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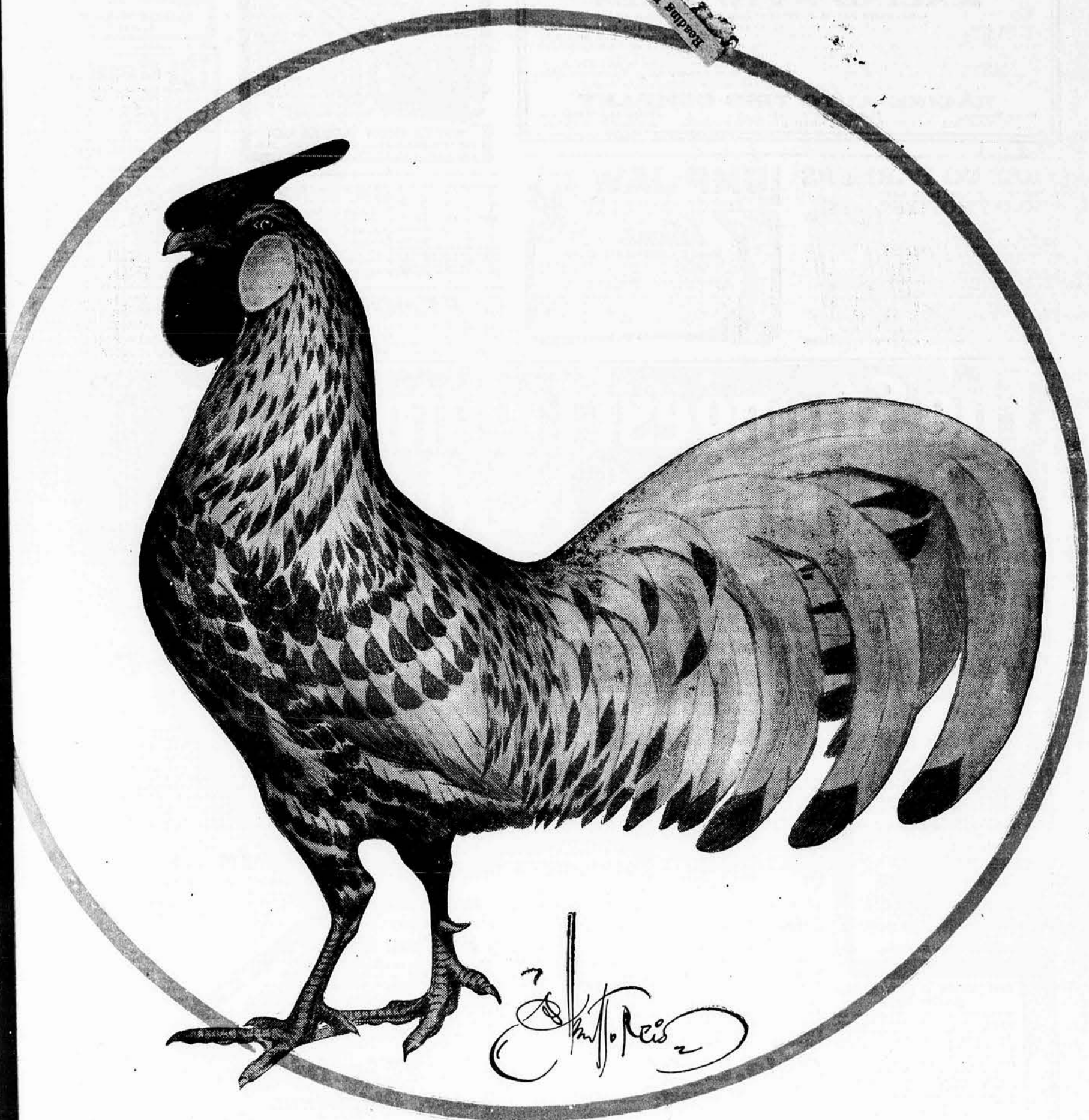
KANSAS FARMER

FOR THE IMPROVEMENT

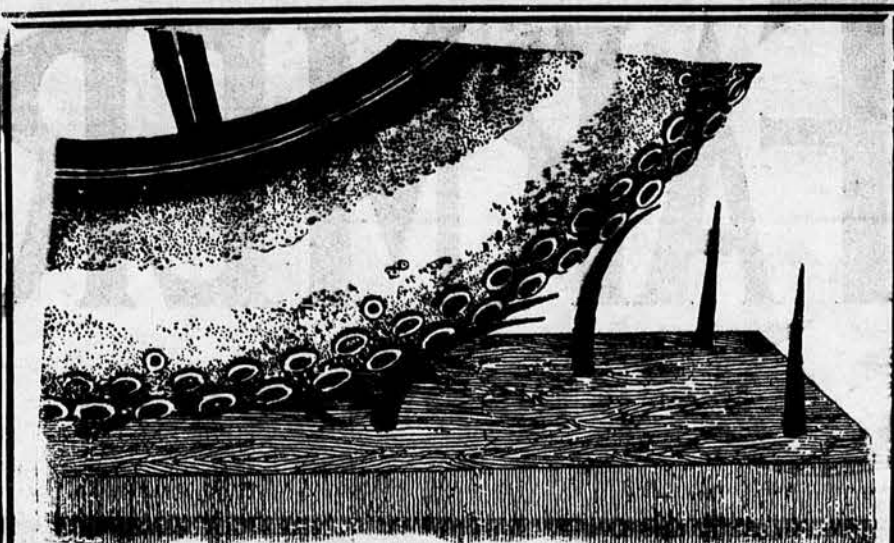


OF THE FARM AND HOME

Volume 49, Number 5, TOPEKA, KANSAS, February 4, 1911, Established 1863. \$1 a year.



SPECIAL POULTRY NUMBER



IT SMASHED THEM FLAT!

—not a spike remained standing after this remarkable test of the Minnesota State Fair last September. The treads of all Racing Auto Tires are built up of four thicknesses of chrome-tanned leather. These layers are VULCANIZED TOGETHER and to a specially made rubber carcass, by a process that preserves in the leather all its strength and toughness. Leather so tanned takes on and retains a high resiliency—never hardens nor cracks—and force a nail through a single thickness alone. It takes 1,000 pounds pressure to force a nail through a single thickness alone. Add the resistance of the other three layers, and you will understand that

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Let me quote you prices on a Galloway Spreader to suit the size of your farm. I've got the one for you. I'll put it all up to you, and if you say it's not what you want, I'll take it back and you don't lose one dollar by the deal. See it—spread any kind of stuff—no breakage bills—long life—satisfaction all the way—It's a money-maker every day—it pays you big profit on every crop you use it. Now prove this out. Find out that you can make this saving. I know something about the spreader business you ought to know, let me tell you. Write me and don't put it off till tomorrow. —WM. GALLOWAY

WM. GALLOWAY CO., 389 Galloway St., Waterloo, Iowa
Let Me Tell You How I Divide the Melon with You

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Cheapest and best power known. Average cost one cent per horse power per hour. A superior standard of construction saves time, fuel and repairs. We refer you to thousands of satisfied customers. High grade engines our specialty for 25 years.
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This engine is built for those who want the best. We furnish any size or style; hopper jacket or water tank type. We ship promptly. Everything is complete. Our prices are right. Inducements to introduce in new localities. Write for catalog, stating size wanted.

WITTE IRON WORKS CO.
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\$10.00 Suet Feed | \$14.00 Salvaged Suet

We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.
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13 1/2 Cents a Rod

For 18-in. 14 1/2-c for 22-in. Hog Fence; 15c for 20-inch; 18 1/2-c for 24-inch; 25c for a 47-inch Farm Fence. 48-inch Poultry Fence 28 1/2-c. Sold on 30 days trial. 30 rod spool ideal. Barb Wire \$1.45 Catalogue free.
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Easy method, little expense, no pain or scars. Written guarantee with each bottle.
REMOVES ALL—"Beats 'Em All" for Sprains, Curb, Bog Spavin, all lameness. Sold on money-back guaranty. Free—Treatise on curing animal diseases. Write for copy today.
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Best high carbon galvanized steel wire. Easy to stretch over hills and hollows. FREE Catalog—fences, tools. Buy from factory at wholesale prices. Write today to Box 65
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In each town to ride and exhibit our Bicycle. Write for special deposit, allow 10 DAYS FREE and freight on every bicycle. FACTORY PRICES on bicycles and sundries. Do not buy until you read our circular. Learn our unheard of prices and marvelous quality. Write for circular. WHEELER CYCLE CO., Dept. F. 28 Chicago

Be sure to look up our great Library offer on page 5 of this issue of Kansas Farmer. It is the greatest subscription offer ever by an agricultural publication.

