIELD NOTES.

This coop is made entirely of galvanized sheet metal except the floor, which is wood. At night it is closed tight against rats and other vermin, and by day it is easily opened for sunshine and air, using a woven wire front in place of the solid front used in stormy weather and of nights. This coop is free from mites and lice, and those who have used it claim it is just the ideal coop for the hen and her chicks. Write Maurer Mfg. Co., Freeport, Ill., for full description and prices. It is an inexpensive coop, within reach of all.

The Alkin Shropshires.

While advertising Shropshires, especially at this time, the Alkin ranch, at Alkin Station on the Marysville branch of the Union Pacific railroad, is prepared to sell all classes of stock for farmers' use. They have 185 head of good stock cows, a nice bunch of well-bred draft mares, and some good young work mules for sale. These they will dispose of from one animal up to a carload or more. F. T. Grimes, Emmett Postoffice, Kan., is the manager, to whom letters may be addressed, but the visitor can get off the train at Alkin Station, which is on the farm. This is a new idea in handling stock and will be highly appreciated by farmers who want to get a good class of stock but who do not feel prepared to handle pure-bred animals.

Dawson's Big Type Poland China Sale. Phil Dawson, of Endicott, Neb., the breeder of the half-ton Poland China grand champion boar Expansion, will hold a bred

sow sale in Topeka, Kan., on Saturday, February 10. The sale will be held in Gilchrist's feed yard at 620 Quincy Street and under cover. There will be five tried sows, the dams of several herd headers, and they are immune. The 40 gilts have been inoculated with government serum and will weigh 250 to 300 pounds. They were sired by Panorama and Exemplar, both sons of Old Expansion, and by Grant Osborn 58331. They are bred to Monster Look, Panorama Jr. and other good ones for March and April farrow. The usual terms and accommodations. Hogs to be shipped will be crated free. Write to Phil Dawson, Endicott, Neb., for catalog, and mention Kansas Farmer.

Royal Scion Farm.

On February 28, G. C. Norman, owner of the Royal Scion Farm at Winfield, Kan., will sell a draft of his famous Duroc. Mr. Norman has one of the best bred herds in the state, and we believe there is no better blood lines known to the breed. A number of the younger gilts are sired by Col. Scion, he by Chief's Col. by King of Colo., and out of the great sow Helen's Duchess. A large number included in this sale were sired by Crimson Scion, by Crimson Wonder 3rd, and out of Belle Vera by Prince Col. Some of the herd sows of note are Belle Scion by Belle's Chief; Belle Vera and Scion Maid by Top Commodore; Ruby Scion by Improver Lad; Crimson Duchess by Crimson Wonder 3rd; Helress Royal is a litter mate to Crimson Scion. The advertisement will start in our February 10 issue. Please look for it and send for a catalog. Kindly mention Kansas Farmer when you write.

Shuck's Big Duroc Sow Sale.

One of the big Duroc Jersey events of the winter will be the big sale of bred sows and gilts to be held at Burr Oak, Kan., on Saturday, February 17. The offering of 60 head is a draft from the herds of John W. Shuck & Son of Esbon, and Dana D. Shuck of Burr Oak. The Shucks are among the oldest and most successful breeders of Kansas and will have an unusually choice offering at this, their annual sale. The entire lot will be bred for March and April farrow to the four richly bred young boars, Model Chief of Chief's Perfection, he by old Ohio Chief. The dam of Model Chief was Harding's Topsy, by Harding's King of Colo. Quite a number are bred to this boar, and others to Missouri Climax, Pawnee Crimson and Golden Rod King. Missouri Climax is of Missouri Wonder and Climax breeding. Pawnee Crimson was sired by Crimson Wonder 3d, he by the noted prize winner Crim-son Wonder Again. The dam of Pawnee Crimson was the sow Lina K. by B. & C's Col., champion boar at Iowa and Nebraska last year. Golden Rod King, the sire of many of the best gilts, represents the very best breeding of the best known eastern herds and is a very uniform and good sire. These four boars are all good individuals, and the writer believes will make a splendid nick with the kind of females that go into this sale. Included will be a number of sows of outstanding merit and proved value as producers. They go in as attractions. The gilts are uniform and have a lot of quality. They have back of them a line of ancestors that have made the breed famous. The breeding and individual excellence of the offering is first-class, but the strong feature of this sale is the way the sows have been fed and handled, while the certainty of big, strong litters adds materially to the value of the bred stuff the Shucks always sell. Raised and fed under as nearly natural conditions as possible and fed largely upon alfalfa hay and mill stuff, there is no doubt about results. Put this down as one of the bred sow sales to attend. Write early for catalog and note the fashionable breeding. Bids may be sent to field men in care of Mr. Shuck at Burr Oak, Kan.

Meisner Had Choice Offering.

The T. J. Meisner sale, held at Sabetha, Kan., January 23, was the best chance of the season for buyers to pick up good breeding stock. Just a trifle early in the season for big prices, Mr. Meisner's neighbors and old customers availed themselves of the opportunity and were the heaviest buyers. The prices, while not high, were very uniform and Mr. Meisner has the satisfaction of knowing that they will make plenty of money for the purchaser and bring many of them back to his next sale. The average of almost \$40 was not so bad after all everything considered. A list of sales follows:

No.	Name—	Price.
1.	C. F. Lewis, Sabetha, Kan.	\$40.00
2.	M. C. Byrne, Saxton, Mo.	40.00
3.	J. D. Aeschleman, Sabetha, Kan.	56.00
4.	W. Wiltze, Wetmore, Kan.	32.00
5.	J. D. Harter, Sabetha, Kan.	40.00
6.	W. Wiltze, Wetmore, Kan.	37.00
7.	D. C. Aeschleman, Sabetha, Kan.	60.00
8.	W. Wiltze, Wetmore, Kan.	30.00
9.	C. L. Branle, Hiawatha, Kan.	37.00
10.	John Bauman, Bern, Kan.	36.00
11.	George Sauder, Sabetha, Kan.	38.00
12.	George Sauder, Sabetha, Kan.	35.00
13.	Chas. Vandelson, Fairview, Kan.	50.00
14.	Ed Reubensam, Sabetha, Kan.	20.00
15.	John Aberle, Sabetha, Kan.	25.00
17.	George Sauder, Sabetha, Kan.	23.00
18.	George Sauder, Sabetha, Kan.	30.00
19.	John Bauman, Bern, Kan.	22.00
20.	A. C. Aeschleman, Sabetha, Kan.	30.00
21.	W. Winheise, Sabetha, Kan.	29.00
22.	W. Winheise, Sabetha, Kan.	29.00
23.	George Sauder, Sabetha, Kan.	24.00
24.	Glenn Hanson, Sabetha, Kan.	40.00
25.	E. Kitzel, Sabetha, Kan.	17.00
26.	George Sauder, Sabetha, Kan.	27.00
27.	W. Wiltze, Wetmore, Kan.	36.00
29.	Charles Lewis, Sabetha, Kan.	19.00
30.	George Croffoot, Sabetha, Kan.	17.00
31.	Will Winheise, Sabetha, Kan.	34.00
34.	D. C. Aeschleman, Sabetha, Kan.	37.50
35.	Thompson Bros., Marysville, Kan.	22.00
37.	George Croffoot, Sabetha, Kan.	30.00
38.	J. D. Aeschleman, Sabetha, Kan.	55.00
39.	J. D. Aeschleman, Sabetha, Kan.	70.00
40.	Tom Emigh, Sabetha, Kan.	70.00
41.	Will Winheise, Sabetha, Kan.	28.00
42.	Walter Dodson, Dennison, Kan.	45.00
43.	D. C. Aeschleman, Sabetha, Kan.	40.00
44.	J. C. Halderman, Burchard, Neb.	35.00
45.	D. C. Aeschleman, Sabetha, Kan.	23.00
46.	Jonas Blar, Sabetha, Kan.	38.00
47.	Ed Reubensam, Sabetha, Kan.	67.00

HORSES AND MULES

DR. W. H. RICHARDS

Importer of
DRAFT HORSES

Importation arrived September 10, 1911. I have selected them personally, and have the pick of Belgium and France's 2- and 3-year-olds. All were selected for good breeding, soundness, bone and individuality. All good colors and will make ton horses. Every horse absolutely guaranteed. Anyone looking for a first-class **STALLION** at very **REASONABLE** price should come and see them before buying. **Barns Four Blocks from Santa Fe Depot. EMPORIA, KANSAS.**



Mammoth Jacks and Percheron Stallions and Mares

100 head of Jacks, Percheron and Standard Bred Stallions and Mares for sale. Jacks from colts to 6 years old; Stallions and Mares from colts to 6 years old. Write for prices and description, and visit our farms before you buy. Farm and sales barn on 21st street, 1/2 miles east of Union Stock Yards.

J. C. Kerr & Company
Wichita, Kan.

JACKS AND JENNETS

20 large Jacks from 2 to 7 years old. 25 head extra good Jennets priced right. Come and see me. **PHIL WALKER,** Moline, Elk Co., Kansas

30 Head of Percherons, Belgians, Road Horses and Jacks.

Winners of first and second prizes at Kansas State Fair, 1911. Sale barn right in town. My prices are right. Write or come and see me. **C. F. COOPER,** Partridge, Kan.

IMPORTED AND HOME-BRED PERCHERONS. BIG JACKS AND JENNETS.

Priced to sell. Come and see us. Farm 4 miles from Raymond or Chase. Write **J. P. & M. H. MALONE,** Chase, Rice Co., Kan.

AL. E. Smith Stock Farm

Black mammoth Jacks and Jennets, Percheron Horses. You will find what you want in large boned, registered, 15 to 16 hands standard. Special prices on fall sales. Both phones. **AL. E. SMITH,** Lawrence, Kan.

BIG HIGH CLASS JACKS.

W. T. Trotter, M. Ayr, Iowa—Breeder of big, high class Jacks. If you want a big, well-broke, high-class Jack, write me. I have 10 head of extra good ones for sale. All sired by my famous herd Jack, Keno. All are black with white points. They are an extra fine lot. **W. T. TROTTER,** M. Ayr, Iowa.

ROYAL BELGIANS

125—Head—125
Write for catalog.
H. Lefebure, Fairfax, Iowa.

REGISTERED JACKS—Also choice 8 months registered Percheron stallion. **BRUCE SAUNDERS,** Holton, Kansas.

IMPORTED DRAFT STALLIONS, \$1,000 each; home-bred, \$200 to \$600. **HART BROS.,** Osceola, Iowa.

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.
Up-to-date Poland China hogs. Write your wants. **H. N. HOLDEMAN,** Meade, Kan.

Best Imported Horses One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable doors. **A. LATIMER WILSON,** Creston, Ia.

JACKS and JENNETS

Six large Jacks, from 2 to 5 years old, 3 extra good Jack colts, 14 head of extra good Jennets, 1 Clyde stallion, 1 German Coach stallion, 1 registered saddle stallion. For quick sale, this stock will be priced worth the money. Will sell the lot or singly. Will consider a trade. Write us. **YATES BROS.,** Faucett, Mo.

PERCHERON HORSES.

M. I. Ayres, Shenandoah, Iowa, importer and breeder of high-class Percheron horses. Our offering at this time includes 20 head of outstanding good young stallions—a string of youngsters that will interest breeders who want the best. Come and inspect our offering if you want a high-class stallion. We have them. **M. I. AYRES,** Shenandoah, Iowa.

PERCHERONS, SHIRES, BELGIANS.

Prospective buyers should see our 60 head of big, heavy-boned, draft stallions and mares. Two importations this fall. We have a fine lot of American-bred Percherons that will suit, both in quality and price. All stock registered and guaranteed fully. Come to the barns or write. **SKOOG, REED & DECOW,** Holdrege, Neb.

RIVERSIDE Stock Farm

Percherons and Jacks for sale. We have a fine lot of registered Percheron colts coming two and three years old. A few large black Jacks and three registered standard-bred stallions, four to six years old. Pedigrees and breeding guaranteed. **O. L. THISLER & SONS,** Chapman, Kan.

Home-bred Draft Stallions \$250 to \$400—your choice, \$1,000. **F. L. Stream,** Creston, Iowa.

FAIRVIEW STOCK FARM.

Twenty-five Mammoth Jacks, all ages; Pharaoh 2491, grand champion, Tennessee at head. Largest herd in west. **H. T. HINEMAN,** Dighton, Lane County, Kan.

A. M. Walker, Laclede, Mo.—Breeder of high-class Percheron horses. A number of young stallions and mares for sale; also mares in foal. All registered stock. Write me for prices. Inspection of stock invited. **A. M. WALKER,** Laclede, Mo.

4 REGISTERED PERCHERON STALLIONS.

Won 1st and 2nd at Topeka for Percheron Stallions, any age, bred and owned by exhibitor. Won same at American Royal. Also best American-bred Percheron Stallion at any age. **J. G. ARBUTHNOT,** Cuba, Kansas.

ANGUS CATTLE

BIG SPRING ANGUS CATTLE. **Jasper Audridge & Son, Pattonsburg, Mo.,** Proprietors. Breeders of pure bred Angus cattle and Duro Jersey hogs. Breeding Stock for Sale.

ALLEDALE FARM BULLS.

Am offering a choice lot of young Angus bulls, sired by Even Eric 111592, ranging in age from 8 to 10 months, weighing from 600 to 800 pounds; one good 20-months-old bull. **W. A. HOLT,** Savannah, Mo.

GALLOWAY CATTLE

FORT LARNED HERD. REGISTERED GALLOWAYS for sale. Fifteen choice registered bulls 10 to 20 months old. **E. E. FRIZELL,** Larned, Kansas.

Capital View Herd of Registered Galloways.

A choice lot of young bulls for sale in numbers to suit. Write or call for further information. **G. E. CLARK,** 2301 Van Buren St., Topeka, Kan.

POLLED DURHAM CATTLE

Roan Hero the International Champion and BELVEDERE X2712-195058
Son of the \$1,500 Grand Victor X1635 150385 heads my herd of Double Standard Polled Durhams. A few extra good, blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town. **D. C. VAN NICE,** Richland, Kansas.

HEREFORD CATTLE

MODERN HEREFORDS
HERD BULLS.
BEAU BRUMMEL 10th 167719.
BEAU BEAUTY 192235.
CALDO 2d 260444.

Hazford Place Eldorado, Kan.

ROBT. H. HAZLETT.

100 — Hereford Bulls — 100

Coming yearlings and twos. A choice lot of cows and heifers. One to car load. Bred to one of the best bulls in Kansas. **SAMUEL DRYBREAD,** Elk City, Kansas.

GUERNSEY CATTLE.

A FEW Guernsey bulls for sale; butterfat record 668 to 714 lbs. per year; prices reasonable. **Frederick Houghton, Roxbury, McPherson Co., Kansas.**

GUERNSEYS.

For Sale—High-grade Guernsey bull and heifer calves. "Materna" strain. **MRS. HELEN DONNELLY,** Manitowoc, Wis.

Mammoth Jacks For Sale

Twenty Jacks from 14.3 to 16 hands high, all good, and including some of the best we ever had. The highest priced Jack at public sale last year was from our herd, and also the famous champion Missouri Queen. Call or write, mentioning Kansas Farmer.

DEIRLING & OTTO,
Queen City, Mo.

LEE BROTHERS' PERCHERONS FOR SALE.

Imported and Home-bred Stallions and Mares, Blacks and Grays.
80—HEAD OF MARES AND STALLIONS—80
From weanlings up. The kind that we sell such men as W. S. Cora. Every one a good one. Among them is the prize winner from France. She is the best mare in the United States today, barring none. Come or write. All we want is a chance to show them. The price is right.
LEE BROS., Blue Ribbon Stock Farm, Harveyville, Kan.

50—PERCHERON STALLIONS AND MARES—50

Bishop Brothers have 25 big boned stallions that weight 1,700 to 2,100 pounds that they can and will sell for less money than any firm in the business, quality considered. Write us what you want. **BISHOP BROS.,** TOWANDA, KAN.

SCOTCH SHORTHORN BULLS

Twenty head of high-class Scotch and Scotch topped bulls for sale; yearlings and 2-year-olds; all bred right and good individuals; also herd bull Victoria, Prince Second 238926—a herd bull with a record as a breeder; all will be sold; worth the money and descriptions of stock guaranteed. **GEO. A. ROBINSON,** Prescott, Ia.

DUAL - PURPOSE - SHORTHORN - CATTLE

Evergreen Home Farms, Lathrop, Mo., J. H. Walker, Prop.—Breeder of dual purpose Shorthorn cattle, Oxford Down sheep, Berkshire hogs and Burbon Red turkeys. Breeding stock for sale at all times. Prompt attention to mail orders. Write us for milk and butter records of our Shorthorn herd. **J. H. WALKER,** Lathrop, Mo.

GANZDALE HERD PURE-BRED HOLSTEIN

GANZDALE HERD PURE-BRED HOLSTEIN COWS AND HEIFERS FOR SALE. To move them quickly we will, quality considered, price them right. We must reduce our herd. We also have a few extra choice quality bull calves for sale, sired by that premier sire, Pietje Count. Several of his sons from large producing dams at prices very cheap. **CASPAR A. GANTZ,** King City, Mo.

HOLSTEIN CATTLE

33 1/3 PER CENT DISCOUNT ON \$50—BULLS—\$125.

Overstocked, Short of Feed, Must Sell.

Thirty head of Holstein bulls for sale, 1 month to 24 months old; A. R. O. breeding; 100 head in herd; pedigrees to be proud of; every one a herd header. We have never sold as good animals as this offering for less than \$75 to \$200. Buy your bull now when you can get a good one cheap. Barns on Rock Island, 30 miles east of St. Joseph, inside city limits, one-half mile from station. A few females for sale.

S. W. COOKE & SON, Maysville, Mo.

M. E. MOORE & CO., CAMERON, MO., breeders of Holstein Friesian cattle. Five head of high-class cows for sale, also young stock, both sexes. Herd headed by Sir Johanna Colantha Fayne 42146, assisted by Sir Korndyke Imperial 53683.

BULL CALVES always on hand, and worth the price. **H. B. COWLES,** Topeka, Kansas.

Purebred Registered **HOLSTEIN CATTLE** The Greatest Dairy Breed Send for **FREE Illustrated Booklets.**

Holstein-Friesian Assn., Box 114, Brattleboro, Vt.

SUNFLOWER HERD HOLSTEIN-FRIESIANS.

Choice stock, both sexes, always on hand. The best sire in the middle west heads this herd. Visitors and inspection solicited. **F. J. SEARLE,** Oskaloosa, Kan.