The Strongest Lightning Rod Brace Made



WE WANT A FEW MORE GOOD MEN

to represent us in territory not yet assigned. A clean, profitable business. You have the ability to sell goods. Write at once. If your county is not yet filled, we want you to be one of the 500 successful salesmen who will represent us this season. You can make from \$1,500 to \$5,000 a year. We lend you our demonstrating machine free of charge, give you free advertising and every possible selling help. There is an unusual opportunity here for you if you act now. Write at once.

King System Lightning Rods Are Endorsed By Experts

The King System of Lightning Rods is the same System as is found on the White House, the Army and Navy Building, the Washington Monument and other government structures. Before adopting the system it did, the government had its experts make a rigid investigation. They inspected past records of every rod considered—points, rods, cables and every phase of the question. The fact that the government approved the same system that is now offered you, is proof positive that the King System of Lightning Rods is the system for you to have on your house, barn or other buildings. It has the best cables, braces, vanes of any other system ever made.

We challenge all manufacturers and dealers in Lightning Rods to produce as strong and heavy brace as the King Steel Brace. The point is the most important part of your lightning rod and should be well supported. King Braces are made of open heart steel, 5-16 inch in diameter and will not give way, no matter how long exposed to the weather.

Sold Under a \$50,000 Guarantee

We guarantee the King System Lightning Rods to be reliable. We also guarantee to refund your money if King Braces are not 5-16 of an inch in diameter, cables 32 strands of 99% pure copper. We guarantee to refund instantly without question the purchase price on any King System Lightning Rod placed on any building, if the building, while protected by our rod, is struck by lightning.

Protect Your Property and Life—Reduce the Cost of Your Insurance

No house or building equipped with King System Lightning Rods has ever been struck by lightning. Remember that. It's our guarantee and you'll find it in black and white in the center of this advertisement. When you lessen the danger of fire with the King System Lightning Rods, you lower the cost of your insurance. You not only protect your home and your life, but you actually save money by doing it.

Ask Your Dealer To Show You King System Rods

This binds you to nothing. Just say you are interested and he will be glad to show you our new demonstrating machine, which makes plain as a diagram just how lightning acts and how the King Rod prevents it from striking your buildings. If your dealer does not handle the King System, send in the coupon at the right and we will mail you our catalog handsomely illustrated in colors.

99% Pure Copper CABLE

Best commercial electrical conductor known. Two men may sit at their desks 1,000 miles apart and talk to each other over a copper telephone wire. This is because of the perfect conductivity of copper. Before the introduction of copper into the electrical world, this was impossible. This proves that copper should be used in the construction of lightning rods. An iron rod, to have the same conductivity as our No. 17 gauge Pure Copper Cable, 32 strands to the cable, would have to be 7 inches in diameter. Do not be misled into purchasing a steel lightning rod. Our copper rods will not rust; will last a lifetime and are the best electrical conductors you can get anywhere.

Made in Southwest

Right here at home. Our completely equipped factory gives our customers the highest grade Lightning Rods at a reasonable price. You need buy King Rods only once in your life. They are practically everlasting. O. K'd by 2,000 farmers. Years of experience have made the manufacturer of these rods a specialist who knows just what you need to preserve your lives and property. Write for names and addresses of 1,000 satisfied customers.

Okla. Lightning Arrester & Electric Co.

709 Main Street, WE WANT DEALERS! Tulsa, Oklahoma.

Okla. Lightning Arrester & Electric Co.
709 Main St., Tulsa, Oklahoma.
Without obligating me in any way, please send me your literature.
My dealer's name is _____
Name _____
P. O. _____
State _____ R. F. D. _____

KANSAS FARMER

EDITORIAL

POULTRY SUCCESS.

It is not an irresponsible statement when I say there is independence and millions of dollars in the poultry business. I am not personally called upon to prove this statement as the Government does this every year gaining its information through census returns and hundreds of experimental stations throughout the United States, proving the truth beyond contradiction. It is also demonstrated every day by men and women beginning in a small way, gaining experience and building by the way a substantial business and ever increasing income. This enviable condition is not reached through irresponsible and haphazard methods. It requires work, brains and attention to details. The poultry business large and small is made successful through attention to the small things. Profits can be turned into a loss by little things that at the time do not appear to be of importance. The neglect of your incubator at a critical time will result in a poor hatch with the best of attention and care. These chicks so obtained cannot be raised to a marketable age, sold and show a profit. You are at a loss as the returns do not cover the expense of ruined eggs, operation of incubators and maturing chicks to a marketable age. Neglecting to market your cockerels at the proper age is another method of losing in the poultry business. Failure to eliminate the non-producers in your laying flock, filthy condition of the roosting quarters, improper feeding, unjudicious selection of your breeding males resulting in loss of vitality and fertility of eggs, failure to investigate the origin of feeding stock purchased, slack methods of marketing your fowls and eggs, ignoring the fact that bad as well as good traits can be transmitted to the progeny of your breeders and numerous other things go to strew the path of poultry success with wrecks. These failures are accounted for because they could not realize that success comes only through hard work and the application of good, hard common sense and business judgment. This great State of Kansas in 1910 sold poultry and eggs to the amount of \$10,789,833 from the farm alone. Do the farmers of this state realize that this is near the minimum and not the maximum production. Why does this condition exist? Because the farmer does not realize that farm poultry favored with the same amount of care, attention and proportionate business judgment applied to other farm products will show at the end of the year more clear profit in proportion than any other production of the farm. The fact that farm poultry can no longer be looked upon as "just chicken" is evident. The purity of the flocks of poultry upon the farms of Kansas in the past six years has been greatly improved as any one conversant with conditions will admit and which I am satisfied is responsible for the increase of \$1,704,000 in poultry and eggs sold in 1910 over that of 1906, which places Kansas among the four most poultry producing states. Being especially favored in climate and soil, no reason exists why Kansas should not be the leader. It is only necessary that the business farmer should realize the possibilities in poultry and it will be done. It is through the columns of agricultural papers that this result can and will be obtained.—Chas. E. Smith, Baynesville, Kan.

Phosphorous is the one important element of plant food about which there is doubt as to its future supply. It will be a matter of general interest, therefore, to know that the United States has withdrawn from public entry about 34,000 acres of newly discovered phosphate beds, lying about 30 miles southwest of Butte. Later these lands are to be made the subject of special legislation as to their disposal. It is a happy combination of circumstances which places the great field within such easy reach of the great smelters whose sulphurous acid fumes have been such a nuisance heretofore. Phosphatic rock is reduced to acid phosphate of commerce by use of sulphurous acid and in the hand-

ling of these fields the noxious fumes of the smelters will not only be done away with, but the rock rendered available for the farmers' use at the lowest cost of manufacture.

HOLSTEIN FRIESIANS.

I see some advertisements in KANSAS FARMER about Holstein Friesian cattle. I would like to post up some on them. I want to know if there is any difference in them or are they all about the same. How do they usually sell calves or young cows. Where would one be the most apt to get young calves?—Charlie Morrow, Augusta, Okla.

Like all other breeds of domestic animals and like everything else in nature there are individual differences in Holstein cattle. Some are much better than others. While the breed as a whole is a very old one which has been sold specially for milk production for ages and while it has few equals and no superiors for this purpose, the individuals are not all equally good. A cow which has the initials A. R. O. after her name and number, has a history for production which gives her a high value. Her calves will sell for more money than will cows without this distinction. Her granddaughters and great granddaughters will also bring more money because of this record.

In looking for calves it is always best to get daughters of A. R. O. cows or daughters of those which have records for large production for several generations. The A. R. O. simply means the Advanced Registry which is kept of all cows which pass an official test for excellence or performance. It is a sort of inner herd book or record of the aristocrats of the breed.

Consult the advertiser in KANSAS FARMER for information about stock. They are all reliable. Attention is called to the advertisement of a sale of Holsteins in this issue. If our subscriber wants a breed of cattle for milk production, he can certainly find it in the Holsteins.

NAME YOUR FARM.

"Back east," where they have learned to do some things better and many not so well, there are several states which protect farm owners in the use of names for their farms. These names have a commercial as well as an esthetic value and it is a matter of pride to their owners that their farm products have, or may have, a special value because of the reputation behind the farm name. On the other hand, it is a matter of satisfaction on the part of the consumer to know the names of the farms from which their poultry, eggs, milk, butter and fruits come.