JERSEY CATTLE

I AM OFFERING a few young bulls, some of Oxford's Masterpiece, a son of Oxford Lad; Oxford's Brigadier, a son of Gamboge Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's third son; and Eurybia's Exile. I have but a few of these calves that are ready for service. Will sell them reasonably while they last. Write for prices and particulars. **W. N. Banks,** Independence, Kan.

COMFORT'S REGISTERED JERSEY CATTLE.

Carry the blood of the most noted sires. For quick sale, nine choice bulls, nearly all of serviceable age, including two by Imp. Oakland's Sultan, a prize winner on the Island. Others by Gold Boy's Guenon's Lad. Out of high producing dams. Nice colors and good individuals. Write for price and descriptions. **F. W. COMFORT,** Westmoreland, Kan.

LINSCOTT JERSEYS

Only Register of Merit Herd in Kansas. A few bulls of serviceable age, sired by a Highly Commended first prize winner of Island of Jersey, out of tested cows. **R. J. LINSCOTT,** Holton, Kan.

GOLDEN RULE JERSEY HERD.

Headed by Oomer's Eminent 85865. Choice bull calves for sale. **JOHNSON & NORDSTROM,** Clay Center, Kan.

REGISTERED Jersey bull calves for sale, from the finest blood lines, at reasonable prices. **Dr. D. R. Hill,** Joplin, Mo.

JERSEY CATTLE

Your Choice—1 bull, coming 2 years, by Beatrice Stockwell; 1 7 months old, by Oomer's Eminent; dam Guenon's Sallee M. test of milk 9 per cent butter fat. Heifers and cows from 6 months to 6 years, mostly Golden Lad and St. Lambert blood. **S. S. SMITH,** Clay Center, Kan.

7—CHOICE JERSEY BULLS—7 from 4 weeks to 12 months, sired by a son of the noted Sultan Jersey Lad and out of excellent dams. **HENRY E. WYATT,** Falls City, Neb.

RED POLLED CATTLE

RED POLLED BULLS FOR SALE. Three yearlings, weighing 800 to 1000, get recorded. During January \$75 each. Chance of a lifetime. Beef and milk qualities combined. Herd bull weighs a ton. Bulls ready for service. September O. I. C. boars for sale. **MILTON PENNOCK,** Route 4, Delphos, Kan.

RED POLLED CATTLE. The champion beef and milk producer of the age; bred and for sale by the undersigned. Write for prices or come and see the red beauties. **J. B. RESEB,** BIGELOW, KAN.

RED POLLED CATTLE.

The only dual purpose cattle and the most profitable for the farmer. Choice bulls for sale. **U. E. HUBBLE,** Stockton, Kan.

AULD BROS. RED POLL CATTLE. Herd numbers 60, headed by Prince, a ton bull in condition; 10 choice young bulls and a few cows and heifers for sale; farm one mile from town. **AULD BROS.,** Frankfort, Kan.

FOSTER'S RED POLLS. Choice bulls and heifers priced reasonable. **C. E. FOSTER, R. R. 4, Eldorado, Kan.**

SHORTHORN CATTLE

GREENDALE SHORTHORNS. Double Champion (by Choice Goods) at head of herd. Six good red bulls from 16 to 25 months old for sale cheap to get the room for winter. Also, have a select bunch of calves. **ED GREEN,** Florence, Kansas.

NEW BUTTERGASK SHORTHORNS.

Herd headed by Snowflake's Stamp and Snowflake's Star, the latter the cup winner at the 1911 Mitchell County State-Wide Fair. Straight Scotch and Scotch-topped bulls for sale. **MEALL BROS.,** Props., Cawker City, Kan.

C. J. WINGER, POLO, MO. Breeder of high-class, dual purpose Shorthorns. One yearling bull and 17 cows of breeding age, for sale. Some with calves by side. A milking herd that tests high, with beef qualities. **C. J. WINGER,** Polo, Mo.

GLEN HALL SHORT HORN HERD Headed by Choice Prince, by Prince of Tebe 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.

875 Breeding Shropshires

High grade black faced breeding ewes. All young, from yearlings up. A number of good young mares, draft bred and some good young work mules. 185 head good stock cows. Can furnish car lots of any class of stock. Maryville branch U. P. station on farm. **Alkin Ranch, E. T. Grimes,** Manager; Railway Station, Alkin, Kan.; **F. O., Emmett, Kan.**

POLAND CHINAS

POLAND CHINAS

FESENMEYER'S A WONDER OFFERING.

Eight litters fall pigs, sired by A Wonder. Will book orders for both boars and gilts. Ten spring gilts. Gritters and Allbrook breeding, bred to A Wonder. Fifteen A Wonder spring and fall gilts bred to the great young boar, Big Joe. All for sale at private treaty. A great offering of A Wonder pigs. Description of stock guaranteed. H. FESENMEYER, CLARINDA, IOWA.

DEAN'S MASTODON POLAND CHINAS.

A number of 300-lb. fall boars now ready. They are the big, mellow kind, with 7% or 8 1/4-inch bone. To move quick, will sell at from \$30 to \$35. Also an extra lot of spring gilts and boars, will weigh 200 lbs. A number of herd headers. Can sell you young pigs if you want to save express. Offering sired by Mastodon Price and Columbia Wonder. CLARENCE DEAN, Weston, Mo. Phone, Dearborn, Mo. R. R. Station, New Market, Mo.

BIG TYPE POLAND CHINAS.

Thirty fall pigs sired by Spotted Chief, both boars and gilts, out of matured sows of the large type breeding. Will also offer for a short time only a limited number of spring gilts sired by Spotted Chief and R. B.'s Longfellow, which are bred to King Wonder, a son of old A. Wonder No. 107353 for March and April farrow. These are extra good and are priced reasonable, breeding and quality considered. Description of stock guaranteed. W. F. HOUX, JR., HALE, MO.

BIG HADLEY, BIG HUTCH AND EXPANSION BLOOD

Predominate in my herd. Herd boars: Hutch Jr. by Big Hutch and King Hadley 2d by Big Hadley. Among sows are Grannetta, litter sister to Bell Metal; Pan Princess, weight 725 lbs.; Mollie S., 750 lbs., and Jess Corwin, the dam of Expansion See, the biggest boar ever owned in the West. 90 choice pigs farrowed to date. Visitors always welcome. C. W. JONES, Solomon, Kansas.

LONGVIEW POLANDS.

Herd boar young Mastiff. The first and grand champion at Topeka, Kansas, State Fair, 1910. A few choice spring boars and gilts for sale, all large type. Priced reasonable and guaranteed. D. M. GREGG, Harrisonville, Mo.

MADISON CREEK POLAND CHINAS.

Twenty choice spring boars of strictly big type. Low prices in order to make room for fall pigs. J. L. GRIFFITHS, Riley, Kan.

FOR SALE.

20 choice Poland China summer and fall boars. The big, smooth kind. Priced to sell quick. Herd headed by Grandeur and Blain's Wonder Son. MATT ALTON, Erie, Kansas.

LAMBERT'S CORRECT TYPE POLANDS. Ten ribbons at Topeka State Fair. The big, smooth kind. Pigs or bred sows for sale. JOSIAS LAMBERT, Smith Center, Kan.

M'S GIANT WONDER 58159. 800 pounds, 11-inch bone as a yearling. For Sale—Choice tried sows bred to this great boar for March farrow. JOHN T. CURRY, Winchester, Kan.

HOPPE'S BIG TYPE QUALITY POLANDS. The best of the big type breeding; fed for best results. Bred sows and gilts for sale. W. V. HOPPE, Stella, Neb.

Thirty Bred Gilts for Sale.

A. L. Albright, of Waterville, Kan., the breeder of the big, smooth kind of Poland Chinas, is offering that number for sale at \$25 to \$40. Write him.

DISPERSION SALE.

I offer at private treaty my entire herd of Poland Chinas, young boars, tried sows and gilts, open or bred to Giant Monarch, the king of big type boars. Some great ones at a bargain. Write. W. C. Milligan, Clay Center, Kansas.

MOONEY CREEK POLAND CHINA HERD

The biggest of the big. Wonder and Mastodon strains. Herd headed by Big Osborne. I have bought seed stock from the best herds in Iowa and have new breeding for Kansas. Have an extra fine boar for big or medium type breeder. Also fine gilts for sale. Write for information. Visitors welcome. JOHN W. NOLL, Winchester, Kansas.

GREEN LAWN HERD

The big type Poland Chinas. Herd headed by Major B. Hadley, the Grand Champion at American Royal, 1911. Also Young Hadley and Big Spot. A grand lot of fall pigs for sale, priced to sell.

A. J. ERHART & SONS

Adrian, Mo.

BLUE VALLEY EXPANSION 54414.

A Grand Individual, With Massive Bone and Length.

L. C. WALBRIDGE, Russell - - - - Kansas.

20—Choice Big Type Poland Boars—20

Vaccinated and just right for hard service. Bargain prices for quick sale. Also, 10 young Shorthorn bulls and a few cows and heifers.

S. B. AMCOATS, Clay Center, Kan.

POLANDS.

Fuller Brothers' prize Polands. Grand champion sow, Sedalla, 1911, and other prize winners in herd. Storm Center, sire of champion sow, and Big Tecumseh, at head of herd. We also breed Hereford cattle and Scotch Collies. FULLER BROS., Humphreys, Mo.

HARTER'S BIG KIND POLAND CHINAS.

Headed by Mogul's Monarch, Prince Hadley, and other good sires. Choice breeding stock always for sale.

J. H. HARTER, Westmoreland, Kansas.

THE POLANDS THAT TAKE.

FOR SALE—At low prices, several of Toulon Prince's spring boars. Write me quick. L. E. KLEIN, Zeandale, Kan.

VINECROFT POLAND CHINAS

Bred for quality and size. Address, ALVIN LONG, Lyons, Kan.

BRED GILTS \$25 to \$30 EACH.

20 fall gilts, big and smooth. Big type. Good time to start herd. Write quick. F. D. YOUNG, Winchester, Kans.

LIMESTONE FARMS

breeds Shropshires, Big Poland Chinas, Buff Orpingtons, S. C. Brown Leghorns, Indian Runner ducks and Chinese geese. Choice cockerels for sale worth the money. M. GOTTSWILER, Clarksdale, Mo.

WALNUT GROVE FARM

still has a few choice spring boars for sale. Sired by First Quality 62628 and out of Expansion and C's Perfection dams. JAMES ARKELL, Junction City, Kan.

MAMMOTH HADLEY POLAND CHINAS.

60 choice spring pigs sired by Mammoth Hadley and Grand Model, two as good sires as can be found in the west; dams of pigs carry the blood of nearly all big sires.

GEO. W. SMITH, Burchard, Neb.

W. Z. BAKER, LARGE TYPE POLAND CHINAS

A few choice boars, bred sows and gilts for sale, bred to King Hadley, John Ex. and John Long 2nd. Prices right. W. Z. BAKER, Rich Hill, Mo.

HAMPSHIRE HOGS.

100 HAMPSHIRE SOWS,

spring gilts, fall gilts and mature sows. Sired by sons of champions; some of them bred to a winner of the blue at the Ohio State Fair this year, the rest bred to sons of champions. Best of breeding and best of individuals, and priced right down to bed-rock. Write us. WOODLAWN FARM CO., Sterling, Ill.

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.

HILLWOOD STOCK FARM

High Class Hampshires—Herd Headed by the Celebrated boar Erlanger 1039. High class young boars for sale. Will also sell Erlanger. J. Q. EDWARDS, Platte City, Mo.

HAMPSHIRE SWINE.

Some fine spring boars and a fine lot of summer pigs, all registered stock. T. S. BURDICK, Route 3, Inman, Kansas.

BERKSHIRES

BERKSHIRE HOGS.

Guaranteed choice breeding stock of very fashionable lines. Either sex. Pigs, \$15; of breeding age, \$25; very extra choice, best quality, \$35. Registered. Crated f. o. b. B. J. LINSOTT, Holton, Kan.

RENO BERKSHIRES

for sale. All sired by the grand champion at Kansas State Fair, 1910; 15 spring boars and 15 spring gilts, priced. Write at once. T. E. CLARKE, Medora, Kan.

DUROC JERSEYS

GOLDEN RULE DUROC HERD; Dreamland Col., the best Col. boar in the west, in service, assisted by J. C.'s Defender, by the noted Defender; 100 choice spring pigs for sale in pairs or trios not related; bed-rock prices. LEON CARTER, Asherville, Kan.

ELDER'S HIGHLAND DUROCS. Headed by G. C.'s Col. and F. E.'s Col. Sows contain the blood of Ohio Chief and Crimson Wonder. Stock always for sale. FRANK ELDER, Green, Kan.

100 DUROC JERSEY PIGS PRIVATELY.

Richly bred boars and gilts in pairs not related at prices to move them. O. A. TILLER, Pawnee City, Neb.

You run no risk to patronize persons or firms whose advertisements appear in KANSAS FARMER.

Think, Man! Think!

What you are getting if you buy Miss Critic II, third prize junior yearling sow at Des Moines, 1911, in a class of 45. Bred to "VALLEY KING," grand champion boar at Iowa and Nebraska State Fairs, 1911. At Robert T. Miller's bred sow sale, FEBRUARY 15, AT TABLE ROCK, NEB. Write for catalog.

R. T. Miller, Table Rock, Nebr.

150 Shetland Ponies 150

Stallions, Geldings and Mares. All colors and ages. Thirty-four to forty-eight inches high. Call on or address,

C. H. CLARK, Colony, Kansas

40 STALLIONS AND MARES.



My barn is full of good Percheron, Belgian and Shire Stallions. Priced to sell. I mean business. Come and look them over. If you want good horses, we can deal. My prices are from \$400 to \$1,000. Come and see me before you buy. Then be your own judge. Barn right in town.

Joseph M. Nolan, Paola, Kan.

Imported—Percheron—Stallions

At the 1911 shows we won Championship on both Percheron and Shire Stallions, at the American Royal, the Inter-State and the Missouri State Fairs. All our horses are imported. We sell as low as anyone on earth, quality considered. Our guarantee and insurance are the best known.

PERCHERON IMPORTING CO., South St. Joseph, Mo.

Percheron Stallions and Mares



A few choice stallions and several brood mares safe in foal. Matched teams from 2 to 5 years old. Come and see me.

F. H. SCHREPEL, Ellinwood, Kan.

PERCHERON STALLIONS

Priced to sell—from yearlings to three-year-olds. All dark colors, heavy bone and large size; plenty of quality. The best of breeding. All registered in Percheron Society of America. Come and see me.



J. W. BARNHART, BUTLER, MO.

PERCHERON, BELGIAN, GERMAN COACH STALLIONS AND MARES.

Imported and home-bred. Will sell our 1911 champion and other prize winners. Write or come. I make good. Mention this paper. PIONEER STOCK FARM, J. W. Waddill, Prop., BRASHEAR, MO.

REGISTERED PERCHERON STALLIONS

Young registered stallions, from weanlings to 4-year-olds, outstanding in bone, size and quality. All registered in Percheron Society of America. Write for bargains. WILL F. HOOKER, Hamilton, Caldwell Co., Mo. On Main line of C. B. & Q. Railway, 60 miles east of St. Joseph.

DUROC JERSEYS

DUROC JERSEY SPRING BOARS

Up-to-date breeding, plenty of quality and good colors. Priced for quick sale. W. H. SALES, Simpson, Kan.

25—DUROC JERSEY SPRING BOARS—25

By such sires are King to Be and G's Col. out of the greatest sows of the breed. Also two fall boars sired by Neb. Wonder, and a few spring gilts. Will not hold fall sale. GRANT CHAPIN, Greene, Kan.

B. & C. Col. and Bells Chief

Young boars of serviceable age. Best blood lines. Bred sows and gilts, and fall pigs, either sex. SAMUEL DRYBREAD, Elk City, Kan.

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W. C. CURPHEY Salina, Kansas LIVE STOCK AUCTIONEER Write, phone or wire me for dates.

T. E. GORDAN, Waterville, Kan.

Real Estate Auctioneer. Will cry sales in any state; terms reasonable; write for plan. LAFF BURGER, Live Stock Auctioneer, Wellington, Kansas—15 years of success in selling pure bred live stock.

AUCTIONEERS

FOR THE BEST RESULTS employ Zaun. He works for the best breeders in America. Best of reference furnished.

FRANK J. ZAUN, Independence, Mo.

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Live Stock Auctioneer, Parsons, Kan. Continually selling for the best breeders of several states. Write, wire or telephone. Home phone 2702.

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MANKATO, KANSAS. Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

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Real Estate and Live Stock Auctioneer. Eighteen Years' Experience. Offerle, Kan.

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Oketo, Kan., will make pure bred stock or farm sales anywhere in Kansas or adjoining states; 15 years' experience; best of references furnished. Write or phone for dates.

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Live stock and farm sales auctioneer; block and ring work solicited. Belleville, Kan.

T. E. DEEM, AUCTIONEER

Auction sales of pedigreed stock made everywhere. Write me about your sale. I have an open date for you. Address, Cameron, Mo.

Dawson's Big Type Poland China Bred Sow Sale

TOPEKA, KANSAS

Saturday, Feb. 10, 1912

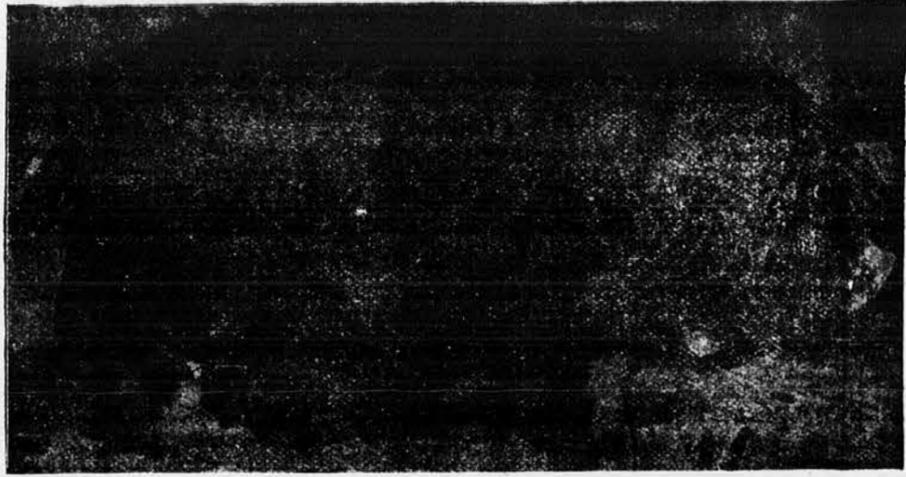
625 QUINCY STREET
GILCHRIST'S FEED YARDS

45—BRED SOWS AND GILTS—45

Consisting of five tried sows, including Mouw's Spot 131312, the dam of herd headers. They are immune. Forty spring gilts weighing from 250 to 300 pounds, sired by Panorama 53423, Exemplar 60547, both sons of Expansion, and to Grant Osborn 58331. Bred to Monster Look, Panorama Jr. Vaccinated with government serum. Usual terms and accommodations. Hogs for shipment crated free. For catalog address

Phil Dawson, Owner, Endicott, Neb.

COLS. C. M. CREWS and Z. S. BRANSON, Auctioneers.



**PERCHERONS
BELGIANS
SHIRES**

Send for Catalog



It Will Pay You to Visit Our Barns

We will show you some of the best bred stallions Europe has produced.

They are big, smooth, flat-boned fellows with great quality, style and conformation—with good color and dispositions.

Our contract of guarantee is as good as a government bond. Our prices are reasonable. C6

Send for big illustrated catalog and testimonials.

Watson, Woods Bros. & Kelley Co., Box 34, Lincoln, Neb.

First Annual Sale of O. I. C. Bred Sows and Gilts to be held in CAMERON, MO., ON FRIDAY, FEB. 9TH, 1912

This offering consists of bred sows and gilts of the best breeding, such sires being represented in their pedigrees as Kerr Dick 9028, White Oak 10029, Kansas King 3433, McKinley 5501, and Jackson Chief, the World's Fair winner. These sows are in good, strong breeding condition, and are bred to my herd boars, Frost Buster 29745, Big Oak 27263, and Crystal Oak.

Send bids to auctioneer in my care. For further information and catalog write **DAN WILCOX, CAMERON, MO.**

THOS. E. DEEM, Auctioneer.

SIX YOUNG JACKS FOR SALE

I am offering six young Black Jacks for sale, 2 to 4 years old, from registered sires and dams, priced \$400 to \$1,000. Will take a few good fillies in exchange.

M. V. DILLINGHAM,
Blue Springs, Mo., 20 Miles East of K. C., on C. & A. Ry.

TOO LATE TO CLASSIFY

Missouri and Kentucky Jacks

A number of extra good Missouri and Kentucky bred jacks, from 3 to 6 years old, from 15 to 15.3 high. All are black with white points. Some show jacks in lot. Will sell worth the money. Description guaranteed.

J. E. PARK,
Cameron, Missouri.

Ten Extra Choice Shorthorn Bulls.

Five pure Scotch and five Scotch topped. Also few cows and heifers bred or open. Twenty big-type Poland China gilts bred for spring farrow to a good son of Metal's Choice. All out of mature dams. Inspection invited.

S. B. AMCOATS, Clay Center, Kan.

HOME OF THE GIANTS.

75 Head of Jacks and Jennets.

Won half the premiums, Missouri State Fair, 1911. The big, thick, big-boned kind.

BRADLEY BROS., Warrensburg, Mo.
Mo. Pac. Ry., 65 mi. east of Kansas City.

Thompson's Big, Growthy Mule Foot Hogs have won more first prize ribbons than any herd in America. Stock of all ages for sale, sired by or bred to my six big State Fair first prize winning boars. Prices low, quality high. Bred sow sale February 28. Write for catalog. **Chas. K. Thompson, Letts, Ind.**

HOLSTEIN COWS AND HEIFERS.
A choice lot of cows, just freshened, all registered and priced reasonable. Also, a few young bulls, sired by Prince Ermsby De Kol, now at the head of the Nebraska College herd. **J. P. MAST, Scranton, Kan.**

TO CLOSE OUT

our registered Shorthorn herd we offer 45 head cows, bulls and calves. Prices and breeding on request.

THE DEMING RANCH
Oswego, Kansas

M. E. Moore & Co., Cameron, Mo.
Are offering some extra fine bull calves, largely white. Sire, "Sir Korndyke Imperial" 53683. 100 per cent same breeding as "Pontiac Clothilde De Kol 2d." Champion butter cow of the world; 1,271.6 lbs. butter 365 days, 37.21 lbs. 7 days.

FIELD NOTES.

The M. E. Moore Holsteins.

M. E. Moore & Co., Holstein breeders at Cameron, Mo., are selling large numbers of their pure-bred cattle, and it is a matter of satisfaction to note that a large proportion of these are coming into Kansas. This is due to the high quality and reasonable prices which they maintain. Their herd bull Sir Korndyke Imperial 53683 is exactly the same breeding as the champion cow of the world, Pontiac Clothilde DeKol 2nd, 69991, whose butter record of 1,271.6 pounds in 365 days is just completed. This bull is also 87.5 per cent the same breeding as Pontiac Pet with a seven-day butter record of 37.67 pounds. E. H. Dollar, Heuvelton, N. Y., states that this herd bull is, in his judgment, one of the best bred sons of Pontiac Korndyke that is now living, and he is 100 per cent of the same breeding as his Rag Apple Korndyke, whose dam has a record of 31.62 pounds of butter in seven days, 126.56 pounds in 30 days, and sold for \$8,000. Notice the change in the advertisement of M. E. Moore & Co., and mention Kansas Farmer when you write.

The Death of M. M. Johnson.

The famous incubator man of Clay Center, Neb., M. M. Johnson, died on Monday, January 15, just past, at 2 a. m., at Idaho Springs, Colo., where he had gone in an effort to regain his health, which had been seriously impaired for several years.

Few people there are in the United States who have not heard or read more or less of Mr. Johnson and his work. His life's achievements go to show that there is little in the familiar saying that "Opportunity knocks once at every man's door." If Opportunity came to knock at Johnson's door, most likely he

success is measured by the degree in which his heart controlled his head and his figures.

Not only did he find wealth for himself and family, and a joy in his hard work, but he brought an increased measure of prosperity to his town. Hardly a man, woman or child in his little city that was not benefited directly and perceptibly by Johnson's life and work there. Nor was that all.

It is difficult to estimate the good that flowed to the hundreds of thousands of his customers, through the goods he sold them and the advice he was able to give. No other single force operated so effectively to reduce prices on and increase the utility of what has come to be a staple article of agricultural commerce.

Perhaps he made some mistakes as he went along, but no serious ones are known to have been charged to him. If any there were, they certainly have been most richly offset by the things he did right and the good resulting from them. The Golden Rule was a living thing with him. He demonstrated that a man can be honest and still be a successful business man.

While Johnson built his large business on his personality, he also built that it should not suffer when his time should come to be taken away. For some time he had not given his business any personal attention, but it has gone along without a hitch without his guiding hand. He created an organization out of willing and sympathetic workers, at the head of which is the oldest of his children, Mr. H. H. Johnson, a worthy scion of a master man. Harry, as he is familiarly known at home, has been at his father's right hand from the inception of the business. He knows its needs thoroughly; knows its foundation, its growth and its size—and he measures up as the man for a man's place. He is sound, sensible and industrious. So are his co-workers.

While the Old Trusty business, the community and the poultry fraternity has received a shock in the death of M. M. Johnson, the shock has been of deep personal grief and not of a business nature. The business situation is well saved, in the organization of which Harry H. Johnson is the head, and under his fostering care will go on to newer and increased and well deserved success.

Many a man will build a large dairy barn costing several thousand dollars; then he will put in hundreds of dollars' worth of barn equipment to make his dairy work easier. He will build a silo, buy cream separators, a dozen or more cream and milk cans; invest in cows at the rate of \$80 to \$150 per head. All very well and good. Good investments, and fully worth while. But when his wife wants a \$200 hen house; a \$25 chicken yard; a \$12.50 incubator, and an \$8 brooder, some feed hoppers, trap nests and other things poultrywise, the lord of the ranch will "holler" about "foolish" expenditures—"no sense in having a lot of chickens around to foul horse mangers and cow stalls, etc." and other observations to the same force and effect. At the same time the cow yard will not out-pay the chicken yard if the chicken yard just should have half the attention and a fraction of the expense of the cow yard. This may seem to many like foolish talk, but it is so well warranted by actual doings every day to bring it entirely out of the realm of fiction and establish it for solid fact—solid as the enduring hills.



A FAMILIAR LIKENESS OF THE LATE M. M. JOHNSON.

never heard it. Those who knew him intimately can't help believing that he just simply created for himself his opportunity.

His achievements are a rebuke to idleness and pining. When he arrived in Clay Center he was surely a member of the Down and Out Club, if ever a man was, judging from all that anyone could see. But the part that no one saw at that moment was his resourcefulness under adversity, his patience, indomitable will, tempered with good sense and justice. The little start he made in his incubator manufacturing business was so small that there were plenty of persons to "pooh-pooh" his efforts. But to Johnson it meant everything in the world. In the end the whole town of Clay Center came to see that he knew what he was about, and that he knew more about what actuated the beneficent workings of humanity than anyone who came to criticize and find fault.

From an unknown person in 1894 to the king of incubator manufacturers in 1912—from a visible supply of cash amounting to 65 cents to his ability to cash in on something like \$300,000 in 18 years—is a result creditable and praiseworthy. And not a cent did he get by any trick of high finance or other questionable dealing. He made every cent honestly. While the total looks large, it represents only a few cents profit on each of the many thousands of machines he made and sold in his lifetime—the laborer's fair reward of earnest toil.

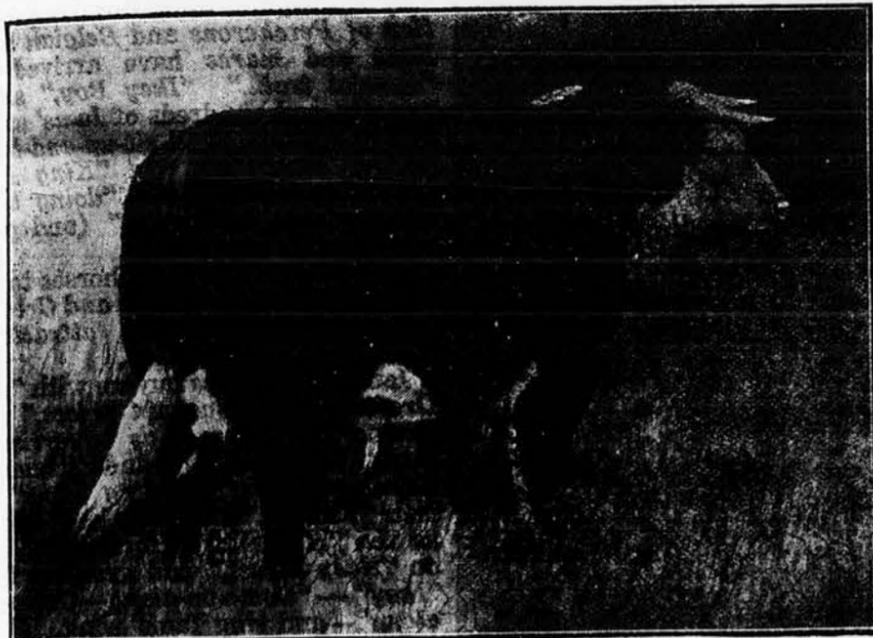
Many have essayed to define the secret of his success. To the mind of this writer, it was merely that he learned his own business thoroughly, from the smallest detail at the bottom to the one at the point of the top—through hard work, suffering and privation. His heart for humanity was always in the struggle with his business head, and his

JONES BROTHERS

Big Dispersion Hereford Cattle Sale

At Fair Grounds, Council Grove, Kansas, Feb. 27 and 28

215 HEAD—THE GREATEST OPPORTUNITY OF THE SEASON—215 HEAD



SIMPSON.

The offering will be presented in ideal breeding condition and all females of breeding age will either have calves at foot or be in calf to some one of our great bulls. The herd has been culled closely, and all animals not worthy have been put into the feed lot. Write for free photos suitable for framing. Write at once for catalog.

36 BULLS—Including our herd bulls, Simpson, Beau Monarch 54th, Dandy Andrew 6th, 7th and 9th, Beau Monarch 90th and 91st. Herd bulls, farm and ranch bulls of serviceable age and in the best possible condition—the best lot of bulls ever on our farm.

100 BREEDING COWS—25 sired by the great Lincoln 2d by Cherry Boy, and others by Lincoln 7th, Simpson, Beau Brummel, Lamplighter, Jr., Benj. Wilton, Dandy Andrew, Beau Donald 47th, Hesiod 85th, Imp Salisbury, Beefy Boy (by Cherry Boy), Onward 19th, Columbus 17th, Drusus, Sunset, Shadeland Dean and Monnington. Sixty head have calves at foot.

30 TWO-YEAR-OLD HEIFERS—Mostly by Lincoln 7th, Monnington and Simpson, safe in calf to our herd bulls. A grand lot of excellent young breeding cows, in good flesh and condition, good size, well marked, good color and good heads and horns. Splendid material for herd foundation. Look these heifers over.

49 YEARLING HEIFERS—All our own breeding. The attraction of the entire offering. A superb lot of prospective brood cows of the most popular type. Practically our entire heifer crop of their ages. Many show prospects in this lot.

OUR ENTIRE SHOW HERD—Beau Monarch 54th, the best 2-year-old bull to be sold this season, sired by Simpson out of Imp. Prudence. Daisy, junior yearling heifer, first at local fairs in 1911. Beau Monarch 90th, senior bull calf, second at Kansas State Fair in 1911. Sally, senior heifer calf, junior champion at 1911 Kansas State Fair, and others—prize winners at state and local fairs.

We will also sell at private treaty our 1,400-acre ranch, one of the best stock and combination grain farms in Kansas.

Farm For Sale Privately

AUCTIONEERS—EDMONSON, BELLOWS, ZAUN, SPARKS, BRADY.

JONES BROS., Council Grove, Kan.

Comfort's

DISPERSION SALE

OF REGISTERED JERSEY CATTLE.

Westmoreland, Ks., Feb. 17, 1912



Thirty-five head of some of the best selected registered Jerseys in the West. This herd consists mostly of 3 and 4-year-old cows and bred heifers and a few choice bulls. They carry the blood of such noted dams as Brown Bessie No. 74997, the cow that took the butter record at Chicago, '93; Tomassie No. 78875, that produced 41½ pounds of butter in 14 days, and such sires as Oakland's Sultan No. 78528, who took first of Island of Jersey in 1907; Pedro No. 3187, who sold for \$10,000, and Hood Farm Pogis 35th No. 63303, half brother to Hood Farm Pogis 9th, valued at \$25,000. Every animal has recently been tuberculin tested, without a single reaction. Catalogs ready by January 15. Send name and get on my mailing list. Sale under cover.

AUCTIONEERS—COLS. J. T. McCOLLOCK, W. H. TROSPER, OSCAR H. BOATMAN, J. L. HOOVER.

F. W. COMFORT, Westmoreland, Pottawatomie Co., Ks.

Jesse Johnson will represent KANSAS FARMER. Send bids to him, in my care.

J. D. Spangler's

Large Type Bred Sow Sale

—AT—

SHARON, KANSAS

Tuesday, February 20, 1912

FIFTY HEAD—45 bred sows and gilts, and five splendid fall boar pigs. We are going to give you an opportunity to buy as good a bunch of sows and gilts as will go through the sale ring this year. As I have got to buy new blood for my own herd, so that I can still retain a splendid trade of friends that have been buying of me for years, I will have to part with many of my good brood sows in order to make room for more. We are going to give you an opportunity to buy such sows as Lady Mastodon 32nd, Mastodon Maid 42nd, Mastodon Maid 8th, Lady Wonder 6th, Lady Hutch, Inez Bell and many others of my best sows. We are selling a splendid bunch of fall yearlings, sired by Spangler's Hadley, safe in pig to Sharon Wonder. There will be 15 spring gilts, sired by Spangler's Hadley and bred to Sharon Wonder. Visitors from a distance met at all trains at Attica or Sharon. Write today for a catalog, to

J. D. SPANGLER

Sharon,

Kansas

Send bids to O. W. Devine, representing Kansas Farmer, who will treat you fair.

Frank Iams' Show Topnotchers



Make "Ikey Buyers" smile and say "Come on along." Iams' horses are the real "medal winners"—"show horses of note"—"sensational" "ripe peaches" from the "select 400." Big, classy, "Peaches and cream"—"Black Boys." The "Iams Brand" of Drafty "top-notchers." Iams' 1911 Importation of Percherons and Belgian stallions and mares have arrived by "Special train." "Ikey Boy," smile sweetly, and hundreds of Iams' satisfied customers "will sit-up-and-take-notice" that Iams, the "King Pin" horse importer, is still "doing business" at the "old stand" (and good for 50 years more).

Iams is "pushing" his horses to the front. The big "Peaches and Cream" "Boys and Girls" are attractions that can't be overlooked.

Iams mesmerizes buyers with "real Drafters," at "Bargain prices," and having the "Horses as advertised," Iams' "competitors" and "Hammer Knockers" are "boosting Iams" by their "Knocks," until now he is known as the "Millionaire Horseman," and on "Easy Street," and growing fast. "Ikey"—"Come-on-along—Come-on-along"—and sing Iams' song. He is selling these "aristocratic," fancy "Black Boys" cheaper than ever—or better horses for less money—\$1,000 and \$1,400 (few little higher).. Iams has

120
PERCHERON AND BELGIAN
STALLIONS AND MARES

They are "Models"—"Humdingers." They are 2 to 5 years old, weigh 1,700 to 2,500 lbs.; 80 per cent Black, 50 per cent Ton Horses. All "approved and stamped" by European government. Registered in popular stud books of U. S. Many "prize-winners" and "gold medal horses." Big drafty "top-notchers," with big bone, quality, style, finish and action to burn. They are "Eyeopeners." Larger and better horses than seen elsewhere. Big "business propositions" that make "the wheels work fast" under a "buyer's hat." Georgie dear. Iams made a "Big Killing" by buying his horses in Europe in October, 1911. "Dry weather," "bad crops," "close money" and "Iams' cash" caused the "prize-winners" and "tops" to be thrown on the market for a "good selling." Iams "cut the melon" and bought the "rippers" at "knockout prices." Iams will give his customers the benefit of his "good buy." "Ikey Boy," come on down town—get into

IAMS' "GET RICH WAGON" AND SAVE \$1,000

on a "top stallion" (and you wear the diamonds).