In many hotels and restaurants special pains are taken to announce the fact that the sausage, butter, milk or fruits which they serve, come exclusively from a named farm. This places the responsibility as well as

the credit, and it has a high money value to the farmer.

There is now a bill before the Kansas legislature which provides for just this arrangement and its protection. Under its provisions any farm owner may, by paying \$1.00 to the county clerk of his county, have the name of his farm registered and receive a certificate of such registration which shall give him the exclusive right, in his county, to the use of the farm name he has selected. This little expense is only incurred once in a lifetime and, when once the farm is secure in the possession of its name, it is only a question of time when it may bear a reputation which shall make its products more readily saleable and at higher prices than would seem to be otherwise possible. This is unquestionably a move in the right direction and should receive the hearty support of all.

In the earlier days of farming men learned what they knew about their business from two principal sources. They learned from practical experience and by asking their neighbors. Although agriculture has made greater advancement in the last decade than in any like period in history, knowledge of agriculture is still acquired from the same principal sources but in a different way. The neighbors we now go to for information are specially trained both to secure this knowledge and to give it to us in simple and available form. These neighbors spend their lives in learning new facts and new applications of old methods and knowledge. They know we need the knowledge and they devote their best energies to securing it. The results of their work are wonderful and the boy of today can begin his active life as a farmer with more real, available, accurate knowledge than his father has acquired in a lifetime. And all because of these neighbors who are the expert stations.

A member of the Legislature "inquires to know" why brooms sold last year at 25 to 35 cents each when broomcorn was worth \$150 per ton, while now, when broomcorn is selling at from \$45 to \$65 per ton, the price of brooms has soared to from 35 to 50 cents each.

The disastrous forest fires in the states of the Northwest have emphasized the necessity of opening the national forests for grazing purposes and this the government is now preparing to do. With the grass properly restrained by grazing the danger from spread of such fires is greatly lessened.

Change incubator lamp wicks for every hatch. Wicks are cheap, usually six for a nickel. A dirty lamp wick won't "draw" oil—and lamps smoke and fill flues full of soot, when the wicks are not feeding oil freely.

KANSAS GOOD ROADS.

The recent annual meeting of the Kansas Good Roads Association at Wichita seems to have marked a renewed period of activity for this body. Kansas people generally appreciate the value of good roads and know that they will increase the value of property, decrease the distance to town, bring the neighbors closer together, save the wear and tear on horseflesh and harness and help to solve the problem of why the boys leave the farm but, like many other people, they have not known these things hard enough. The bugbear of expense is always before them when they think of good permanent roads but they are now learning that good roads do not cost money, they make it. The expense of building them is an investment and a good one.

Kansas people are not to blame for their former attitude on the good roads question. They have been unlucky in their experiences. They did not know how to build good roads and the engineers were in the same fix. It is different now. Both engineers and people are studying the good roads problem and they have learned many things. They have learned that drainage is the most important feature of a good road. They have also learned that stone or other road metal does not make a good road but that the road must be built first and then the metal added to prevent wear just as the tire is added to a wheel to protect the felloes. The tire is not the wheel nor is the metal the road.

Kansas road laws which were passed for the most part, before the state was fenced up, are in a chaotic condition. Her people have learned this and are asking for a revision.

Kansas leads in most things, why not in building good roads?

ABOUT SEED CORN.

There is likely to be considerable interest manifested in the seed corn question before planting time comes. The last season was peculiar. The long dry spell in the middle of the growing season served to retard its growth, more or less, while the later rains gave it new vigor and development. The result was that the corn went into the crib apparently dry and cured but really full of moisture. An examination and test of the corn at this time will probably show that much of it was seriously damaged by the December freeze. One of our correspondents says that corn in his neighborhood which appeared to be dry and all right at husking time is now found to be badly damaged and the germinating power of much of it destroyed. He further states that the elevator men are protesting against the quality that is being delivered to them.

Now no farmer can afford to handicap himself by planting poor seed of any kind. The best is none too good. It only requires a very small amount of time and trouble to test the corn and be sure. Get a corn testing machine. It does not cost much and its convenience and reliability will bring big interest on the investment. Tests may be made without such a machine, of course, but they are far less satisfactory and accurate. Where a man raises corn year after year a good seed tester should be a part of his equipment.

The main point is to get good seed and to know that you have it you must test what you have or buy from a reliable seed house or both. Probably there will be but little Kansas corn that will make good seed and right now is the time to find out about it.

The incubator will hatch chickens every three weeks, but it takes six weeks before chicks can get along very well without a brooder. This is why there should be two brooders with every incubator. It is not necessary to buy brooders of a chick capacity equal to the egg-capacity of the incubators. Not all eggs set are fertile or hatchable—hence there are rarely so many chicks hatched as there were eggs put into the incubator.

With which is combined FARMER'S ADVOCATE, established 1877.
Published weekly at 625 Jackson St., Topeka, Kan., by the KANSAS FARMER COMPANY.
ALBERT T. REID, President. J. R. MULVANE, Treasurer. S. H. FITCHER, Secretary.
Edited by T. A. BORMAN and I. D. GRAHAM.
CHICAGO OFFICE—First National Bank Bldg., Geo. W. Herbert, Manager.
NEW YORK OFFICE—41 Park Row, Wallace C. Richardson, Inc., Manager.
Entered at the Topeka, Kansas, postoffice as second class matter.

SUBSCRIPTION PRICE—\$1.00 per year; \$1.50 for two years; \$2.00 for three years. Special clubbing rates furnished upon application.

ADVERTISING RATES—25 cents per agate line—14 lines to the inch. No medical nor questionably worded advertising accepted. Forms close Monday noon.

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

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

KANSAS FARMER COMPANY, TOPEKA, KANSAS.

Constructing A Colony House

*Both Pleasure And Profit
Depends Upon Beginning
In The Right Way*

By T. E. SCHREINER.

In building colony houses for young chicks, there are numerous conditions to be considered before we attempt the construction of the house.

First of all, we must decide how large a house will be needed to house the given number of chicks. Second, the style of house and quality of lumber to use for floor, sides, roof, and the kind of material to be used for frame. Third, how to provide the heat so that a uniform temperature may be secured. This last factor is the most important, as it has to do with the health and comfort of the chicks.

Of the requirements for making a good colony house, the writer will enumerate a few of the most important ones.

Proper Temperature: This, of course, must always be applied evenly at all times; it does not make very much difference what kind of heating outfit is attached to the colony house, but the heat must always be supplied because it is natural for the chicks to make their home where they find it warm and comfortable.

Fresh Air: Perhaps, it will be needless to emphasize this important factor, but it may be well to say that no one can afford to shut up their colony houses to save on the heat, because it must be clearly understood that nothing is more necessary than fresh air. On the other hand, one must not have any drafts in the house. There are several diseases that are very likely to result from improper ventilation in colony houses, such as leg weakness and white diarrhoea; these are sure to flourish if the houses are not sanitary and well ventilated.

Exercise: It is very important to provide some means whereby the chicks can get exercise in the house. If we are to take account of this, we must, of course, build the house large enough so that the chicks can have considerable area over which to run and so arranged that they can get away from the heat, if they so desire. The house ought not to have the same temperature over the entire floor space; but should be warmer under the hover. It is well to have the "exercising" part of the floor rather cool, say about living room temperature.

The litter used on the floor ought to be fine cut straw, alfalfa hay, or clover; but the writer does not advise the use of sand as it is too heavy to clean out and one is apt to skim off the top layer and not clean the floor thoroughly. The larger the floor space allowed for the chicks, the easier the house will be to clean. (Allow at least .2 square foot, or better, .3 square foot for each chick.)

Light: A colony house must be light, and the more light and sunshine the healthier and faster will the chicks grow. Have the windows large enough to allow the sun to strike the back of the house. A safe rule is to allow 1 square foot of glass surface to 10 square feet floor space.

Construction of a gasoline heated colony brooder house, also called "A" shaped house: This style of house is especially adapted to a farmer and poultry man who intends to raise flocks of 200 chicks at a time. This house has several advantages over other colony houses, as it is adapted for spring, summer and winter use; the house can be used as a laying house during the winter and we thereby save the expense of having the separate brooder houses for chicks as well as separate colony houses for the laying hens. The house is also extremely cheap in its construction. It might not exceed 18 to 20 cents per chick capacity or about \$38 to \$40 per house, as against ordinary commercial outdoor brooder with a cost of \$12 per 50 chicks or 24 cents per chick, with the added disadvantage that during the entire year, these brooders cannot be used.