Iams is a "big fly in the ointment" in the horse world. "He keeps the Gang guessing." "He is up-to-the-minute." Iams' "daily Horse Show" will be a day of "profit and pleasure," and worth going 2,000 miles to see. Iams sells only "prize-winners" and best big drafters. He sells no "International tail-ends." No "Auction stuff" or "peddlers' horses." No American so-called full-bloods with questionable breeding (only imported horses). Iams has the "crack stallions and mares" you "read about." Buy horses of Iams and you won't "get stung" in horse or price. "Dolly D," waltz me around once again "Ikey," land me at Iams' Box Office and Importing Barns. Full to "the roof" with "Black Boys" (and all must be sold). Reduced prices. All the world knows Iams and his "Peaches and Cream" horses. 1911 was Iams' best business year. 1912 promises to be a bumper year to Iams and his customers. He saved \$300,000 to stallion buyers in 1911. Watch "Iams' smoke" in 1912. Iams' 30 years of successful business make him a safe man to do business with.

IAMS SELLS HORSES "ON HONOR." A Boy or Lady

can buy as cheap as a man.

Iams, the "square deal" horseman, makes every statement in ad. or catalog good—or you get the \$500 he hangs up. Iams guarantees to sell you a better Imported stallion at \$1,000 and \$1,400 (few higher) than are sold to stock companies for \$2,500 to \$5,000. Imported mares, \$700 and \$1,000. Iams gives 60 per cent Breeding guarantee; pays freight on horse and fare of one buyer. He can furnish \$1,000 insurance.

IAMS' 1912 CATALOG THE "BOOK OF BOOKS"

"10 years in advance of all horse catalogs." There is a \$1,000 bargain and a "Laugh In every line." (Just out). Iams' Imported Horses are "branded"—"approved" and Inspected" and "certificates marked "O. K." By Governments of France and U. S. A. IAMS buys and sells every stallion himself. Saves buyers \$1,000 in commissions and middlemen's profits. He buys stallions by "train-loads." He speaks the languages—(saving 20 per cent). He is not in the "Stallion Trust." He pays no "Slick Salesman" a commission to help "do you." He has no 2 to 10 partners—to share profits. He "pays cash" for his horses—and sells "Top-notchers" by "hot advertising" and having "the goods." "Big Ikey" leave your "happy" home and buy a "Top" stallion pair of Imported mares (of Iams) that bring colts that sell at \$500 each. "Papa" don't let those "Auction men" "Hand You a Lemon" in one of those "so-called" "American full-bloods" of Questionable breeding. Buy an Imported horse of Iams, the "reliable horseman." Then we will "all wear diamonds." Iams' "selling clothes" fit all buyers. Write for Iams' million-dollar horse catalogue. Iams won't let you go without a Peaches and Cream stallion or mare. "He sells the tails off them." Iams' guarantees are backed by "half-million dollars." References—1st Nat'l and Omaha Nat'l Bank, Omaha; Citizens' State, 1st State and St. Paul State Banks, St. Paul, Neb.; Packers' Nat'l Bank, South Omaha. Iams buys big ad. space because it is cheaper than flannel-mouthed horse salesmen.

S T . P A U L , N E B R A S K A

Miller's Richly Bred Duroc Jersey Bred SOW AUCTION

Under Cover, at Table Rock, Neb.

Thursday, February 15, 1912

40—HEAD OF TOPS SELECTED FROM A LARGE NUMBER—40

—12 TRIED SOWS— —28 SPRING GILTS—

Bred for March and April farrow to Royal Critic and Col.'s Professor, two of the most richly bred sires of the breed. The tried sows include Miss Critic 2d, prize winner at Iowa State Fair. She is bred for early farrow to Valley King, grand champion boar at Iowa and Nebraska last year. The offering contains many animals of outstanding merit but, taken as a whole, is very uniform. Remember, a number of choice gilts are daughters of Ohio Col., champion boar at Kansas State Fair last year. Others are by Golden Rule, Jr., Royal Critic, Model Finch and Bell's Choice by Bell's Chief. I am issuing a catalog that gives breeding and all necessary information. Free for the asking. If unable to attend sale, send bids to auctioneer or fieldman, in my care, at Table Rock. Usual accommodations. Table Rock is easily reached by rail; see time table.

ROBT. T. MILLER
TABLE ROCK, NEB.

AUCTIONEER—N. G. KRASHCEL.

Jesse Johnson will represent Kansas Farmer. Send bids to him.

Hamaker's Growthy King and
Mouw Bred

Poland Chinas at AUCTION

Wednesday, February 21, 1912

At Farm one mile west of Pawnee City, Neb.

A select draft, just as good as usual, and bred to Orange Tecumseh and Smooth Big Bone, both bred by Peter Mouw, and representatives of the biggest strains known to the breed. Forty head in all—15 fall yearlings and 25 March gilts, all bred for March and April farrow to the boars mentioned.

FALL GILTS

were sired by Growthy King, litter brother to Long King's Equal and Looks Grand, two of the greatest breeding boars ever owned by one breeder in Nebraska.

SPRING GILTS

were sired by Growthy King, and a few by Smooth Big Bone. This will be the last chance to buy Growthy King gilts.

DAMS OF OFFERING

include daughters of Growthy King, Major Blain, Blain's Tecumseh, King Do Do, Big Hadley, Pfander's Giant Pride, Johnson's Chief, and Looks Grand, as great a line of big type sows as can be found anywhere. The offering has been selected and fed with care, and will appeal to anyone in the market for size and quality. Catalogs ready February 1, 1912. Write for one. Usual entertainment.

G. S. HAMAKER

PAWNEE CITY :: :: :: NEBRASKA

AUCTIONEER—L. W. LEONARD.

Jesse Johnson will attend. Send bids to him, in my care, at Pawnee City, Neb.

60 Richly Bred Duroc Jersey Bred Sows and Gilts at AUCTION

In Pavilion at Burr Oak, Jewell County,
Kansas

Saturday, February 17, 1912

One of the best and largest bred sow offerings of the season. Nearly every well-known family represented. Bred for March and April farrow to the following richly bred boars: Golden Rod King 91221 by Echo Top King, Pawnee Crimson 117813, grandson of Crimson Wonder Again; Missouri Climax 117815 by Climax D. and Model Chief 120301, grandson of Ohio Chief. The offering contains many tried sows, and the gilts are selected with care. The entire lot has had just the care that breeding stock should have, and will make money for those who buy them. They are representatives of such families as Ohio Chief, Kant Be Beat Surprise, Crimson Wonder, Orion, King of Cols., Bell's Chief 2d, Red Chief I Am, etc. Sale will be held sure, regardless of weather. Write at once for catalog and other information. Free hotel accommodation. Send bids to fieldmen or auctioneer.

John W. Shuck & Sons
BURR OAK, KAN.

AUCTIONEER—JOHN BRENNEN.

Walter Ward and Jesse Johnson, fieldmen for Kansas Farmer. Send them bids.

A. J. Erhart & Son's FIRST ANNUAL POLAND CHINA SALE

—AT—

ADRIAN, MO.

Thursday, Feb. 22, 1912

65—HEAD BRED SOWS AND GILTS—65.

Twenty sows bred to Major B. Hadley, the grand champion at the American Royal, 1911; 20 bred to Young Hadley, a son of Big Hadley; 10 bred to Grand Wonder, one of the best sons of old A Wonder; 10 bred to Big Spot, and 5 bred to King Blain, one of the great breeding sons of Blain's Wonder. The sows are all large type breeding from such boars as Expansion, Grand Look, Big Hadley, Blain's Wonder, Designer, Expansion Wonder, Long John, Long King and Longfellow. Twenty head of tried sows are the tops of the Green Lawn herd and the H. H. Harshaw herd, and are sold on an absolute guarantee. Send for my catalog, and arrange to attend my sale.

A. J. ERHART & SON

Adrian,

Missouri

AUCTIONEERS—COLS. HARRIMAN, SPARKS,
ROBBINS AND HARGERS.

(This Advertisement Will Not Appear Again.)

Greatest Hampshire Sow Sale

On Feb. 14, 1912, So. St. Joseph, Mo.

STARTING AT 12:30 O'CLOCK, AT THE STOCK YARDS PAVILION,
I WILL SELL AT PUBLIC AUCTION, ONE HUNDRED HEAD OF REGISTERED HAMPSHIRE SOWS AND TWENTY BOARS.



These sows will run in age from gilts up to matured sows. The majority of these sows are got by Pat Maloy, No. 1415, the greatest boar living. A carload of his pigs, fattened, at the Inter-State Live Stock Show at St. Joseph in September, 1911, took first prize, also sweepstakes, over all other breeds. These sows will all be safe in pig by prize winning boars. These hogs have proven to be the greatest rustlers, most prolific, best dressers when killed, producing the most perfect cuts of meat, most sought for by the packers when placed on the market, highest selling, and have the strongest disease-resisting qualities of any other breed of hogs known. In fact, they have no equal.

This is your opportunity to secure some of the best bred hogs in existence at your own price. Do not neglect attending this sale. If you cannot attend, send your bids to E. C. Stone, Secretary, 703 E. Nebraska Ave., Peoria, Ill., or to the auctioneer in charge of sale, which will be treated confidential and have their judicial and honest consideration. All hogs will be crated, f. o. b. cars, St. Joseph, Mo. Pedigree furnished on day of sale. Sale pavilion will be comfortable. Write for catalog.

W. F. DAVIS, South St. Joseph, Mo.

THE SALE YOU'VE BEEN LOOKING FOR.

Faulkner's Spotted Poland Brood Sow Sale WEDNESDAY, FEBRUARY 14th, 1912 Jamesport, Mo.

Fifty old, original, big boned, spotted, tried sows, yearling and spring gilts. All bred for February, March and April farrow to my big, spotted boars,

BUDWEISER, BRANDYWINE, BILLY SUNDAY, BIG JIM AND LUCKY JUDGE.

If you like the kind of our forefathers, arrange to attend.

Auctioneers—Cols. Wells, Shepherd, Nelson, Deem, Dorsey, Cies, Carson and Thompson.

W. J. Cody will represent Kansas Farmer.
Catalogs tell all about it. Write for one.

H. L. FAULKNER, OWNER
HIGHVIEW BREEDING FARM, JAMESPORT, MO.

BIG TYPE POLAND SALE

70—HEAD OF BRED SOWS AND GILTS—70

AT

Garnett, Kansas
Wednesday, Feb. 7, 1912

In a heated sale pavilion, between the two depots, I will sell at public auction 10 tried sows, 31 big fall yearling gilts and 29 big, stretchy spring gilts, all of strictly big type and breeding. Nearly all are bred for early litters to the best boars I can buy, Kansas Hadley by Big Hadley; Joe Bowers by O. K. Price; Kansas Ex by John Ex and Long Chief by Wales Mo. King blood represented. The tried sows are Kansas Queen 2d by Neb. King; Pansy Pan by Expansion; Big Beauty 2d by Long John; Miss Wedd by Wedd's Expansion; Grand Lady by Grand Look; Hull's Model by Hadley Boy; Long Jane Lady by Chief Golddust; D's Made Right by Designer; Wedd's Maude by Wedd's Expansion; June Girl by Hadley Boy, and Stylish Lady by One Price. Four fall yearlings by Wm. Garnett; 27 fall yearlings by Hadley Boy.

The pick of my herd goes into this sale. Send for catalog.

G. M. HULL & BEAN,
Garnett, Kansas

Auctioneers—Cols. Harriman, Bean, Rudisill and Baker. Fieldman—O. W. Devine.

HALDERMAN'S Gold Metal Poland China Bred Sow Sale

At Farm, Adjoining Burchard, Nebr.,

Wednesday, Feb. 14th, 1912

FORTY HEAD IN ALL—7 tried sows and 3 gilts bred to the great Gold Metal. The remainder of the gilts are mostly daughters of Gold Metal. Everything bred for last of February and March farrow. Other boars to which offering has been bred is Young Victor by Big Victor, Melbourne Jumbo by Jumbo the Great, and one of the top boar pigs sold last fall. Others are bred to Gold Metal Son, by Gold Metal, a great young boar now heading the herd of J. A. Countryman & Sons of Rochelle, Ill. The offering is a very select one and includes some outstanding good things, including the tried sow, Utility 2nd, out of Utility, the dam of the noted litter sold at my fall sale, which included the Countryman boar. A litter sister to this boar is also in the sale. One Gold Metal fall gilt is good enough to have a home in any herd in America. I am also putting in Beauty Golddust by Golddust Chief. She will be safe for an early litter to Gold Metal. Other sows and gilts are of Hadley, Big Tec. and Great Look breeding. Sale will be held in heated pavilion of farm. Write early for catalog.

JOHN C. HALDERMAN, Burchard, Nebr.
Auctioneer—Frank Zaun. Jesse R. Johnson, fieldman for Kansas Farmer.

LIMESTONE RIDGE FARM, CAMERON, MO.—Farm 5½ miles south of Cameron, 35 miles east of St. Joseph and 54 miles northeast of Kansas City, on the Burlington and Rock Island railways. Missouri Jacks, Percheron and Saddle Stallions, for sale at reasonable prices. Extra good Jacks for Jennets. All stock old enough for service, has been tried and will be guaranteed breeders. No trouble to show stock. P. O. address, ISAAC C. LOHMAN, R. F. D. No. 3, Turney, Clinton County, Mo.

When writing our advertisers, say you saw the advertisement in KANSAS FARMER. That insures to you the full benefit of the publishers' guarantee. See top of editorial page.

Walter & Graner's Poland China Bred Sow Sale

AT THE WALTER FARM, EFFINGHAM, KANSAS.

TUESDAY, FEBRUARY 13th, 1912

Forty-four bred sows, 6 choice boars. The offering consists of 16 tried sows, 28 fall yearling and spring gilts and 6 topnotch boars, representing the best in big type breeding and individual excellence. The attractions are several sows by old Expansive and Guy's Monarch. They are bred to the great Long King's Best 61555 by old Long King and Sampson Chief, Guy's Monarch, Kansas Victor, Expansive Chief by old Expansive and Sampson Ex. for March and April litters. Write for catalog at once.

AUCTIONEERS—JAMES SPARKS AND JOHN R. TRIGGS.

Jesse R. Johnson will represent this paper. Send sealed bids to him at Effingham, in care of H. B. Walter.

H. B. Walter & H. C. Graner

A GREAT COMBINATION SALE!

KANSAS AND OKLAHOMA IMPROVED STOCK BREEDERS' ASSOCIATION WILL SELL AT

Caldwell, Kansas, Thursday and Friday, February 8th and 9th

BISHOP BROS., TOWANDA, KAN., WILL SELL, FEBRUARY 8, 24 FULL BLOOD PERCHERON STALLIONS AND MARES, 2 to 4 years old, all good, heavy boned, drafty individuals—just the kind to begin the building of a good Percheron herd. If you want Percherons, don't miss this sale. Sixteen Shorthorns and 1 Hereford will also sell, Thursday, February 8, consisting of 10 splendid young bulls ready for service, 7 cows and heifers, some with calf, others with calf at foot. They include pure Scotch, Scotch Topped and Double Standard Polled Durhams. The Hereford is a fine young Polled Hereford bull consigned by R. F. Plummer & Son, Wellington, Kan. The Shorthorns are consigned by such breeders as Thomas B. Murphy & Sons, Corbin, Kan.; P. J. Skoog, Corbin, Kan.; L. E. Wooderson, Caldwell, Kan. Snyder Bros., Winfield, Kan., consigned 5 young bulls and 2 cows with calf at foot, Double Standard Polled Durhams.

THIRTY-FIVE HOGS SELL.

FRIDAY, FEBRUARY 9, J. R. ROBERTS, RENFROW, OKLA., will sell 20 Poland Chinas, including tried sows and yearling gilts by such sires as R.'s Grand Chief 2d, and safe in pig to such sires as Peter Pan and J. R.'s Perfection. Fifteen Duroc Jersey bred sows and gilts and choice young boars ready for service will be consigned by such well known breeders as H. E. Fisher, Danville, Kan.; J. R. Ebert, Caldwell, Kan., and E. E. Kelley, Corbin, Kan. Don't wait, but send your name early for a catalog, stating which breed desired. Address, Sales Manager, L. E. WOODERSON, Caldwell, Kan. Auctioneers—Col. J. D. Snyder and Williams Brothers.

BLUE VALLEY DUROC JERSEY BRED SOW SALE CIRCUIT

Thompson Bros. Select Offering of Duroc Jersey Bred Sows

AT FARM NEAR STOCKDALE AND GARRISON, KANSAS,

Wednesday, February 14, 1912

40 HEAD—THE BLOOD OF THE SIRES AND DAMS THAT HAVE MADE THE BREED NOTED—40 HEAD.
20 TRIED SOWS—20 SPRING GILTS

Everything bred for March and April farrow to Golden Chief, Chief's Orion by Ohio Chief, T. B.'s Col. and Blue Valley Chief.

TRIED SOWS—Include daughters of Tattarrax, champion at Kansas and Oklahoma State Fairs, 1908; Hogate's Model, champion at Nebraska State Fair, 1903; Wonder Chief, grand champion Kansas and Oklahoma, 1909. These sows are just in their prime and go in as attractions.

SPRING GILTS—Were sired by Ohio Col., grand champion at Kansas State Fair and winner of second in class at Neb. State Fair last year. Others by Chief's Orion by Ohio Chief, White House King by White Hall King, and Blue Valley Chief. We take special pride in the fact that we are able to offer to our old customers such a large number of sows and gilts sired by prize winners and bred to such boars. Golden Chief, as a breeder, is the best boar we have ever owned; sired by a son of Ohio Chief and out of a dam by Pearl's Golden Rule, he is making good.

Catalog ready now. Write for one. Trains met at Stockdale. J. O. Hunt sells day before. Attend both sales. AUCTIONEERS—JAMES T. McCULLOCH, L. R. BRADY. Jesse Johnson, Fieldman. Send him bids in our care. THOMPSON BROS., Garrison, Kan. Will offer Pioneer, a recorded Jersey Herd Bull.

Hunt's Annual Duroc Jersey Bred Sow Sale

—At Farm Near—

Marysville, Kansas, Tuesday, February 13th, 1912

AN OFFER COMBINING SIZE, SMOOTHNESS AND RICH BREEDING.

40—CAREFULLY SELECTED INDIVIDUALS, ABOUT THE KIND I USUALLY SELL—40

5 TRIED SOWS.

20 FALL YEARLINGS.

15 SPRING GILTS.

Bred for March and April farrow to Hunt's Special by Ohio Chief Primrose and Iowa Chief, a son of Oh' Chief. TRIED SOWS include many near descendants of the great old Bessie H., one of the best known and valuable sows that ever lived. Others are by Bell's Chief 2d, Hunt's Model, and descendants of W. L. A.'s Choice Goods, and other boars of note.