Building Material: Any cheap lumber may be used, such as white or yellow pine, or one may use cypress. The



PIANO BOX COLONY HOUSE UNDER CONSTRUCTION AND COMPLETED WITH RUNWAY FOR CHICKS.

two sills consist of 2 inches by 12 inches by 8 feet. These sills are placed one in front and one in the rear; the joists 8 feet long are laid 2 feet 8 inches apart from center to center on the sills and connected by a half joint. It may be well to brace the corners of the frame by using a 2 inch by 4 inch piece. The floor, consisting of matched and planed 1 inch by 6 inch by 8 feet pine (white or yellow), should be nailed to the joist. Owing to the Kansas climate, we need only to construct a single floor and run the boards parallel with the front. After the floor is laid, put up the 4 studs; these are of 2 inch by 2 inch by 24 inch material placed flush with the outer edge of the floor 2 feet 8 inches apart, and nailed to the floor. The plates are next laid on top of the studs, being of 8 inch by 2 inch by 3 feet material; on the plates toenail the 4 rafters; these to be of 2 inch by 2 inch by 6 feet material. After the rafters are placed, nail on the siding; for this purpose use 3/8 inch by 6 inch by 8 feet matched, planed pine. Lay the boards horizontally and nail to the rafters. After the sides are finished, raise the studs for the back and front; for the back have 2 studs 24 inches by 2 inches by 2 inches; for the corners 2 studs 4 feet 10 1/2 inches by 2 inches by 2 inches. Cover these studs with the 3/8 inch by 6 inch by 8 feet matched boards by laying them perpendicularly. For the front have same number and same length of studs but add 2 more studs for the window casings. There are to be two windows 24 inches by 32 inches containing 6 lights each 8 inches by 10 inches with a 2 inch by 4 inch window frame. In the center of the house, place the door and hinge it to the stud; its dimensions are 2 feet 1 inch by 5 feet 6 inches. In this door there is cut an opening for the cloth curtain which is made 18 inches by 18 inches and covered with fine hardware wire netting.

Over the sides and back, cover with roofing paper so as to keep the house as tight and warm as possible. The paper is put on horizontally, and the overlaps nailed down the nails and

caps. For roofing paper, use any good commercial 2 or 3 ply paper. Do not cover the front of the house with paper.

The galvanized iron heating outfit consists of burner box to slide under the house, iron drum, smoke chimney, and gasoline tank. This outfit can be purchased by writing to the Kansas State Agricultural College, Poultry Division, who will furnish name of firm that sells the heating outfit; the heat is supplied by a gasoline burner, and is very reliable and furnishes ample heat in almost any weather. The gasoline heated colony house is, therefore recommended as a very economical, safe, and practical colony brooder house for the Kansas farmer.

PIANO BOX COLONY HOUSE.

The Agricultural College has recently constructed a cheap colony house made out of two piano boxes; these were jointed together and put up on two runners two inches by 12 inches, thus making the floor 1 foot above the ground. The sides of the colony house are covered with ordinary paper, but this is hardly advisable for on hot summer days, the tar will melt and ooze out. In the front of the colony house is the door with a window on each side. These windows are 6 lights 8 inch by 10 inch glass. The expense of building this colony house, including boxes, floor, paper, windows, runners, labor, and two indoor heaters will amount to about \$32. The house has a capacity of 150 chicks, the heat is supplied by ordinary kerosene lamps and the chicks are brooded under any ordinary hover. This colony house is not considered as profitable, durable or cheap as the gasoline house and the cost per chick will be \$32 divided by 150 or 21 cents per chick as against 18 cents per chick capacity in the gasoline heated brooder.

SHED ROOF COLONY HOUSE.

In the two preceding colony houses, the writer has endeavored to describe two houses designed exclusively for brooding chicks. The following type is one suitable for use on the farm for growing stock and laying hens.

Construct a shed roof house out of

matched planed boards (pine) with no paper except on the roof. Build the house 9 feet long, 8 feet wide, 6 feet 6 inches from floor to roof in front and 4 feet 6 inches high in the rear. In front, construct a door 2 feet 6 inches high, with an opening for a cloth curtain. Have one window on either side of the door, each window containing 6 lights 8 inch by 10 inch glass. For interior fixtures, construct a dropping board 2 feet 6 inches wide and 8 feet long. On this are placed the perches each 2 inch by 2 inches by 3 feet. The perches are held together by two 2 inch by 4 inch cross pieces. Have the dropping board 3 feet above the floor and directly under this construct 4 nests each 14 inches by 14 inches. The nests should have a hinged door in front to facilitate in gathering the eggs, and should be open in the rear.

It is practical to place the water platform 18 inches above the floor to prevent the birds from scratching straw into the water. For other fixtures, one will necessarily need feed hoppers, grit hoppers, water pan, etc.

This house can easily be constructed for \$40 or less and will be very practical as a colony house, because it can be moved about easily and will be warm, light and dry.—T. E. Schreiner.

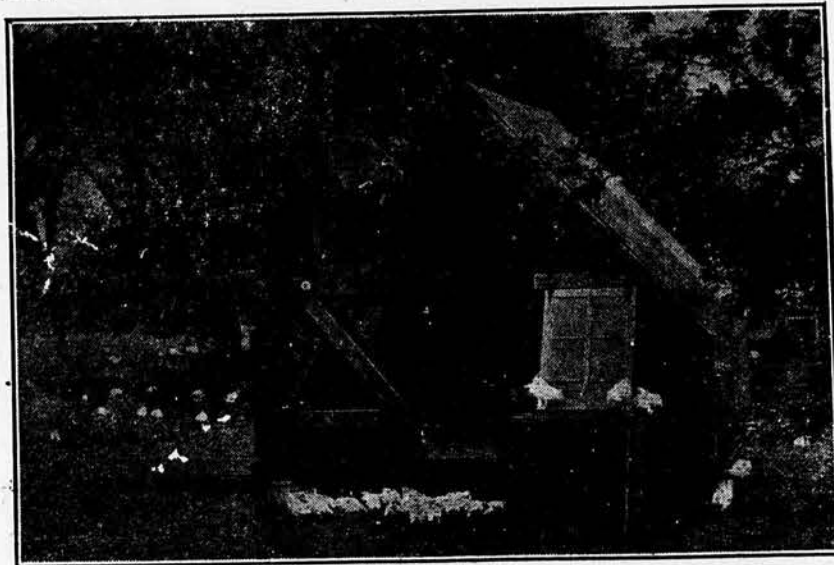
No farm, today, has its necessary equipment until it has one or more good incubators and brooders. No implements or machines can be bought that will so quickly pay for themselves.

To try and get along without an incubator and brooder or brooders costs more than to have the machines. Any one who will test this proposition will find that it will prove itself ninety-nine times out of a hundred.

Any woman who can run a sewing machine to do plain sewing can run any incubator or brooder. In fact the average incubator of today is less trouble to keep going at its best than to keep a teakettle boiling all day long.

When you buy your incubator, buy two brooders—and if you can, three of them. It is better to have two 100-chick brooders with a 150-egg incubator, than to have one 200-chick brooder. One incubator with three brooders will put more chickens on the roost in the fall than will two incubators and two brooders. Profits come from the grown chickens, not alone from the number hatched.

Don't get the idea that the manufacturer of an incubator or brooder didn't know what he was talking about, when he wrote his instruction book. A lot of things may appear foolish on first reading, if you never saw or heard of them before. There is usually a mighty good reason for the things that are found in such instruction books. The manufacturer likely spent years, and thousands of dollars, in learning them, and if you will take them at face value the chances are you will take a short cut to success, and away from trouble and a lot of unnecessary worry.



GASOLINE HEATED COLONY HOUSE SHOWING CONSTRUCTION, ROOFING, PAPER COVER AND RUNWAY FOR CHICKS.

THE FARM POULTRY HOUSE

A Good Hen House Solves Half The Problem of Poultry Profit

By Prof. E. S. JACOBY, K. S. A. C.

The construction of a substantial poultry house on the farm is the problem which every farmer must solve if he is to make his poultry a paying investment. Probably no other one factor influences the productive qualities of the hens more than the house in which they are kept. Before a hen will lay she must be comfortable and contented. The house must be dry, cheerful and light, well ventilated and comparatively warm during severe weather. These are the principles which underlie the construction of a satisfactory poultry house. This article will deal with these principles alone. It is doubtful if two farmers would construct their houses similar in every respect, but if the principle is the same in both cases, either house would be successful.