FALL GILTS were all sired by Major A., a son of King of Iowa. Many of them are out of Hunt's Model sows. SPRING GILTS sired by Billy H., a grandson of W. L. A.'s Choice Goods. I have selected out 40 head of tops, and think they will be appreciated. Catalog ready by the time you read this. Usual accommodation and transportation to and from farm. Phone from any nearby town and you will be met.

Thompson Bros. sell day following at Garrison, Kan. Attend both sales. AUCTIONEER—Z. S. BRANSON.

Jesse Johnson will represent Kansas Farmer. Send bids to him, in our care.

J. O. HUNT
Marysville, Kan.

DUROC JERSEY BROOD SOW SALE EXTRAORDINARY

—UNDER COVER, AT—

Elmdale, Kansas, Saturday, February 24th, 1912

50 HEAD—15 TRIED SOWS, 25 FALL YEARLINGS AND 10 EARLY, GROWTHY SPRING GILTS—50 HEAD

This offering includes a part of Mr. Blackshere's sensational show herd, and practically every sow and gilt in this sale is itself a state fair prize winner or is sired by or out of a prize winner, and they are all bred and nearly all safe in pig to boars that are state fair winners or sons of winners.

THEY HAVE THE BLOOD THAT GOES ON AND PRODUCES WINNERS.

These sows and gilts are by such sires as J. R.'s Chief and Valley B., two good sons of Valley Chief, one of the best breeding sons of Ohio Chief. J. R.'s Chief headed the sensational young herd of 1910, and was first in senior yearling class at Hutchinson, 1911. Others are by such sires as High Chief, winner of first as get of sire, Hutchinson, 1911, and Dandy Lad, a full brother to the grand champion at Hutchinson, 1911. Top Notcher Rose (by Tip Top Notcher), grand champion sow, Hutchinson, 1909, will have daughters and granddaughters in this sale. One of her daughters was grand champion the following year.

Lincoln Model, dam of J. R.'s Chief, will be represented by one daughter and three granddaughters. Lady Wonder, a granddaughter of W. L. A.'s Choice Goods and dam of the grand champion sow, Hutchinson, 1911, will be represented by several daughters and granddaughters. King's Surprise by King of Cols. and dam of part of 1911 show herd, will furnish several daughters for this sale.

They are safe in pig to such sires as J. R.'s Chief 97767, J. R.'s Col. 14377, by Graduate Col., and out of Goldie May and Model Col., by the same sire and out of Model Maid 10th. J. R.'s Col. was the top young boar of Geo. Seckman's dispersion sale, and is a full brother to Grandmaster Col. 1st and 2nd. This excellent cross of Col. sires on Ohio Chief blood cannot help but continue to produce prize winners.

AUCTIONEERS—COLS. LAFE BURGER, WOOD AND CROUCH. FIELDMAN—O. W. DEVINE.

J. R. BLACKSHERE,

Write today for catalog. Address,

ELMDALE, KANSAS

S. N. HODGSON & SONS

—ANNUAL SALE OF—

**Big Husky, Big
Bone Poland Chinas**

—AT—

**Parker, Kansas,
February 9th, 1912.**

FIFTY HEAD FIFTY

tried sows, fall yearlings; some early spring gilts and a few boars. The sows are sired by Standard O. K., Hadley Boy, Orphan Chief, Big Victor, Grand Look 2d, Thousand Pound Jumbo, Blain's Wonder, The Lion, Bean's Wonder; John-Long, Hutch, Jr., Logan Ex. and Prince John. None of these sows are over 2 years old and are the best bunch I have ever offered, and we want all farmers and breeders to attend. Twenty head are bred to the great breeding boar, Standard O. K. by O. K. Price, by Price We Know, and out of Standard Lady. Twenty head are bred to Metal Victor, by Big Victor and out of Metal's Fancy. Ten head are bred to Black Expansion by The Lion, he by Mammoth Ex. My catalogs are ready to mail out. Send for one and come and spend a day with us. If, for any reason, you cannot come, bids may be sent to O. W. Devine, in my care, who will buy for you. For catalog, apply to

**S. N. Hodgson & Sons
Parker, Kansas**

AUCTIONEERS—COLS. F. J. ZAUN, J. W. SPARKS, S. L. JACKSON.
Sale held right in town in good, comfortable pavilion.

Lamer's Percherons SALINA, KANSAS

Senty-five (75) Head of Imported and Home-grown Percheron STALLIONS, MARES and COLTS, all ages, for sale **WRITE or COME AND SEE ME** before you buy.

**C. W. LAMER,
Salina, # # # # # Kansas**

100 Head of Imported and Home-bred Stallions

and mares of the different breeds, 50 head of coming 3-year-olds, big boned, American-bred, pasture-raised stallions; the kind that give satisfaction, the kind that breed.

Reference: Any bank in Grand Island, Cairo or Bridgeport, Neb. History of the horse and large calendar sent free to horsemen.
**NORTH-ROBINSON DEAN CO.,
Grand Island, Neb.**

L. V. OKEEFE

POLAND CHINA SALE

At Stilwell, Kansas,

FEBRUARY 14th, 1912

FIFTY bred sows and gilts, the big, practical kind, bred for early litters. Thirty head are bred to Big Logan Ex., sired by Mammoth Ex. Twenty are bred to Grand Look, J. R.'s Model by Grand Look, Jr., and Logan B. Most all my herd is immuned. The blood lines of my sows are from the following sires: Designer, Grand Leader, Orphan Chief, Kansas Wonder, Grand Look, Jr., Mammoth Ex. and Silver Metal. Catalogs are ready. Send for one. Sale will be held in Stilwell, Kan. For catalog, address me at Bucyrus, Kan. Bids may be sent to O. W. Devine or either auctioneer, but we will be pleased to have all farmers and breeders come and spend a day with us.

**L. V. OKEEFE,
Bucyrus, Kansas**

AUCTIONEERS—COLS. R. L. HARRIMAN, JAMES W. SPARKS, ANDY JAMES.

AULDRIDGE & SON'S

Duroc Sow Sale

**AT PATTONSBURG, MO.,
THURSDAY, FEBRUARY 22, 1912.**

A high-class offering of Duroc Jersey sows, a number of them bred to our great boar, Buddy K., a grandson of Buddy K. 4th; others to Duchess Model, and several to a son of B. & C.'s Col. Write us for catalog.
JASPER AULDRIDGE & SON, Pattonsburg, Missouri.

STALLIONS

Yes, "Stallion Price Cutter"—that's what they call me, and I am proud of the title. I want to place one or more of my stallions or mares in every township, and I have 60 head now on hand and another importation to arrive this month, and I am going to slice prices on a grand scale. Will give you the best of terms and a cash guarantee. All my horses are registered in books approved by the government. I want you to look at other horses before coming, and then it is up to me to make good to you that I am selling them worth the money. Remember, I pay your expenses if you don't say my prices are right, considering quality. Write or come and see me and I will assure you a bargain.

L. R. WILEY, EMPORIA, KANSAS

FIELD NOTES

FIELD MEN.

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

PURE BRED STOCK SALES.

Percherons and Jacks.
22—O. B. Price, Burr Oak, Kan.
22—McKinnie & McMillan, Beloit, Kan.
29—John T. Fry, Udall, Kan.
Jacks and Jennets.
26-27—G. C. Roan, La Plata, Mo.
28—L. M. Monsees & Sons, Smithton, Mo.
29—W. J. Finley, Higginsville, Mo.
Herefords.
27-28—Jones Bros., Council Grove, Kan.
Holstein-Friesians.
6-7—Rock Brook Holsteins, H. C. Hissman, Station B, Omaha, Neb.

Jersey Cattle.
17—F. W. Comfort, Westmoreland, Kan.
25—Sale at Hiawatha, Kan. Western Jersey Cattle Breeders' Henry E. Wyatt, Falls City, Neb., Manager.

Shorthorns.
22—C. E. McKinnie, Beloit, Kan.
24—R. E. Maupin, Pattonsburg, Mo.
10—H. M. Hill, Lafontaine, and S. C. Hanna, Howard, Kan. Sale at Fredonia, Kan.

Aberdeen Angus Cattle.
30—American Aberdeen-Angus Breeders' Association sale at Omaha, Neb. Chas. Gray, secretary, Chicago.
2—American Aberdeen-Angus Breeders' Association sale at Chicago. Chas. Gray, secretary, Chicago.

Poland Chinas.
14—H. L. Faulkner, Jamesport, Mo.
14—John C. Halderman, Burchard, Neb.
14—George Wedd & Son, Spring Hill, Kan.
15—Dr. John Gildow & Sons, Jamesport, Mo.
15—Ira C. Kyle & Son, Mankato, Kan.
13—H. B. Walter and H. C. Graner, Sale at Effingham, Kan.

15—L. V. Okeefe, Bucyrus, Kan.
16—J. H. Harter, Westmoreland, Kan.
17—Fuller Bros., Gault, Mo.
20—E. E. Logan, Beloit, Kan.
20—J. D. Spangler, Sharon, Kan.
20—J. R. Nave, Gardner, Kan.
20—Roy Johnston, South Mound, Kan.
21—W. A. Brewster, Asherville, Kan.
21—G. S. Hamaker, Pawnee City, Neb.
22—C. W. Jones, Solomon, Kan.
22—J. Erhart, Adrian, Mo.
23—R. E. Maupin, Pattonsburg, Mo.
24—C. H. Pilcher, Glasco, Kan.; sale at Concordia, Kan.
26—C. S. Nevius and Ralph Wedd, Chiles, Kan.
27, 1912—L. R. McClarnon, Braddyville, Ia.
28—J. W. Pfander & Sons, Clarinda, Ia.
2—F. W. Barber, Franklin, Neb.
6—T. M. Willson, Lebanon, Kan.
7—W. H. Emens, Elmdale, Kan.
9—B. M. Bell, Beattie, Kan.

Duroc Jerseys.
7, 1912—Frank Elder, Green, Kan.
7—Furrman & Sons, Oregon, Mo.
8—Samuelson Bros., Cleburn, Mo.
9—Samuelson Bros., Blaine, Mo.
13—J. O. Hunt, Marysville, Kan.
14—Thompson Bros., Garrison, Kan.
15—Horton & Hale, DeKalb, Mo.
15—Robert I. Miller, Table Rock, Neb.
17—John W. Shuck & Sons, Burr Oak, Kan.
22—O. B. Price, Burr Oak, Kan.
22—Jasper Auldridge & Son, Pattonsburg, Mo.
February 24—J. R. Blackshere, Elmdale, Kan.
February 26—Ward Bros., Republic, Kan.
February 27—Monasmith, Formosa, Kan.
February 27—R. D. Martin & Sons, Eureka, Kan.
28—Leon Carter, Asherville, Kan.
28—G. C. Norman, Winfield, Kan.
29—J. W. Wohlford, Waterville, Kan.
March 12—Sam Drybread, Elk City, Kan.

Hampshire Hogs.
14—W. F. Davis, South St. Joseph, Mo.
22—O. B. Price, Burr Oak, Kan.

Real Estate Auction.
Last Call for Hull and Bean.
Don't fail to read the Poland China sale advertisement in this issue of George M. Hull and C. E. Bean. This sale will be held at Garnett, Kan., in comfortable sale barn. This is a grand lot of brood sows and gilts offered in this sale on February 7. Devine will represent Kansas Farmer. Bids may be sent to him.

H. L. Faulkner's Cholera Proof Offering.
The entire offering of old, original, big spotted, spotted Polands to go in H. L. Faulkner's sale, to be held in Jamesport, Mo., February 14, is cholera proof, all of them having been vaccinated in November and again in January with the state serum. Mr. Faulkner has never lost hogs with disease during the many years he has been breeding the old, spotted kind. This will be the greatest offering in the history of his herd, and it is one that will do the buyers good.

Greendale Shorthorns.
Col. Ed Green, owner of the Greendale Herds of Shorthorns, Berkshires and Shropshires, makes an important change in his business this week. This is no less than removal from the old Greendale breeding farm near Florence, Kan., to another near Howard, Kan. Hereafter those who seek up the young bulls now offered. They are sired by Double Champion, a son of Choice Goods and Ruberta, two of the great animals in Shorthorn history. His Berkshires and Shropshires are well worthy of investigation by buyers. Remember to address Col. Ed Green at Howard, Kan., and mention Kansas Farmer when you write.

The Big, Husky Polands.
We ask Kansas Farmer readers' attention to the sale advertisement of S. N. Hodgson & Son, Poland China sale, to be held at Parker, Kan., on Friday, February 2, at 10 o'clock. Mr. Hodgson & Son are selling a useful lot of well-bred sows, and the herd boars they are bred to have, some of the best blood lines known to the breed. The first pair is Standard O. K. by O. K. Price by Price We Know. O. K. Price was a hog weighing 1,000 pounds, and Price We Know

weighed 955 pounds and was a great show boar. Metal's Victor by Big Victor. This hog comes from the well-known herd of D. C. Lonergan, at Florence, Neb., and is the best one he ever sold. Several sows will be bred to this young hog, and should prove good investments to any farmer or breeder. Black Expansion is also strongly represented in the herd and a number of good sows will be bred to him. The catalog is ready to mail out. Don't fail to get one, and arrange to attend the sale. Sale will be held right in town. Good train service.

Big Logan Ex. Poland Sale.
On February 14, L. V. Okeefe, at Stilwell, Kan., will sell 50 bred sows and gilts. They are the big, practical kind, bred for early farrow. About 20 sows are bred to Big Logan Ex., he by Mammoth Ex. Twenty head are bred to Grand Look, Jr.'s Model he by Grand Look, Jr. Most all this herd is immune and can be bought with entire safety. Please read sale advertisement and send for a catalog, and come to the sale. This promises to be one of the good sales to be held this year, and Mr. Okeefe is one of the very successful and reliable breeders. He knows how to grow and breed large Polands, and the blood lines in the herd should attract breeders' attention to this sale. If you cannot attend, O. W. Devine will represent Kansas Farmer and buy for you should you wish to buy.



Holsteins for Sale.
In this issue, J. P. Mast, of Scranton, Kan., is offering a few choice young bulls, and cows just freshened. Mr. Mast has a number of cows and heifers in this herd sired by the noted bull, Prince Ormby Mercedes De Kol, now owned by the Nebraska College, at Lincoln, Neb. He also has the great breeding bull, Dutchland Cornucopia, sired by Detry No. 6257. Mr. Mast probably has one of the best bred herds in the state, and the records kept from this herd show that they are remarkable producers and are above the average. If you want good, reliable cows with good records, you can do no better than to buy from this herd. Any reader of Kansas Farmer can rely on what Mr. Mast says being correct. Please read card advertisement in this issue and write for prices. Please mention Kansas Farmer.

James G. Long's Sale.
The annual bred sow sale of James G. Long of Harlan, Ia., was held in the sale pavilion in that city January 24. Mr. Long breeds the Mastodon Poland Chinas and his offering this year was a good one. The sale was attended by breeders from Iowa, Nebraska, Kansas, and other states, but when the breeding and quality of the offering is considered the average of \$40 per head for 50 head was hardly as high as it should have been. The following is a list of buyers at \$30 per head and over: Joe Patrick, Dana, Ill., \$63; Ross Hill, Jefferson, Iowa, \$65; A. D. Hansen, Harlan, Iowa, \$53; A. Sorenson, Harlan, Iowa, \$40, \$38, \$42, \$32.50, \$35; H. G. Mendenhall, Audubon, Iowa, \$40; Frank DeKlotz, Kirklund, Iowa, \$35; Jake Nelson, Harlan, Iowa, \$40; John Sorenson, Harlan, Iowa, \$38, \$39, \$41; A. S. Duff, DeSoto, Iowa, \$55; O. F. Applegate, Oakland, Iowa, \$51; E. B. Mendenhall, Audubon, Iowa, \$82; A. J. Swingle, Leonardville, Kan., \$40; R. C. Pomeroy, Shelby, Iowa, \$32.50; John C. Myrep, Harlan, Iowa, \$49; John Stephan, Ambrose, Ind., \$45; J. Stoiles, Harlan, Iowa, three head at \$43 per head; C. L. Lehr, Buck Grove, Iowa, \$32.50; A. B. Mendenhall, Audubon, Iowa, \$40; A. S. Sorenson, Harlan, Iowa, three head at \$37.50 per head; John Smith, Harlan, Iowa, \$34.50; A. B. Mendenhall, \$35; H. S. Shomer, Harlan, Iowa, \$41; Frank DeKlotz, three head at \$32.50; John Duff, \$35; E. Kilgore, Harlan, Iowa, \$35; R. M. George, Larsen, Harlan, Iowa, \$32.50; R. C. Pomeroy, \$32.50; Frank DeKlotz, two head at \$33.50; H. S. Shomer, \$37.50; H. S. Shomer, two head at \$35.50 per head. Mr. Long's offering for the spring trade will consist of a fine lot of early fall pigs of both sexes.

On February 26, C. S. Nevius and Ralph Wedd will sell 50 bred sows and gilts. The sale will be held at Mr. Nevius' farm, at Chiles, Kan. Please watch for further mention in Kansas Farmer. Sale advertisement will appear in February 10 and 17 issues. For catalog, apply to C. S. Nevius, at Chiles, Kan.

Blackshere's Prize Winners Sell February 24.
J. R. Blackshere, Elmdale, Kan., will sell a draft from his fine herd of Duroc Jerseys at public auction on Saturday, February 24. The offering will consist of 15 tried sows, 25 fall yearlings, and 10 early spring gilts, and will include a part of his sensational show herd which has brought him so much honor and so many prizes in the state fairs of two states during the last few years. Practically all of the offerings will be either state fair prize winners or the daughters of state fair prize winners of the present year. Top Notcher, grand champion sow at Hutchinson, will have daughters and granddaughters in this sale, and these will include a grandchild of the following year. King's Surprize by King of Cols. was dam of part of a 1911 show herd and will have several daughters in this sale. Lady Wonder, a granddaughter of W. L. A.'s Choice Goods and dam of the grand champion sow at Hutchinson last fall, will have a number of daughters and granddaughters in this sale. The offering is bred to the present herd boars J. R.'s Chief 97767, J. R.'s Col. 14377 and Model Col. by Graduate Col. and out of Model Maid 10th. This splendid cross of Col. sires on Ohio Chief blood cannot fail

to make good. Write at once for catalog, and send bids, if you find it impossible to attend, to O. W. Devine, field man for Kansas Farmer, in care of Mr. Blackshere.