The house must be constructed dry. By "dry" we do not mean warm. A warm house which is damp is less desirable than one several degrees colder but absolutely dry. The house should be built on elevated ground which has natural drainage for the surface water. If the soil is heavy and there is danger of dampness the foundation should be constructed about 6 inches above the level of the surrounding soil. A foundation 6 inches thick and 18 inches deep, built of concrete, 1 part cement, 3 parts sand and 5 parts gravel or crushed stone is substantial enough to support the ordinary poultry building.

The floor is the second essential of a dry house. Various types of floors have been tried at the Experiment Station. Of these the cement floor stands out in a class by itself. It has three advantages: first, it is dry; second, it is sanitary and easy to clean; third, it is rat proof.

Many people have the idea that a cement floor is damp. If properly constructed, a cement floor is as dry as a matched board floor. It should be constructed as follows: After the foundation is complete excavate it to a depth of 7 inches and place a layer of cobble stones, gravel or coarse cinders 4 inches thick so as to thoroughly underdrain the floor. Cover this with a layer of concrete 2 inches thick of the following proportion: One part Portland cement, 3 parts sharp sand and 5 parts gravel. The floor may be finished with a half-inch coat of richer material so as to give a smooth, wearing surface. For this the proportion should be 1 part Portland cement to 2 1/2 parts sharp sand. The last layer should be flush with the top of the foundation. If constructed as outlined above the floor will be dry, as no surface water can enter and soil moisture can not rise by capillarity.

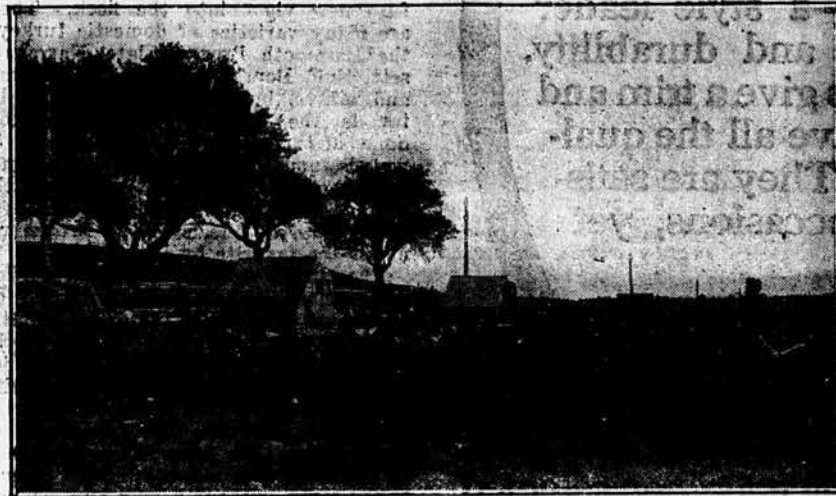
The smooth, hard surface is easy to clean and keep clean. There are no cracks in which filth and disease can find harbor, aside from mites and vermin. The floor can be swept as clean as any room and when it is sprayed, every part of the floor is disinfected. A dirt floor is impossible to keep clean, filling-in is necessary every month or two; the floor can not be swept, and a disinfectant will only reach the first inch of soil.

Rats cannot work under a cement floor. They are a menace to the young stock and cause trouble in various ways. The cement floor is the only safe way to rid the house of them.

The matched board floor may appear warmer, but in reality is not, unless the air beneath it is not allowed to circulate. In the latter case the floor would be short lived. If the boards are not seasoned properly when laid, there will be cracks and the floor will be cold and draughty. When the rats once get beneath a board floor they have a safe and comfortable harbor, from which to prey on the poultry. Furthermore, a matched board floor with the sills, nails, etc., is almost as expensive as a cement floor.

Thus we see that a cement floor is not only cheaper in the long run but is clean, sanitary, dry, rat-proof and durable.

The next essential in the house is that it be light and cheerful. This will have to do with the walls and windows. The two sides and rear wall should be constructed of matched lumber and made absolutely tight. A wall with cracks in it is draughty and far from comfortable. Matched boards covered with a heavy durable roofing paper make the warmest and most satisfactory walls. A wall made of matched lumber has no cracks in which to harbor mites and the smooth service is sanitary and made attractive by a coat of white-wash or some white water paint. The



GASOLINE HEATED COLONY HOUSES ON RANGE.

portion of the wall and roof directly back and above the perches may be double boarded so as to eliminate all risk of a draught while the fowls are on the perches.

The house should contain both glass and cloth windows. Experiments at the station and others have proved that a combination of glass and cloth is most desirable. A square foot of glass should be allowed for every 16 square feet of floor space. Thus in a house 12 feet square, a window 2 feet wide by 4 1/2 feet long would suffice. The top of the window should not be more than one foot below the sills. This allows the sun to reach the back part of the house.

The cloth curtain should be placed horizontal so that the sun will have ample opportunity to reach all parts of the house. A square foot of cloth to 11 square feet floor space is a good allowance. For a house 12 feet square build the curtain 3 feet 6 inches by 6 feet 6 inches. The bottom of the curtain should be at least 2 feet 8 inches above the floor, or high enough to prevent a draught directly on the fowls when they are scratching in the litter in front of the curtain. The cloth curtain should only be lowered at night during the cold months. At all other times it should be kept up. The door should be constructed on the opposite side of the cloth curtain

from the window. Then there will be no danger of the window and door swinging together. The window may be hinged on one side so as to swing inward against the wall out of the way. Ventilation will be excellent providing the house is not crowded and the cloth used on the curtain is not too heavy. Medium weight unbleached muslin is heavy enough for the purpose.

During the recent cold snap an excellent opportunity was given to compare two houses, one with cement floor, glass and cloth curtain (unbleached muslin), the other with dirt floor, glass and cloth curtain (canvas). In the former house the circulation of air was perfect, the temperature was not severe and the hens did not suffer from frozen combs. In the second case, although the house was somewhat similar in construction, the ventilation was not perfect, and there were several cases of frosted combs and wattles. The cement floor appeared to make the house warmer rather than colder, due without a doubt to the fact that it was dry.

We cannot expect a good egg production with the hens in crowded quarters. In a small pen 12 feet square each hen should have 4 square feet floor space. In a large pen, or where two pens are thrown together the actual floor space per hen may be reduced. Hens seem to be more profitable in small flocks, but on the farm a flock of 10 in a pen may be handled economically. The larger the pen the cheaper the cost of the house per hen capacity. A pen 12 feet square will cost \$1.05 per hen, while a pen 20 feet square will not cost over 85 cents per hen capacity. Thus by building our houses large we economize on two things, the cost of the house and the labor involved in caring for the flock. However, the success or failure of poultry house will not rest with the size but will depend upon whether or not it was constructed on the right principles.

When in doubt about any part of an incubator or brooder instruction book, or if any part is not fully understood on first or second reading, write the manufacturer or agent for further explanation. Takes only a few minutes and a 2-cent stamp and may save a lot of unnecessary worry and trouble.

It is all right to feed dampened feed to little chicks—bread or crumbs, dipped in milk and squeezed dry—but sloppy feed is a short cut to chicken heaven for the youngsters. Better feed dry cracked grains—wheat, corn, millet seed, oat meal, rice, or any clean, sound grain they will eat. A mixture is better than any one single grain. Don't be afraid to feed some corn or cornmeal.

The farmer who uses a sulky plow, a harrow cart, seeder, mower, harvester and perhaps an automobile and allows his wife or daughters to raise the poultry without the aid of incubators and brooders, is sadly overlooking a serious duty. Such a farmer is in the same class with the one who went to town on circus day with his family, and allowed the family to eat the dinner they had brought from home, while they sat in the shade of the farm wagon, on the town square, amid the flies, vermin, and dirt, while the important head of the family went to the hotel and "blew" himself for a 50-cent meal.

It takes 12 hens to hatch 160 eggs. The hens are worth from 50 cents to \$1 each, or from \$6 to \$12. A good, reliable 160-egg incubator can be bought for \$12, and it will last for 20 years. It costs less for kerosene to run than it does for feed for 12 sitting hens. There is only one incubator to watch, and that is put in the most convenient place—in the kitchen, dining room or parlor, if desired. Twelve hens to watch means twelve chores to think about; twelve mouths to feed and water; twelve nests to guard against rats, weasels, skunks and maybe, egg-sucking dogs; and all this worry and bother must be away from the house—out somewhere that requires serious exposure at times to reach. The result of the work of any 12 hens is always a matter of serious question. The result of an incubator's work is practically certain. You control the machine. You can't very well control the hens. If you haven't one, by all means buy an incubator.

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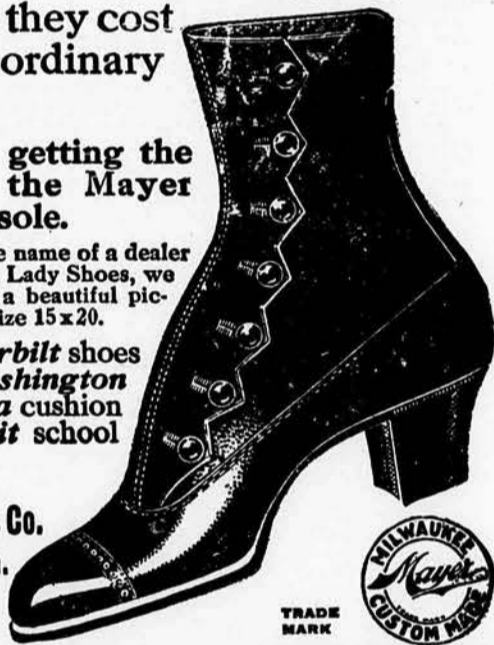
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 Shoes are made of choice leather, selected for its quality, strength and suitability for fine shoes. They fit comfortably and are stylish looking. They are high grade quality shoes, yet they cost no more than ordinary shoes.

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Free—If you will send us the name of a dealer who does not handle Leading Lady Shoes, we will send you Free, postpaid, a beautiful picture of Martha Washington, size 15 x 20.

We also make *Honorbilt* shoes for men, *Martha Washington* comfort shoes, *Yerma* cushion shoes, *Special Merit* school shoes.

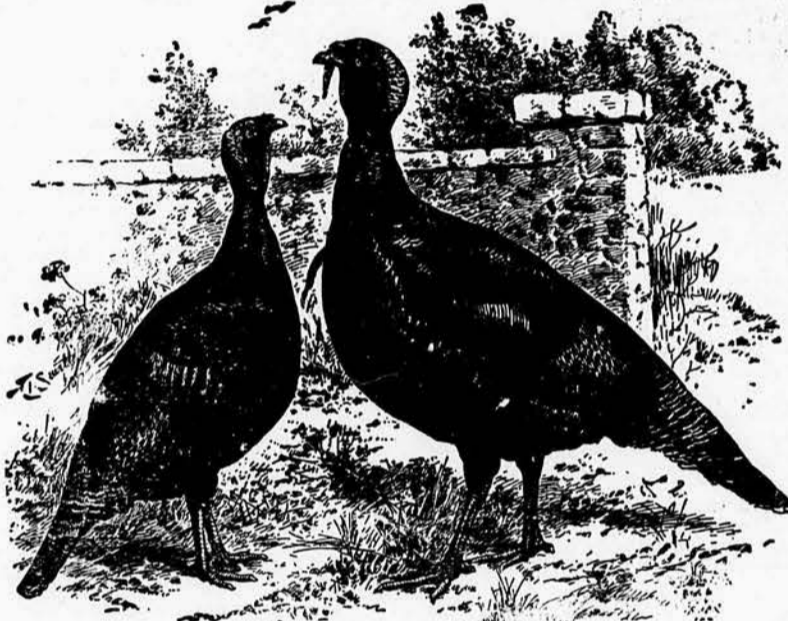
F. Mayer Boot & Shoe Co.
 Milwaukee, Wisconsin.



The turkey is an American bird, a native of the country and should be our national emblem instead of the rapacious eagle. The wild turkey is the progenitor of all our domestic turkeys and resembles the present Bronze turkey in color and markings. When new blood is needed in a flock experienced breeders of turkeys procure a wild turkey to infuse new vigor into the flock. There are many varieties of domestic turkeys, the Mammoth Bronze, Slate, Narragansett, Buff, Bourbon Red, White Holland and others, but the most popular by far is the Mammoth Bronze turkey. Some of this variety will weigh over 50 pounds, and its large size is sometimes urged against it, some claiming the smaller varieties to be more suitable for the ordinary trade, still the Bronze remains the favorite by large odds.

The turkey is of a roving disposition and cannot be successfully raised on small quarters. On the great alfalfa fields of the West they ought to be raised by the hundreds, and would increase the revenue of the farmer, with little expense for feed and comparatively little care after the first few weeks of their being. We know of a ranchman in the West that raises hundreds of turkeys yearly, without hardly any expense

once a day at least give them the green food, at the same time you give them the other food. The second day give them corn bread, moistened in milk or water. Bake the bread in large pans and make it as you would for table use. An occasional handful of bone meal or meat scraps in the bread is beneficial. Give them water to drink, but manage this so they will not dabble in it, for they must be kept dry. Dampness is fatal to young poults. Feed them every four hours during the first week, and give them some lean meat once in a while. Keep sand, gravel or crushed oyster shells near them, they must have grit. Granulated charcoal should also be provided for them. Do not let the mother hen out of the coop for several days, unless you have her in an inclosure where she can not wander too far away. The little ones must be strong before you allow them to wander at will. Don't turn the hen out in the morning until the dew is well dried off, but allow the young ones to range near the coop. Never allow them to stay overnight in the meadow, but see that the turkey and her brood are in their nice, clean coop every night and then if a storm comes up, you are sure that your turkeys are safe and you know where they are.



OUR MOST VALUABLE AMERICAN BIRD, WITHOUT WHICH CHRISTMAS WOULD LACK AN IMPORTANT FEATURE.

for feed. After they "shoot the red," they are allowed to forage in the alfalfa fields for bugs and grasshoppers and clean them up in great shape. They not only help themselves, but benefit the growing alfalfa by ridding it of obnoxious pests. They come home at night, and are given a little grain, so as to accustom them to coming home. But they are already so filled with grasshoppers and worms that there is very little room left for grain. There is no kind of live stock that can be grown by a farmer that is more profitable than turkeys. Turkeys commence to lay in March before the danger of frost is over, so it is essential that nests be prepared for them early in the season, and if the weather is severe, they should be taken from the nest soon after they are laid. Some use common hens to incubate turkey eggs, and some use the mother turkey. It is claimed that the latter knows the wants and habits of the young turkey better than the hen. If you have plenty of eggs some can be set under hens and some under the turkey mother at the same time, then when the poults hatch they can all be given to the turkey, as she can brood and take care of 30 or 40 poults. Remove the poults from the nest when they are about 24 hours old. At the expiration of that time they will be strong and a little hungry. Take the mother hen and thoroughly dust her with insect powder, and then place her in a clean, roomy coop. This coop should be so constructed as to admit an abundance of light and air, and yet keep dry when a rain comes on. Before you give the little turkeys to the hen, put a little sweet oil on their heads and under the wings and it will keep off the lice that are so prone to infest them. As to the feeding of young turkeys breeders differ quite materially. One breeder gives the following advice: For the first feed give bread crumbs, moistened, not soaked, in milk, with some lettuce or onions cut fine. Most likely they will eat the green food first. Hard boiled eggs occasionally is good for them, but

After they are two and a half months old, they will try and fly up on the coop and soon you can let them all roost there. Should you see a rain storm coming up during the day, try and get the young turkeys under cover.

When they are six weeks old give them cracked corn and wheat occasionally. They will soon learn to eat it, and when they do, give them all they want. Up to this time, feed mostly on corn bread, giving them stale wheat bread, if available, soaked in milk, also curds.

More turkeys die from lice than from any other cause. Do not let them get chilled and keep the lice off and you will have no trouble in raising turkeys. Every 10 or 12 days go over your little turkeys in this way; get half a pint of sweet oil and add to this half an ounce of oil of sassafras, and mix well. In the evening, after the last feed, catch each one of the poults and rub a little of this oil on the head and wings and a drop on the throat. Do this about three times and you will have no lice. The young turkeys all the milk they will drink after they are a week old.

It would be well in turkey raising to remember a few well known facts that are essential to their successful development:

It takes 28 days to hatch turkey eggs. Never let the young turkey get wet. Dampness is fatal.

Look out for mites and the large ones on the heads and necks. Grease them with sweet oil or lard, but avoid kerosene.

Nine-tenths of the young turkeys die from lice. Remember that.

Filth will soon make short work of them. Feed on clean surfaces. Give water so they can only wet their beaks. Mashed potatoes, cooked turnips, cold rice and such will always be acceptable. Remove coop often to fresh ground in order to avoid filth.