On Friday, February 9, Dan Wilcox, of Cameron, Mo., will sell a draft of O. L. C. bred sows and gilts of the best breeding known to the breed. The sires represented in this offering are Kerr Dick, White Oak, Kansas King, McKinley and Jackson's Chief, the Louisiana Purchase prize winner. The sows are all in strong breeding condition and are bred to the present herd boars, Frost Buster 29745, Big Oak 27263, and Crystal Oak. There is no better breeding in the O. L. C. herd book and here is a fine chance to secure a choice lot of good animals at your own price. Remember the date, February 9, and the place, Cameron, Mo., which is only a few miles out from either Kansas City or St. Joe, with excellent train service. Col. Thomas E. Deem is the auctioneer, and bids may be sent to him with confidence, as he is an experienced buyer.

M. V. Dillingham, of Blue Springs, Mo., is offering six black jacks for sale. The writer has seen these jacks and they are good size, with heavy bone, and priced very reasonable for high-class stock. Please read advertisement in this issue and go see them.

Walter's and Graner's Combination Sale.

Breeders and farmers of Kansas and adjoining states should bear in mind the big type Poland China sale to be made by H. B. Walter and H. C. Graner at Kan. on Tuesday, February 14. The offering will include 16 tried sows sired by such great boars as Expansive and Guy's Monarch. The gilts are high-class daughters of the boars mentioned, together with Kansas Victor, Sampson Chief, etc. A lot of them will be bred to the great boar, Long King's Best, by Long King's Equal, the boar that topped the best sale held in Iowa last August. Others will be bred to Sampson Chief, Guy's Monarch, and others. This will be one of the big sales of the winter, and should be investigated by the best breeders. The boars offered are herd boar material. Write at once for catalog, mentioning Kansas Farmer. This sale will afford the last opportunity to buy daughters of the noted Poland China boar, Expansive, whose cut is herewith presented. Many of these sows will be bred to Long King's Best 6135, perhaps the greatest son of the famous big type boar, Long King.

Hamaker Sells February 21.

The farmers and leading Poland China breeders of Nebraska and Kansas will be interested in the fact that Mr. George S. Hamaker, the well known and successful breeder of big type Poland Chinas, will hold his annual bred sow sale at the farm one mile west of Pawnee City, Neb., on Wednesday, February 21. Mr. Hamaker always has a choice offering, and for years the get of his two herd boars, Growthy King and Looks Grand, have been sought after by some of the best hog men of the two states. This is the last chance to buy gilts sired by these boars, and the fact that they will be bred to a pair of very promising young boars bred by Peter Mow should make this sale doubly attractive. For size and smoothness, coupled with prolificacy, it is doubtful if Growthy King can be excelled as a sire of sows. His get always possesses that meaty appearance that can not fail to attract the man that is producing pork. This, with the size which he breeds, makes the purchase of a gilt sired by him one of the safe chases of a gilt sired by those of the safe investments. The Looks Grand gilts have hardly as much size, but those out of the big King Dodo, Johnson's Chief and Big Hadley sows have made excellent brood sows in the past, and this bunch looks just a little better than offerings of the past seasons. Mr. Hamaker is a genius when it comes to feeding and developing a bunch of gilts. He seems to know just how to do it so as to make them get the best possible growth and at the same time not impair their usefulness as breeders. He does it all himself and he is always on the job. The young Mow boars that the females have been bred to are Smooth Big Bone 2d sired by Smooth Big Bone and out of a Tecumseh by Long Orange and out of a Tecumseh bred dam. Both are boars of great size and bone, and there is no doubt about their making a fine cross with the Growthy King and Looks Grand gilts. Write early for catalog, as it will be ready February 1. If unable to attend, send bids to Jesse Johnson in Mr. Hamaker's care at Pawnee City, Neb.

Good Poultry Fencing.

Until quite recently the standard poultry fence, or rather poultry netting, was made of Nos. 19 and 20-gauge wire, about as thick as a pin. Netting of this kind does not have the body to wear more than a few seasons. Then again, this chicken netting requires posts set close together, as well as top and bottom boards between posts; otherwise it would not stand up, but would bag, look limp and unsightly. All those who are looking for something better—something more substantial and durable, in fact a real poultry fence made of heavy wires—almost as heavy as regular farm fences are made from, with wires closely woven and chick-tight and every wire double galvanized—are advised to write the Brown Fence and Wire Company, Cleveland Ohio, Dept. 39, who make such a poultry fence, for their free catalog.

Particular attention is called to the saving in lumber, as well as labor, in building such a fence as the "Brown," because the wires are so large and the fence so heavy that posts can be set double the distance apart, and no top or bottom boards are required.

Valuable Book of Accounts for Farmers.

Readers of this paper should take advantage of the generous offer of the Bickmore Gall Cure people in our advertising columns and write for their free Farmers' Account Book. Every farmer has a need of such a book. This one is specially designed for farm use. Farmers find it much better suited to their wants than ordinary books they get at the store. If they will use this book as they should their business will be better systematized, they will have a more accurate idea of what brings in a profit, where the losses are, etc. The book is prepared and published by the makers of Bickmore's Gall Cure, that long-time sovereign remedy for galls, sore shoulders, wire cuts, etc.—the remedy which "cures while you work the horse." It is not necessary to send work to the Farm Account Book. Simply write the Bickmore Gall Cure Company, Box 21, Old Town, Maine, and say you would like to have it.

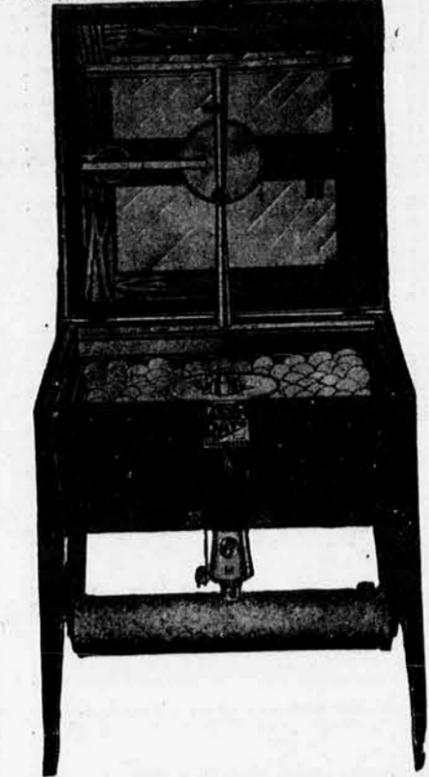
Davis & Co.'s Average \$37.50.

The sale of E. W. Davis & Co., owners of the famous Model Queen Duroc Jersey herd, held at Glenwood, Mo., January 25, was attended by the leading Duroc breeders of several states, and the splendid offering of bred-in-the-purple Durocs were readily taken by the breeders at prices that averaged \$37.50 on the 38 head catalogued. Model Queen 3d, a full sister of Model Queen, topped the sale at \$195. Lester Vanlice of Russell, Iowa, was the purchaser. Lot No. 2, Select Lady, was the next highest at \$135. Another of the good things was Crimson Golden Rod, No. 251254. She was purchased by E. C. Jonigan of Albany, Mo., at \$135. The following is a list of buyers at \$30 and over: Robert Miller, Table Rock, Neb., \$135; Lester Vanlice, Russell, Iowa, \$195; William Sells, Indianola, Iowa, \$100; R. J. Harding, Macedonia, Iowa, \$95; Economy Stock Farm, Shenandoah, Iowa, \$88; E. C. Jonigan, Albany, Mo., \$135; J. C. Drose, Fairview, Neb., \$71; Economy Stock Farm, \$60; Murray Putman, Tecumseh, Neb., \$76; W. O. Smith, Thompson, Mo., \$66; John Jenks, Fairfield, Iowa, \$45; Economy Stock Farm, \$50; S. C. Rose, Glenwood, Mo., \$38; C. E. Drake, Memphis, Mo., \$33; C. D. Lyons, Axline, Iowa, \$52; W. F. Worthington, Worthington, Mo., \$36; Dan Garlich, Lancaster, Mo., \$40; Don Wilkins, Macon, Iowa, \$97.50; W. L. Framan, Glenwood, Mo., \$50; J. C. Theobald, Oklawaha, Neb., \$38; James Hensley, Green City, Mo., \$33; N. G. Cone, Memphis, Mo., \$59; C. D. Colwell, Milan, Mo., \$40; A. R. Olson, Madrid, Iowa, \$62; C. C. Crickette, Queen City, Mo., \$37.50; N. G. Cone, Memphis, Mo., \$40; N. G. Cone, \$45; W. E. Worthington, \$37; C. E. Drake, Memphis, Mo., \$38; James Hensley, Green City, Mo., \$30; John Payton, Queen City, Mo., \$31; James Turner, Kirksville, Mo., \$37.50; W. A. Peak, Tecumseh, Neb., \$31; Hanks & Bishop, New London, Iowa, \$30.

W. J. McBrayer of Hamilton, Mo., has claimed Saturday, March 2, as the date of his closing out sale of draft and standard-bred stallions, jacks and jennets. The breeding stock that will go into this sale will be strictly high class and the offering will be one that will interest breeders wanting stallions, jacks or jennets.

Rayo Incubator, the Scientific Modern Incubator.

As an abstract proposition, an incubator is only as good—as can only be as good—as the principles upon which it is constructed. During the past ten years, particularly since 1907, incubator manufacturers have delved deeply into these principles, and the result of their researches in this direction is apparent in the great improvements which the modern incubator shows. It is a very well established fact that a large part of the efficiency of an incubator depends upon the heating system, or, more particularly, upon the methods which are employed to secure an equal radiation of



heat. No matter how perfectly an incubator is built, or how high the quality of materials employed in its construction, if the radiation system is not adequate, the machine will be a failure, even in the hands of the most experienced operator.

The accompanying illustration shows a machine which is built upon radically different principles. It will be noted that the lamp which furnishes the heat is directly under the center of this machine claim that that is the only method by which an absolutely perfect radiation can be secured. It will be noted, too, that the oil tank on this machine is exceptionally large. The manufacturers tell us that this tank will hold about six quarts of oil, and that, even in the most severe weather, this is more than sufficient for the entire hatch. They claim that the great economy of oil is due to the position of the lamp, or, in other words, to the economy of heat. It is claimed that in this machine there is no waste heat—that every bit of heat is utilized to raise the temperature of the egg chamber—consequently less heat and less oil is required. The illustration further shows how it is possible, in this machine, to turn and cool the eggs without removing the egg tray. This would seem to prove conclusively that this incubator would require much less work on the part of the operator than a machine where it is necessary to take out the egg tray each time it is desired to turn or cool the eggs.

The machine here pictured is the Rayo Incubator, manufactured by a coterie of incubator specialists and inventors of Blair, Nebraska. It is the product of 11 years' study. The company which makes this machine has lately issued a very interesting booklet entitled "Eggs to Money," containing a full description of their line of incubators and brooders, and much valuable poultry information. We are informed that this book is entirely free, and that it will be sent immediately to anyone sending their name and address on a postal card.

A nice bunch of Polled Durham bulls are for sale by C. M. Albright, of Overbrook, Kan., who also wants to get a new bull for his own use. Note his advertisement.

I. W. Poulton, Medora, Kan., offers two Red Polled bulls for sale. They are as well bred as any in the breed and are in good, thrifty condition. Also two Duroc Jersey sows bred to the first of April, and a nice bunch of fall pigs, all for sale.

Elder's Sale. Don't overlook the big dispersion Duroc Jersey sale to be made by Frank Elder, of Green, Kan., February 7. Remember, about 100 head will be sold, also the choice well improved hog farm adjoining town.

Smith Sells Jerseys. S. S. Smith, Jersey cattle breeder of Clay Center, Kan., reports big inquiry and good sales through his advertisement in Kansas Farmer. He has recently sold a couple of fine cows and a choice yearling bull sired by the noted Kinloch bull Beatrice Stockwell to Mr. Herman Chuette of Washington, Kan.

Cherokee, Okla., March 4, 1907. Currie Windmill Co., Topoka, Kan. Gentlemen:—Find enclosed order for two sets of burrs for two of your Kaw Grinders. These mills have been in service for the past 12 years and have ground at least 12,000 bushels of grain. I also have one of your windmills which has been in use for 13 years and have not been out a penny for repairs, and it has never given me a minute of trouble in any way. Yours truly, A. T. BERNARD.

A. M. Walker's Percherons. Mr. A. M. Walker, of Laclede, Mo., a prominent Missouri breeder of registered Percherons, is offering a number of outstanding young stallions and mares for sale. Mr. Walker has a very high-class herd of Percheron mares and two of the best herd stallions in the state. The young stock now offered for sale is of a class that should interest all lovers of high-class Percherons. Write Mr. Walker at Laclede for description of stock for sale.

Jersey Bulls for Sale. Thompson Bros., Garrison, Kan., breeders of Duroc Jersey swine and Jersey cattle, offer at private sale their herd bull, Denmark Champion 83703. He is a bull of extra choice dairy conformation and tracing on sire's side to Golden Lad. He is gentle and an excellent breeder. The only reason for selling is that he has produced a fine lot of heifers and a change of sire must be made. He has many near dams with high tests.

Amcoats' Shorthorns. S. B. Amcoats has sold all of his Poland China boars, but has a few gilts left for sale, and so he changes his advertisement. The Shorthorn bulls he is offering are Scotch and Scotch topped and run from 8 to 18 months old. He also has a two-year-old bull and a few cows and heifers that he can spare. These females will be sold either bred or open. Never was such a good time to get into pure-bred stock and do it right, in recent years, as right now, and Amcoats has the Shorthorns and Polands. Write him for particulars.

Cottingham's Percheron and Shorthorn Sale. At McPherson, Kan., on February 1, W. H. Cottingham & Sons will hold one of their big sales which will include 50 head of horses and 12 Shorthorn cattle. Five Percheron mares and one stallion, three French Draft mares, one registered Morgan stallion and a fine lot of high-class mares and geldings weighing 1,400 to 1,600 pounds. The Percherons are registered, and these horses and the Shorthorns will give farmers as well as breeders and buyers a splendid chance to secure good stuff at their own prices. Write for catalog and mention Kansas Farmer.

Shorthorn Bulls for Sale. S. B. Amcoats, Clay Center, Kan., reports excellent sales on big-type boars and is all sold out, but has for sale a fine lot of bred gilts, all out of mature dams and bred to his great young boar, a son of Metal's Choice. Mr. Amcoats also has for sale 10 extra choice Scotch and Scotch topped Shorthorn bulls. They are just right for service and will be priced reasonably for this kind of stock. A few cows and heifers are also offered. Mr. Amcoats says his stock is in nice shape, notwithstanding the severe cold weather. Write Mr. Amcoats about what he has for sale, and be assured that the animal will be exactly as described.

Walter and Graner Sell Together. H. B. Walter of Effingham and H. C. Graner of Lancaster, Kan., have joined forces and will hold a joint bred sow sale on February 13. This union makes it possible to get up one of the greatest bunches of big-type Poland China sows ever offered at public auction in Kansas. A big lot of the offering will be sows and gilts sired by the great Expansive and bred to the noted Iowa bred boar owned jointly by Walter and Graner. No matter what happens, keep this sale in mind and rest assured that you will be highly pleased if you attend. Write to either party any time for catalog. The sale will be held at Mr. Walter's farm near Effingham.

Enos' Poland Chinas Sell Low. The A. R. Enos Poland China sale held at Ramona, Kan., last Wednesday, was not well attended, and the crowd was not adequate to take the offering at prices that such stock should sell at. Local conditions were very unfavorable, and buyers were kept away on account of the extreme cold weather of the week preceding the sale. It was the prevailing opinion that had the sale been held two weeks later, a much better average could have been made. Mr. Enos did his part, as he always does, and put up one of the best bunches that will be offered this year. An average of about \$30 was made—too low by half for the kind Mr. Enos raises.

Auldridge & Son's Duroc Sale. Jasper Auldridge & Son of Pattonsburg, Mo., well known breeders of high-class Duroc Jersey swine, are announcing a sale of bred sows in this issue of Kansas Farmer. Their annual bred sow sale this year will be held February 22 and they will have a very high-class offering of big, smooth sows of the easy feeding, prolific kind, bred right and a carefully selected lot of individuals. A number of the sows are bred to the great Duroc boar, Buddy K, a grandson of Buddy K 4th, others to Duchess Model, and a number to a son of D. & C's Col., all very high-class boars. Several daughters of Buddy K will be in this sale, and the entire offering will be a very desirable one. Write for catalog and if possible attend this sale. Please mention Kansas Farmer when writing.

Albert Smith & Sons' February 7 Sale. Believers in the big, strong-backed, stretchy, smooth-type Poland Chinas should bear in mind that Albert Smith & Sons will hold another of their great bred sow sales at the farm near Superior, Neb., on February 7. The offering this year is an exceptionally good one. The fall yearlings, of which there will be 23, are as high-class a lot as was ever offered at auction. They represent blood lines that have made big-type breeding in demand. The tried sows that go in are sows that have proven their right to have a place in any of the very best herds, but they accumulate, and it is the policy of this progressive firm to put in a few of their very best sows every year. They are always attractions and always make good in good hands. This is one of the sales that it is worth while to attend. Even from the standpoint of education, the average hog man will be well paid for attending this sale, even if he isn't in the market for a sow. Write for catalog and study it. Mention Kansas Farmer.

Miller's Durocs Sell February 15. One of the attractive Duroc Jersey bred sow sales of the winter will be that of Mr. Robert T. Miller of Table Rock, Neb., Thursday, February 15. The sale will be held right in town and under cover so that everyone can be made comfortable. Mr. Miller is one of the most extensive hog raisers and breeders in the state of Nebraska. This will be his first public sale, and he has selected from among large numbers 40 head of outstanding good ones—tried sows and early farrowed spring gilts. They will be bred to the great bars Royal Critic and Col.'s Professor, both prize winners and excellent breeders. The spring gilts were sired by Ohio Col., Crimson Jack, Golden Rule Jr. by Golden Rule, Royal Critic, and other boars of note. Royal Critic was sired by Ruby Critic, he by Glendale Critic, and his dam was the undefeated show sow Royal Blossom 5th. Gilts sired by Royal Chief averaged \$116 a head last fall, and went to breeders of several different states. Col.'s Professor was sired by the great State Fair champion B. & C's Col., and his dam was Professor's Lillian by Professor Col. Professor won first under six months at the Kansas City Royal, and stood the same at Missouri State Fair.



The great Duroc Jersey herd boar G. C.'s Col., whose cut is shown above, is included in Frank Elder's dispersion sale at Green, Kan., February 7. A lot of good females sired by him, and others bred to him, are also in the sale.