Give them liberty on dry, warm days.

(Continued on page 8.)

Can YOU Tell Good Seed Corn?

Here are samples from 5 ears selected for seed. They looked alike and were thought to be equally good. Holden's Ideal Corn Tester proved by the water germination test that three out of the five were absolutely unfit for seed.

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Johnson's Best Old Trusty Message for 1911 -and His Own Book FREE

Subject—Why I can sell you the best incubator in the world, delivered at your station—on 30, 60 or 90 days' trial—for less than \$10—that will last you more than 10 years

THERE'S only one answer—it's because I make and sell so many of them. For the season of 1910, I made and sold over 42 solid miles of Old Trusty Incubators and Brooders. I sold over 75,000 machines—put them end to end and they would make a solid sidewalk over 42 miles long. From my St. Joe, Missouri, office alone, I distributed 113 big 50-foot furniture car loads.

This is a tremendous amount of business for any one incubator maker to do—there must be a reason for it. The reason is simple and quite old fashioned, yet true. It's just because Old Trusty Incubators and Brooders are now recognized everywhere—by everybody who knows anything about incubators and brooders—to be the best machine on the American market sold for the least money. Years ago I adopted a policy of selling incubators and brooders on a 7 per cent profit plan. Competitors said it could not be done—that I'd "go broke" and go out of business on such a policy. But they didn't guess right on the sentiment of the people. I didn't have enough to go round for 1910—maybe I won't have enough to go around in 1911. Now, I believe there are other good incubators and brooders on the market, but I don't believe there's one that is as good as the Old Trusty—and 75,000 people last year agreed with me—agreed to the extent of sending me their money for machines—and I am about sure that over 100,000 will agree with me this year. Every year I am adding expensive machinery to my factory, which enables me to cut down the cost of building incubators. I haven't "gone broke"—on the contrary, I've built up the biggest business in the world in my line. I'm selling more machines than any five of my nearest competitors put together.

My 7 per cent profit plan means less than 70 cents profit on each machine. I plan to get a little profit on each machine with a big volume rather than a big profit on a small volume. And now I'm at it again for 1911 with a factory output of 100,000 machines and I'm going to cut my profits another per cent on account of increased volume. I'm going to sell machines at 7 per cent profit for 1911 in place of 8 per cent. This reduction is on account of the increased volume of my factory which enables me to make machines at a still lower price. This year I've just installed two high pressure boilers, 175-horsepower each; one 175-horsepower Corliss Engine; one 135-horsepower Four-Valve Erie Engine and two new generators, an 80 horsepower and one 175. And the credit (thank you, one and all) is all due to my chicken-raising friends, who found out that Johnson made the best incubator on earth and that he sold it on a live-and-let-live price. All I ask at this time is the privilege of explaining this proposition to you in my big free incubator and poultry book. I take a lot of pride and get a lot of pleasure out of writing that poultry book every year, because what I put into it is the result of actual experience, gathered by myself and by my poultry-raising customers. There's no "hyfalutin" language in the book, no dreams of art as illustrations, but just plain, right-down-to-the-ground facts or

poultry raising for people who want to make money with an incubator. And every illustration is an actual photograph. This book is not leather bound, nor hand illuminated, nor is it a de luxe edition. It isn't intended to be an ornament to your library shelf, it is just a big book of actual facts on incubators and brooders, written for people who want to know how to make real money out of their poultry—and make it quick with the least possible expenditure and outlay for the proper equipment to do it with. There are many pages in the book, hundreds of photographs, a lot of testimonials, a lot of poultry information, a lot of feeding information, a lot of incubator experience from customers throughout the world—and a full description of Old Trusty Incubators and Brooders and how to use them. With the book I quote you a price on these machines delivered at your railroad station—freight charges prepaid and all ready to run. Poultry raising is getting more profitable every year. Eggs and poultry are increasing in price every month, yet chickens are no harder to raise and don't cost any more to feed than they ever did. So higher prices for eggs and poultry mean increased profits for the producer. The poultry business is going to be better for the producer every year. Let me mail you my book at once. Fill out the coupon printed below or send me a postal. Just say, "Johnson, I want the book." I'll do the rest.



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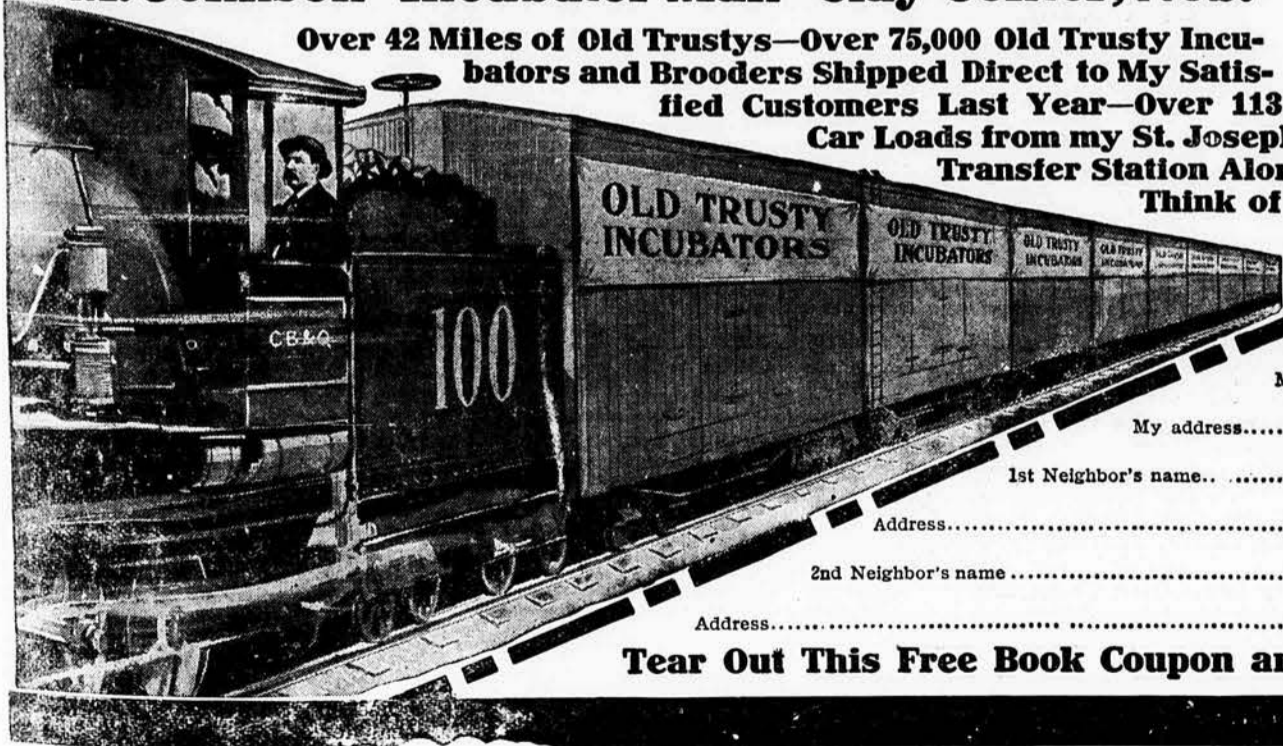
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Clay Center, Neb.

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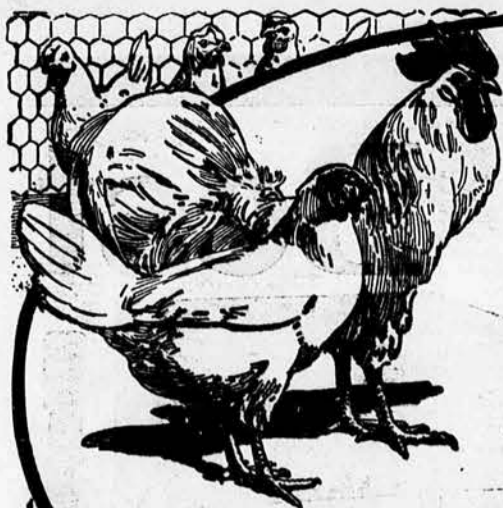
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"Hatching Facts" Free



I want to send you my 1911 Booklet. Just send name and address on a postal—I'll mail you my latest edition of "Hatching Facts"—the most unique—most convincing—right-to-the-point piece of literature ever published on Incubators and Brooders and Poultry Raising for Profit. It gives you just what you want—quick—tells you how to start right at least expense. My Belle City Incubator won the World's Championship last season. "Hatching Facts" tells you all about it—tells you of hundreds of other wonderful hatches. Write for the Booklet today—or if in a hurry, order direct from this advertisement—hundreds of others do. I'll send book, too. Anyway, read remarkable offer below: J. V. ROHAN, President, Belle City Incubator Company.