Last Call for Faulkner's Sale. On February 14 at Jamesport, Mo., Mr. H. L. Faulkner, the only exclusive breeder of the old original big boned spotted Poland Chinas, will hold his annual bred sow sale. The offering will include 25 tried sows that have made good in Mr. Faulkner's herd, 10 extra good yearlings of the ideal brood sow type, and 15 spring gilts—the best ever offered at Highview Farm. A number of this offering are bred to Brandywine, and others to Budweiser, some to Billy Sunday, a few to Big Jim, and the balance to Lucky Judge. If you want the big easy feeding meat and lard kind, attend this sale. It will be Mr. Faulkner's greatest offering.

Prewett Sells February 21. W. A. Prewett, one of the old-time breeders of Kansas, will sell a bunch of his famous big type Poland Chinas at auction on the farm near Asherville, Kan., February 21. Mr. Prewett will sell 50 head, composed of 15 tried sows, four fall yearlings, and the rest early farrowed spring gilts. All bred for March and April farrow. The fall and most of the spring gilts were sired by Expansion Chief 0519, a son of Old Expansion, dam by Chief Perfection 2d. The tried sows were sired by such sires as Empire Chief by Chief Tecumseh 3d, First Choice by Grand Look, First Look, etc. The offering will be bred to Expansion Chief and Big Ben 61167 by Black Expansion, he by Pan Famo. Included in the sale will be sows by Smith's Big Hadley and other boars of note.

Improved Stock Breeders' Sale at Caldwell, Kansas. One of the leading features of this sale is that on the first day of the sale, Thursday, February 8, Bishop Bros., Towanda, Kan., will sell 24 head of high-class Percheron stallions and mares—good boned, drafty individuals—ranging in age from two to four years. Don't fail to be at this sale if you want Percherons. Also on this same day, February 8, will be sold 16 head of Shorthorn cows, heifers and young bulls. This includes several young bulls which are prospective herd headers of high merit. They are a useful lot of Shorthorns from such herds as Thos. B. Murphy & Sons, Corbin, Kan.; P. J. Skoog, Corbin, Kan.; L. E. Wooderson, Caldwell, Kan., and by D. L. and A. K. Snyder, Winfield, Kan. R. F. Plummer & Son, of Wellington, Kan., consigns one choice young Polled Hereford bull, Friday, February 9, there will be sold 35 head of hogs, 20 head from the herd of J. R. Roberts, Renfrow, Okla., the well-known Poland China breeder, 10 fancy Durocs from the herd of H. E. Fisher, Danville, Kan. Five Durocs will be consigned by J. E. Ebert and E. E. Kelley. This is the best lot of stock ever offered by the Association. Write today for catalog and mention Kansas Farmer.

215 Pure-Bred Herefords at Auction. The very best chance of the season to buy choice pure-bred Herefords will be at the Jones Brothers' dispersion sale to be held at Council Grove, Kan., on February 27 and 28. The offering will consist of 215 lots, which will include about 60 cows with calves at foot and a large per cent of them bred back again. Everything good enough to sell for breeding stock goes into this sale, making it a real dispersion. All stock too old to be valuable from the standpoint of breeding has been turned with the stock cattle and will be sold as such at the farm site later on. The offering will include 36 bulls ranging in age from 12 to 24 months, and the herd bulls, of which there are a number of note. There will be 100 breeding cows, 30 two-year-old heifers, and 49 yearling heifers. About 25 of the cows are daughters of the noted sire Lincoln 2d, by Cherry Boy, and one of the greatest cow sires of the breed. The entire show herd is, of course, included. It consists of the two-year-old bull, Beau Monarch 54th, sired by Simpson, he by Beau Gondolus. The dam of the show bull is the cow Imp. Prudence. Another of the show herd is the two-year-old heifer Daisy, first prize heifer at several good fairs last fall. The senior heifer calf Sallie, also a daughter of Simpson, was also a first prize winner last fall. The handsome illustrated catalog giving full information is free for the asking. Also pictures of different individuals in the herd suitable for framing free. Mention Kansas Farmer when writing.

Jersey Cattle Dispersion Sale. The best chance the writer knows of to buy high-class registered Jersey cattle will be at the F. W. Comfort dispersion sale to be held under cover at Westmoreland, Kan., Saturday, February 17. Mr. Comfort's offering will consist largely of young cows, a large number of which are now in milk or bred to freshen later. Some very choice heifers and a few young bulls, nearly all old enough for service, including two sired by Imp. Okland's Sultan, first prize bull on the Island of Jersey. Other bulls are by Gold Boy's Guenons Lad. All of these bulls are out of high-testing dams. Still another was sired by a son of the noted bull Eminent 2d. His dam was descended from the World's Fair butter champion

J. O. Hunt Sells February 22. One of the Duroc Jersey bred sow sales of the winter that should attract special attention is that of Mr. J. O. Hunt, Marysville, Kan. His offering this time, composed of 40 head, includes five tried sows that for size and motherly appearance can hardly be duplicated in any herd in the west. Mr. Hunt's long suit always was fall yearlings, and for this sale he has 20 head of extra good ones selected from among a large bunch. The breeding of the offering is quite diversified, and there are representatives of about all of the best known families. But the breeding that prospective buyers will doubtless be interested in is that of old Bessie H., descended from Missouri Girl. This is the breeding that made Mr. Hunt famous. When he won championship on Bessie H. she was almost universally believed to be the best Duroc sow then living. Much of the stuff in this sale traces to this sow, and most of them are of the same splendid type. Mr. Hunt will present the offering in nice breeding condition, as he always does. The sale will be under cover and held sure. Write at once for catalog, mentioning Kansas Farmer. Thompson Bros. sell the day following at Garrison, Kan.

Thompson Bros.' Duroc Sale February 14. Thompson Bros., of Garrison, Kan., among the best known and most successful Duroc Jersey breeders of the west, will hold their annual bred sow sale on Wednesday, February 14. The offering will be a first-class one and will contain about as many sows and gilts sired by prize winners as will be found in any one sale this season. Few breeders can find their way clear to put in one-half tried sows in an offering of 40 head, but this is exactly what Thompson Brothers are doing. Twenty tried sows, all of them great money-making propositions and daughters of as good boars as the breed had produced within the past 20 years. Among them sows sired by Hogate's Model, Tatarax, Wonder Chief, Carl's Critic, King Raven by King of Cols. 2d, etc. A great variety indeed, and a very big per cent of them winners at leading western state fairs. The spring gilts are good and have plenty of size. A big per cent of them were sired by the herd boar Golden Chief by Chief, he by Ohio Chief. The dam of Golden Chief was Maud, a daughter of the great Pearl's Golden Rule. The gilts by Golden Chief are especially choice and very uniform. Others are by Chief Orion, an own son of Ohio Chief with an Orion dam. A few are by White House King, he by the great White Hall King. A few by T. E.'s Col., a son of G. C.'s Col. Quite a number are bred to Blue Valley Chief by the noted Valley Chief making him a half brother to the grand champion boar at Iowa and Nebraska this year. Write at once for catalog, mentioning Kansas Farmer. J. O. Hunt sells the day before at Marysville, Kan. Plan to attend both sales.

Roy Johnston's Sale Good. In Roy Johnston's Poland China bred sow sale on January 29, 79 head averaged \$47.10. The sale was well attended by farmers and breeders. Never before was there such a crowd of breeders gathered at the Johnston farm. The sale was a quick, snappy sale, and the total amount received was very satisfactory to Mr. Johnston. Following is the report in full:

1—Hull & Bean, Garnett, Kan.	\$110.00
4—John Belcher, Raymore, Mo.	62.50
5—E. McDaniels, Columbus, Kan.	47.50
6—L. H. Grote, Morganville, Kan.	55.00
7—Frank Michael, Erie, Kan.	52.00
8—S. N. Hodgson, Parker, Kan.	52.00
9—G. M. Hull, Garnett, Kan.	80.00
10—G. M. Hull, Garnett, Kan.	105.00
11—R. M. Dobson, Independence, Kan.	70.00
12—E. M. Scheopflin, Chanute, Kan.	70.00
13—L. V. Okeefe, Stilwell, Kan.	51.00
14—Frank Michael	62.50
15—L. V. Okeefe	70.00
16—Walter Hoover, South Mound, Kan.	112.50
17—Walter Hoover	37.50
18—J. A. Johnston, South Mound, Kan.	45.00
19—L. H. Grote	50.00
20—J. D. Spangler, Sharon, Kan.	42.50
21—John Belcher	60.00
22—S. N. Hodgson	62.50
23—W. E. Bridges, Slater, Mo.	40.00
24—Fred Johnston, South Mound, Kan.	44.00
25—L. H. Grote	32.50
26—John Belcher	65.00
27—E. McDaniels	42.50
28—L. R. Kershaw, Muskogee, Okla.	37.50
29—G. H. Pike, Erie, Kan.	40.00
30—J. A. Johnston	48.00
31—Ca. A. Thompson, Girard, Kan.	47.50
32—J. A. Johnston	47.50
33—C. S. Balco, South Mound, Kan.	35.00
34—R. M. Dobson	35.00
35—J. A. Johnston	35.00
36—J. D. Spangler	62.50
37—D. B. McEntire, South Mound, Kan.	47.50
38—Fred Boone, South Mound, Kan.	38.00
39—W. H. Charters, Butler, Mo.	26.00
40—Walter Hoover	85.00
41—R. M. Dobson	71.00
42—John Belcher	40.00
43—Fred Johnston	31.00
44—R. M. Dobson	52.00
45—Fred Johnston	50.00
46—Walter Hoover	50.00
47—M. Gillett, South Mound, Kan.	30.00
48—M. Gillett, South Mound, Kan.	40.00
49—R. M. Dobson	49.00
50—W. E. Bridges, Slater, Mo.	45.00
51—L. R. Kershaw, Muskogee, Okla.	42.00
52—L. R. Kershaw, Muskogee, Okla.	42.00
53—L. R. Kershaw, Muskogee, Okla.	35.00
54—L. R. Kershaw, Muskogee, Okla.	35.00
55—Dr. Cloud Moyes, Grain Valley, Mo.	37.00
56—Frank Michael	48.00
57—R. M. Dobson	48.00
58—W. H. Butler, South Mound, Kan.	38.00
59—Salavon Bros., Moran, Kan.	30.00
60—G. B. Gillett	39.00
61—James Gillett, Galesburg, Kan.	48.00
62—E. L. Holstine, Cherokee, Kan.	26.00
63—J. P. Mast, Scranton	35.00
64—W. H. Charters	40.00
65—F. J. Grover, South Mound, Kan.	42.50
66—J. O. Able, South Mound, Kan.	58.00
67—R. M. Dobson	45.00
68—Charles Brown, South Mound, Kan.	37.00
69—R. L. Thomas, Walnut, Kan.	27.00
70—W. A. Baker, Butler, Mo.	57.50
71—S. N. Hodgson	52.50
72—J. D. Spangler, Sharon, Kan.	45.00
73—A. R. Johnston	40.00
74—J. P. Mast, Scranton, Kan.	25.00
75—L. R. Kershaw	30.00
76—L. R. Kershaw	30.00

When a mature crop of corn is put in the silo about half, and when it is cut at the ground and cured in shocks, about 40 per cent of the feeding value is in the stalks, leaves and shucks.

PUBLISHERS' NEWS

Putting Up Ensilage.
An important thing to every silo owner is the proper and most advantageous filling of the silo. Special cutting and elevating machines have been devised for the purpose. Among these one has been very prominently successful and has made friends in silos everywhere used. It is the Papec Ensilage Cutter, advertised elsewhere in this paper. Everyone interested where in silos should have the catalog of this machine. A line addressed to the Papec Machine Co., Box 43, Shortsville, New York, will bring it free by return mail.

Des Moines Silo Can't Collapse.
Every farmer who has seen the Des Moines silo is impressed with the practical value of the special features found on it. The makers of this silo have eliminated the faults which the more critical buyers have found with ordinary silos. The Des Moines silo is made proof against collapse by means of a hoop which fits against the staves on the inside at top and bottom. Attached to the top inside hoop by "U" bolts are guy wires which hold the silo rigid and prevent it blowing over. The heavy cross-piece reinforcement strengthens the door frame. An inflexible silo is assured by reason of the fact that the doors in the Des Moines silo are beveled the same as in refrigerating doors. Any farmer who is contemplating the purchase of one or more silos would do well to write these people. They will send their new catalog, which fully describes the Des Moines silo and gives much valuable information on ensilage feeding. Address Des Moines Silo Co., Station K. F., Des Moines, Iowa.

Robert H. Hazlett Honored.
Mr. Robert H. Hazlett of Hazford Place, El Dorado, Kan., was recently elected president of the American Hereford Breeders' Association to succeed Col. R. E. Edmondson of Claude, Tex., whose death was announced last week. Mr. Hazlett has richly deserved this honor, great as it is. Although a busy man of business, he has found time to advance the interests of Hereford cattle at all times and in all places. He now owns what is believed to be the largest herd of pure-bred Herefords in Kansas and one of the finest in the United States. Indeed, it would be difficult to improve the quality of the Hazford Herefords and a visit to this splendid breeding farm is like watching the show rings of the state fairs. To few men have been given the privilege or the opportunity to advance the interests of a chosen breed that have fallen to the lot of President Robert H. Hazlett of the American Hereford Cattle Breeders' Association.

It Brings Results.
I want to report a good year's business in Kansas for 1911, and I want to thank Kansas Farmer for helping me to get the business. I think the sale records of the year will show that I have made about all the horse and jack sales, as well as all the Shorthorn cattle sales that have been held in that good state, and, besides, I have had my share of the large type hog sales. These are my specialties, as you know, and I feel just a little proud of my year's work in Kansas. Now, it is not only in connection with my auction business that I am indebted to Kansas Farmer for help. You have been helping us to sell our Short-horns and our Poland Chinas. Just recently we shipped a \$500 bull to Mr. H. H. Holmes of Great Bend, Kan., and this week a \$500 boar to Mr. J. F. Lloyd of Jefferson, Kan. Kansas Farmer, together with the good work of your fieldmen brought us both these buyers.—R. L. Harriman, Bunceton, Mo.

Stop Hog Cholera.
At this time when thousands of hogs are dying from cholera, every reader should send for the big free \$1 package of Wilbur's Stock Food which this company offers to give you as a sample. They claim that this stock food fed to your hogs absolutely prevents cholera and removes all worms. Wilbur's Stock Food is also guaranteed to fatten and condition hogs, cattle,



horses, sheep and poultry in much less time than without its use. It is a wonderful milk maker, body toner and feed saver. Over one-half million farmers feed Wilbur's Stock Food and have bought it for almost a quarter of a century. See the big free \$1 box offer on back page of this paper. The address is Wilbur Stock Food Co., 461 Huron St., Milwaukee, Wis.

Aeroplane Collision.
One of the most novel accidents of the year, and one that is indicative of twentieth century progress, occurred at the Oakland, Cal., motordrome shortly before the holidays when an aeroplane collided with a motorcycle when both were traveling at a high speed. Fortunately it was the machine that bore the brunt of the impact, and both the aviator and the motorcyclist escaped with a few bruises.

The details were received a few days ago by the Goodyear Tire Rubber Company, of Akron, Ohio, that firm being especially interested in the case because both machines were equipped with their tires, and in addition the aeroplane was covered with their rubberized fabric.

The collision occurred as Masson, the French flier, was descending from a flight over the motordrome, having been up an hour and reached an altitude of 7,500 feet. He had shut off his motor and was volplaning at a high speed, but apparently misjudged the distance between him and the earth. He swooped down over the track a few seconds after the finish of the ten-mile race, which had been won by Joe Wolter, of Chicago, this being his third victory of the day. As Wolter shut off his engine and was sowing up, the aeroplane crashed into him from the rear, the left wing knocking him from his seat, and machines and men went down in a heap. Wolter was picked up in a dazed condition, but was so little injured that he was able to ride the next day, while Masson, after repairing the damaged wing, was able to make another flight the same afternoon.

Wolter was riding the same set of Blue Streak tires on which he set a new world's record for ten miles the week previous, his

time for that distance being 6 minutes and 54 seconds, and his fastest mile having been covered in 41 1/2 seconds—a speed of almost 87 miles an hour.

A Mark and Its Meaning.
Keen Kutter tools, made by the Simmons Hardware Company of St. Louis, are the expression of real quality from every point of view. The one great purpose back of every manufacturing effort is satisfaction to the user and to the dealer. That brings satisfaction to the Simmons Company, and makes friends of all customers.

Keen Kutter tools have been a final definition of the word quality for more than forty years. The Keen Kutter trade mark was designed as a positive guarantee that every tool or implement that bears it is of first quality, and that all claims made for them are backed by the Simmons money. In effect as a written agreement. The fact that the Keen Kutter trade mark is stamped on the metal or attached to the wooden handle of any tool is all that is required for a quick refund or a new tool, if not as represented.

The Keen Kutter trade mark makes tool buying a matter of certainty, instead of a matter of chance. Keen Kutter means the very top notch of merit, and is real tool insurance.

Many farmers have bought Keen Kutter tool cabinets equipped with Keen Kutter tools; just enough for the ordinary requirements of the home or a complete set that includes all the tools used by a journeyman carpenter. The prices range from \$8.50 to \$125, the latter being fitted with 115 tools. The cabinets are beautifully made from selected woods and present a very handsome appearance.

Your hardware dealer carries a complete line of Keen Kutter tools for shop, home or farm—or he will get any Keen Kutter piece you want. If not, write to the Simmons Hardware Company, St. Louis, Mo.

\$1,000,000 Poultry Profit.
These startling figures announced by Sam Thompson, maker of the Fairfield Incubator, explode the old feeling that chicken raising is a side issue—a pastime for women and children, but not worthy of the attention of men. Mr. Thompson announces that the 20,000 or more men and women who will buy his Fairfield Incubator during 1912 will make \$1,000,000 more profit during the year. The Fairfield is a real wealth producer because it is creating for the farmer and his wife a substantial profit which otherwise they would not have. The ordinary incubator hatches 40 to 50 per cent. The Fairfield hatches 90 per cent or better. The difference between the two will make the 20,000 people who buy Fairfield this year \$1,000,000 more profit than they would have if they bought the ordinary uncertain hatchers. The Fairfield has been on the market for a number of years, and has gained a very desirable reputation both because of his unique 90 per cent hatch guarantee and because of the substantial make-up of the machine. This incubator is made of California redwood with cypress binding. It is heated by a forced hot water system, heat being generated by a special protected copper lamp. This insures that every egg shall receive the same amount of



heat, and the Fairfield Automatic Regulator keeps the heat uniform without attention from the operator. The egg chamber is high so that the eggs always have an abundance of fresh air, and a roomy nursery provides accommodation for the newly hatched chicks. Sam Thompson sends his Fairfield Incubator on a two-hatch trial. You can hatch two fillings of eggs and if the Fairfield does not hatch 90 per cent or more of all fertile eggs, he will take back the machine and refund your money. He makes this offer to prove to the farmers and farm wives of America that big money can be made from chickens with an incubator whose hatching can be depended on. Anyone interested in an incubator or brooder proposition is urged to write for Mr. Thompson's big catalog and book of poultry information. Address Sam Thompson, Pres. Nebraska Incubator Co., 57 Main St., Fairfield, Neb.

You Can't Get Away From It.

We mean that big red tomato on the front cover page of the Maule Seed Book for 1912. It may not be esthetic, probably is not, but you're sure to see it, and you naturally open the book to see what follows. However, on the back cover page is a beautiful colored plate of the new Crego aster, in all the wonderful coloring of this new candidate for the favor of flower lovers; so the esthetic person can admire the back cover and the matter-of-fact gardener can look at the front cover and both be satisfied. Between the front and back covers are 176 large pages descriptive of the seeds and plants which have made the name of Maule a household word among farmers, gardeners and flower growers from the Atlantic to the Pacific and the regions beyond. It may be noted in passing that some of the most valuable varieties of grains and vegetables, as well as many rare and beautiful representatives of the flower kingdom, owe their introduction to the enterprise and genius of Mr. Maule. He stands in the very front rank of seedsmen for the first-class quality of his seeds and plants, promptness in filling orders and courtesy in dealing with his customers. His Seed Book for 1912 is one of the catalogs which every farmer and gardener should have. His motto is "Your money back if not satisfied" has been his policy for years, and is only made possible by the uniformly good quality of the Maule seeds.

Hog Cholera Remedy.
Hundreds and hundreds of farmers and breeders pronounce Ungles Hoggette to be a safe and complete insurance against hog cholera. This remedy was brought out by a German chemist of high scientific attainments. After extended study of hog cholera, he deduced a theory, the tenability of which is successfully proven by the remarkable record of results which Hoggette has shown during the last 20 years. It is stated on good authority that cholera has never been known on a farm where Hoggette has been regularly used as prescribed. The theory which resulted in Hoggette began with a supposed cholera germ. While science, so

far, has not been able to successfully and indisputably isolate this germ, it is taken for granted that cholera is a germ disease. The chemist's studies brought him to the conclusion that the germ was associated, as a parasite, with a certain intestinal worm; that while there could be and was cholera in herds where there were no worms, it was farther true that if there were no worms there would be no germs and no cholera. Cholera once propagated may spread by infection carriers—the soles of boots and shoes, birds, wind, etc. In this way a herd could be infected while free of worms. But the infection would come from an infection center, developed by germ-creating worms. The chemist put into his final formula a powerful intestinal germicide and a vermifuge. Also, a tonic or conditioner. While worm destruction is going on, the intestines made aseptically clean, the hog at the same time should be given every assistance to build up his physical power of resistance against disease. Whether or not Hoggette works exactly according to the theory upon which it was produced, it is certain that no hog is injured by its use. It is also certain that it dispels all worms and has a great many reliable breeders as friends who say that the small cost of feeding Hoggette regularly is the best investment they can make in their hog raising operations. On the record of results it appears that every farmer and breeder should investigate Hoggette—to give it a trial and thus know that they are not overlooking any chance to have at hand a safe and reliable insurance against loss from hog cholera. A letter to Ungles Hoggette Co., Box K, Lincoln, Neb., will bring further particulars.

J. E. Clary & Sons' Fifteenth Sale.

J. E. Clary & Sons of Sheridan, Mo., who are numbered with Missouri's leading breeders of high class jacks and jennets, are preparing for their fifteenth annual sale with one of the best drafts of jacks and jennets that they have ever offered at public sale. Their offering this year will include a number of very fine serviceable jacks, a lot of high class jennets and one of the best lots of young jacks that will be offered this year. Their jennet herd is one of Missouri's best, and their herd is headed by the famous jack, Ben Hur, one of the biggest and best jacks in the state. Their offering this year will be one of the best of the season and the entire lot will be of their own breeding. Watch for their sale ad in Kansas Farmer, and if interested in high class jacks arrange to attend their sale at Sheridan, Mo. It will be one of Missouri's biggest sales this season.



Col. Thomas E. Deem

of Cameron, Mo., a young live stock auctioneer, who has made good as a pure-bred stock salesman in Missouri and other states during the past five years. Col. Deem has made a close study of pure-bred stock and his success as a salesman is evidenced by good prices and a long list of satisfactory sales conducted by him during five years.

Halderman's Bred Sow Sale.

Wednesday, February 14, John C. Halderman of Burchard, Neb., will hold a Poland China bred sow sale. The sale will be held in the big new sale pavilion on the farm adjoining town. The offering will be one of the best of the season, and will be composed of five tried sows, one fall yearling and the remainder spring gilts, bred for early farrow to the great sire, Gold Metal. Young Victor by Big Victor, Melbourne Jumbo by Jumbo the Great and Gold Metal's Son, the great young boar sired by Gold Metal, now heading the good herd of J. A. Countryman & Sons of Rochelle, Ill. He is also a litter brother to the boar that topped Mr. Halderman's fall sale at \$150, going to J. R. Nash & Sons of Minden, Neb. Still another litter brother was purchased at the same sale by T. J. Meisner of Sabetha, Kan., for \$125, so you see there is uniformity. A litter sister to these great boars is included in this sale, and Mr. Halderman, after much hesitancy, has decided to catalog the half-sister to this litter, she is individually a better sow than her dam, Utility. She will be bred for an early litter to Gold Metal, and should prove an attraction in any sale in America. All of the tried sows and a part of the gilts will be bred to Gold Metal, and about 20 of the spring gilts and the fall gilts were sired by Gold Metal. The fall gilt is an outstanding individual and the spring gilts are very uniform. Among the tried sows are Beauty Golddust, by Chief Golddust, and others of Hadley breeding. Other gilts than the Gold Metals were sired by Smith's Big Hadley, Metal Choice, Great Look and other good sires of the territory. Mr. Halderman raised 125 pigs the past season and has plenty of good ones to select from for this sale. The two young herd boars are as well bred as the best, and will be sure to make good crosses with the kind of gilts that go in this sale. Write early for catalog and mention this notice.

One of the Leading Incubators.

Among the incubators always to be reckoned with when a purchase is under consideration is the Queen, manufactured by P. M. Wickstrum, at Lincoln, Nebraska. The Queen grows in popularity each year. Mr. Wickstrum spends much of his time demonstrating and perfecting his machine in every detail. Everything that makes for a more perfect hatcher undergoes a severe test at his hands. If it is found a real aid to incubation it is promptly incorporated

into his machine and becomes a Queen feature. Otherwise it is discarded. It is thus that Mr. Wickstrum keeps his machine always in the front rank of incubators, if not actually in the lead.

In its present form, the Queen embodies many important and exclusive features. The great fact that the Queen for 1912 is automatic and trouble-proof makes it a hatcher that appeals to poultry raisers.

There are no trifling "talking points" and no "frills" about Queen incubators and Brooders. They are solid and substantial machines, built for business. Honesty in materials and honesty of workmanship are apparent all the way through.

Mr. Wickstrum's Queen has come to be known as the incubator that is "good in the make-good plan." If it does not fulfill the Wickstrum claims and make good in the purchaser's hands, Mr. Wickstrum asks that it be returned to him. All money advanced is returned. Mr. Wickstrum's policy of honest incubators and fair dealing is seen in this proclamation set forth in season and out in his printed matter: "I would rather sell 10,000 honest, dependable incubators—money makers for those who use them—than 100,000 cheaply constructed affairs that would only cause worry and loss of sleep, time and money."

Anyone getting ready to buy an incubator or brooder should write for the Wickstrum Combined Poultry Guide and Catalog. This book is always sought by poultrymen, and regarded as an authority. The 1912 edition contains much valuable information for poultrymen besides the description of Queen Incubators and Brooders.

A Holstein Greeting.

Through your paper I wish to extend New Year's greetings to all interested in the Holstein cow, the most profitable of all breeds, from every standpoint. Five years ago I purchased by first pure-bred Holstein sire, and soon afterwards two cows. One of these cows the following June produced in official test 17 pounds of butter in seven days from 40 pounds of milk on a ration of June grass and bran, and 11,000 pounds of milk during her lactation period, which was so far in excess of anything the common cows I had been accustomed to were doing that I immediately decided to develop a pure-bred herd of Holsteins. Prior to the purchase of my first pure-bred bull and the cows I had made a study of the Holstein breed by carefully studying all the literature I could procure on this famous breed of dairy cattle, and was in position to know the best strains to place as foundation stock. I have been fortunate in procuring sires that have produced animals of the highest order, also in the purchase of foundation females. They have, with almost an exception, proven good investments. This "Sunflower herd" has the distinction of placing more animals in the Advanced Registry than all other herds in this state combined; also, we think, of the breeding and distributing of this famous breed of cattle than all others of the state during the past five years. No other breeder of this state, and some other states that have more cattle of this breed, can boast of breeding and developing three young cows that have sold at private sale for \$500 and more each, for the year ending January 1, 1912. I wish to thank Kansas Farmer, as it has been the means through my advertising, of making the bulk of sales; also to thank my customers, who have been well pleased and successful in almost every instance where they have purchased pure-bred stock from Sunflower herd.—F. J. SEARLE.

Faulkner's Big Boned Spotted Polands.

Attention is called to the sale advertisement of E. I. Faulkner of Jamesport, Mo., the only exclusive breeder of the old, original, big boned, spotted Poland Chinas—the breed that grows as big as the biggest and the kind that are easy feeders at any age. This will be the best of Mr. Faulkner's many great offerings, and will include a number of tried sows that have aided materially in making Highview Farm and Mr. Faulkner's herd of big boned, spotted Poland Chinas famous throughout the United States. The yearling sows that will go in this sale are extra large. They are the type that make the great, big, rangy, prolific brood sows that never fail to be good producers and money makers for their owners. They are the kind that are responsible for Mr. Faulkner's success as a breeder of the big boned, spotted kind and for his record for sales for several years that leads them all. The spring gilts are the select tops of a large herd and it will be the best draft of spring gilts ever sold at Highview Farm. A part of this offering is bred to Mr. Faulkner's famous boar, Budwaiser; others to Brandywine; some to Billy and Sunday, and the balance to Big Jim and Lucky Judge, the greatest lot of big boned, spotted kind is evidenced by the large number of hogs sold by Mr. Faulkner during the past several years. Sales are increasing every year. Write him for catalog, and attend this big sale of big boned, spotted hogs. Please mention Kansas Farmer.

J. E. Park's Fine Jacks.

Attention is called to the card of J. E. Park of Cameron, Mo., in this issue of Kansas Farmer. Mr. Park is offering a number of extra good Missouri and Kentucky bred jacks for sale a this time. They range in age from 3 to 5 years, and in height from 15 to 15.3. Every jack in this offering is a good one. They are all black with white points, big, heavy, clean boned fellows, with good head and ear and are in every way a high class lot. Among them is Col. Knox, a 3-year-old, weighing 1,050 pounds, 15.2 in height, extra good bone, fine head and ear and good foot. He was sired by the famous jack, Dr. Wood, he by Dr. McCord by Gov. Wood. He is a show jack in every respect. Castleman, another extra good one, sired by Zach P. Palermo; Eclipse, a 3-year-old sired by Palermo; Eclipse, a 3-year-old sired by Mace's Jumbo by Imported Gladstone; London, a 2-year-old sired by Taxpayer by Imported Taxpayer, and others equally as good. Mr. Park is one of Missouri's oldest and most reliable breeders and, as a judge of jacks, is second to none. Write him at Cameron, Mo. He guarantees description of stock, and visitors are always welcome at his farm near Cameron. If you want a good one he has them. Please mention Kansas Farmer when writing.

A. J. Erhart & Son's Poland Sale.

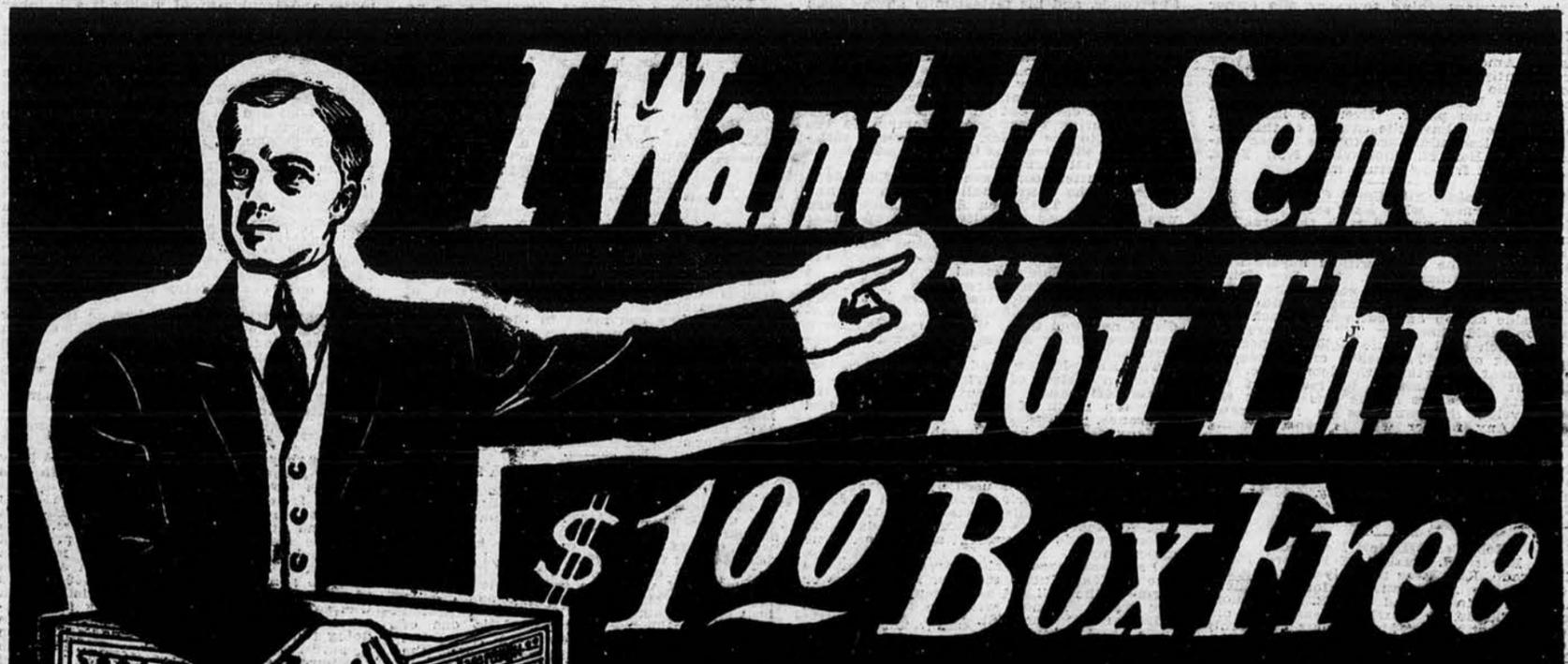
On Thursday, February 22, 1912, Mr. A. J. Erhart & Son of Adrian, Mo., will sell a draft of 65 head of bred sows and gilts that are as well bred a lot from a big type standpoint and as good individuals as can be found in the corn belt. Mr. Erhart is selling the top of his herd and the top of the H. H. Harshaw herd. Please read the advertisement in this issue and send for a catalog. Kindly mention Kansas Farmer when you write.

Kremmling, Colo.
 Wilbur Stock Food Co., Milwaukee, Wis.
 Gentlemen—Enclosed find draft for \$13 in payment for Stock Food. I have used two pails of your Stock Food; it is certainly fine. I have used almost everything on the market, but nothing to compare with

the Wilbur Stock Food. My milk cows, calves, hogs and colts, after feeding three days I noticed the change. It has saved me many a sack of grain. My horses are sleek and nice, also working hard every day.
 Yours very truly,
 (Signed) CASPER SCHWAB.

Williamsburg, Ohio.
 Wilbur Stock Food Co., Milwaukee, Wis.
 To Whom It May Concern: I have used Wilbur Stock Food, and can say I will use it as long as I have any stock, whatever kind it may be, to feed. Feed your chickens and you get more eggs; feed your

horse, and he will do more work; feed your cow and she will give more milk; feed your hog and he will give more pounds of pork; and, to make a long story short, you can't afford to be without it. So please hurry my five pail order to me. Sincerely yours,
 JAMES J. WAGNER.



I want you to know for yourself why
Wilbur's Stock Food

is fed by 500,000 stock raisers daily. I want you to see what it does for your horses, your milch cows, your hogs, your sheep and your poultry.
 I want to prove to you beyond all doubt, that Wilbur's Stock Food is a wonderful feed saver, fattener and positive preventive of disease.
 I want you to find out by actual test that my food makes money for you every time you feed it. That's why I'll send this big box absolutely free to you and to every reader of this paper, who fills out and sends me the coupon shown below.

I don't want you to pay me a cent for this big full size \$1.00 box, now or at any other time.
 I don't want you to do anything to earn it.
 It is not a premium, but a gift, and my object in giving it to you is to let

you prove to your own satisfaction that it is a feed saver and money maker for you. Is my offer fair?
 Do you risk one cent by accepting this big box free? Is it worth a two-cent stamp? If so, just fill out the coupon below, and mail today.

\$1000.00 in Gold
 Given Away in Cash Prizes

We will give away 127 Cash Prizes from \$1.00 to \$500.00 each to users of Wilbur's Stock Food this season. YOU may win the big \$500.00 First Prize. We will send you full details of this Great Prize Offer if you send the coupon for this Free Box of Stock Food or write us at once.

Fill out and mail the coupon today
E. B. Marshall President
 WILBUR STOCK FOOD CO., 461 Huron St., Milwaukee, Wis.

FREE \$100 BOX COUPON

E. B. MARSHALL, President,
 WILBUR STOCK FOOD CO.,
 461 Huron St., Milwaukee, Wis.
 Please send me the FREE \$1.00 box of Wilbur's Stock Food; also full particulars of free cash prizes.

My Name _____
 P. O. _____ R. F. D. _____
 Freight Sta. _____ State _____
 I own _____ horses _____ cattle _____ hogs _____ poultry.