\$7.55 Buys the **Best 140-Egg Incubator** Ever Made

\$4.85 Buys the **Best Brooder** Both Incubator and Brooder, Ordered Together Cost You Only **\$11.50—Freight Prepaid**

WHY PAY MORE? Investigate—send your name and address today, the easiest way, by postal or letter. I tell you the prices right here—and how my machines are made. You can have ninety days' trial on both incubator and brooder—and I'll send all money back if they do not do all I represent.

Be sure to send for my illustrated, free booklet, "Hatching Facts." But, if in a hurry, you are perfectly safe in ordering right now from this ad. Thousands do this way every year. I guarantee to ship all orders sent from this ad on day received—(from warehouse nearest you, or Racine.) No disappointments. Order a Complete 140-Chick Belle City Hatching Outfit. Send only \$11.50 for both Incubator and Brooder—freight prepaid (East of Rockies). You'll surely need the

140-Chick Belle City Brooder ONLY \$4.85



brooder, too. So make the savings. Satisfaction Guaranteed or money back.

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Mrs. M. J. Clifton, of Quinlan, Oklahoma, won the World's Championship with her Belle City Incubator by hatching the highest perfect score in *Successful Farming's* 1910 prize contest of 183 entries—140-egg size—140 eggs set—140 chicks hatched. This was 100% perfect on the full capacity of the Belle City. Many other incubators selling at from 2 to 5 times the low price of the Belle City did not equal or even approach this performance. Thousands of testimonials show you Belle City can do best for you also.

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Belle City Incubator Company Box 18, Racine, Wisconsin



We Ship Quick From Buffalo, Kansas City, St. Paul or Racine

140-Egg Belle City

Incubator Only \$7.55

Freight Prepaid

East of Rockies

TURKEYS FOR PROFIT.
(Continued from page 6.)
but keep them penned up in wet weather. Finely cut bones with the meat adhering is excellent for them. Pullets may lay small eggs at first, but the eggs will gradually increase to the normal size. Two-year-old gobblers with pullets or yearling gobbler with 2-year-old hens is good mating. A single union of a male and female turkey fertilizes all the eggs a hen will lay for the season, hence one gobbler will suffice for 20 or more hens.

That incubators and brooders are a distinct advantage to poultry raisers is well known to those who have used them for any length of time. Once in a while a beginner may be somewhat discouraged, because something about the work or the machines gets wrong. But when the causes of mishaps are located they are usually found entirely outside of anything that may be directly chargeable to the machines themselves. It would be hard to guess, or estimate, just how many thousands of incubators and brooders are now in use in Kansas, but a guess of 100,000 is not likely to be any under the actual number. Very likely the number would run a half more than that. It is generally conceded that two factories each have sold as many as 5,000 and 8,000 such machines per year for four or five years. And these two factories were but that many out of something like a hundred others in the business, and all selling more or less to Kansas folks.

The poultry raisers of Kansas buy a lot of incubators and brooders every year. This is as it should be. The many thousands of such machines on Kansas farms are, without doubt, the greatest one factor that makes it possible for Kansas farms to sell over ten and a half million dollars worth of poultry and eggs in a single year, as they did in 1910.

Every one who has room on which to raise more poultry should, by all means, plan to raise more. Poultry prices are good. So are egg prices. And there is no likelihood that poultry and egg prices will ever again go down to the point where no profit will be possible. Present price levels are most likely to remain for years to come.

On the farm there is no branch of the work that yields a surer profit, or a readier profit than poultry. The feed is usually for a large part what otherwise would be waste. So operations can be extended for a very small cost to begin with. And that small cost is easily earned back the first year—with a profit, at that.

When the incubator is hatching in a cold room, don't let the chicks drop into the nursery unless the floor of the nursery is at least 90 degrees warm. Better take chicks out as they hatch and put them in a box or blanket lined with a soft twar cloth, and keep the box or basket in a warm place.

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Superior Grain Drills are not an experiment or something new. Thousands of the most progressive farmers in every part of the grain growing world are using Superior Grain Drills, not only for sowing oats, wheat, rye, barley, rice, etc., but for drilling cow peas, beans, beets and all other large and small grains. Superior Drills will accurately sow any and all grains from tiny grass seeds to large bush Lima beans without cracking the seed. The Superior Drill is manufactured by The American Seeding-Machine Co., Incorporated, Springfield, Ohio, in large varieties of styles and sizes, especially to meet the conditions that confront the farmers in every locality in the grain raising world. Write them for a Superior catalogue. No matter what your seeding conditions may be, you can get a Superior Drill that will please and satisfy you. If you desire to sow commercial fertilizer or granular lime, you can get a Superior Drill that is guaranteed to do the work right. Investigate the Superior Drill for yourself as to its choice material, strength, simplicity and the work it has done and will do. Go to your local dealer, and insist on seeing the Superior. Remember that the Superior has an ironclad guarantee to do all that is claimed for it.

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Sam Thompson Guarantees His Fairfield Incubator To Make 90% Hatches



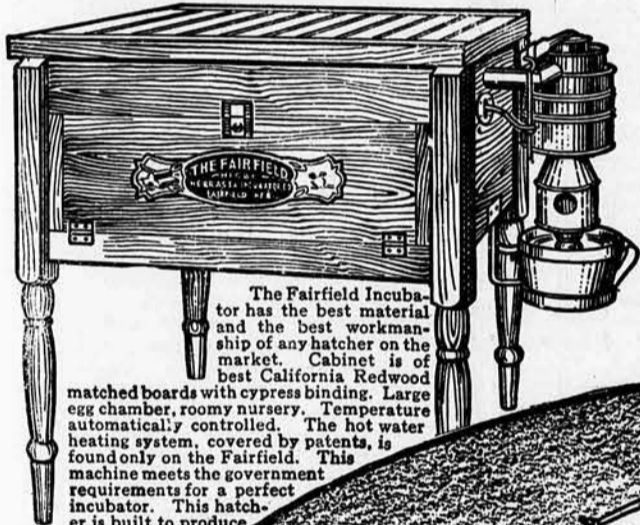
Stop just a moment. Read that heading again. Then think it over. You will admit then that my offer is the most liberal one ever made—a far better guarantee than you will get on any other machine. The incubator problem will never be settled until you settle it right. This is a bigger, better opportunity to settle it than you will get from any other manufacturer—it's the safe and sure way to get the right machine.

If hens setting on 100 eggs hatched every egg, which they seldom do, their feed bill would reduce your profit below that of my Incubator hatching 90 out of a 100. I am actually guaranteeing you more money than you would make if your hens hatched 14 chicks out of 12 eggs. Ninety per cent hatch every time requires a first-class, expertly made machine with roomy egg chamber and perfect heating device. I am the only man who dares put this guarantee on his Incubator. I give you an iron-clad guarantee that my Fairfield incubator will hatch ninety per cent or more of all fertile eggs put into it. I send this machine to you on approval and let you try two hatches free. If it does not fulfil every claim send it back at my expense.

This is a fair, square offer made to prove that my Fairfield incubator is the World's Best Hatcher. I want every chicken raiser on the continent to take advantage of it. Read my guarantee at the right. I tell you in black and white just how I guarantee this Fairfield—best of incubators. I make this incubator question so easy for you it's like adding two and two and the answer is Fairfield.

If you are thinking of buying an incubator now or in the future, I want you to send for my big poultry book. It is packed with meaty facts about the chicken business.

Read My Two-Hatch Trial Offer Below



The Fairfield Incubator has the best material and the best workmanship of any hatcher on the market. Cabinet is of best California Redwood matched boards with cypress binding. Large egg chamber, roomy nursery. Temperature automatically controlled. The hot water heating system, covered by patents, is found only on the Fairfield. This machine meets the government requirements for a perfect incubator. This hatcher is built to produce

results and frequently hatch more than the ninety per cent I guarantee to make. My free book gives prices that will surprise you. Write for it now—today before you forget it.

My 90% Hatch Guarantee On The Fairfield Incubators

I didn't hire any lawyer to write this guarantee. I wrote it myself. There are no loop holes or crawling-out places. If you don't like my Fairfield Incubator for any reason whatever, I don't care whether it is looks or results, you get your money back. That's my guarantee. When I signed it I dipped my pen in the mucilage bottle to make it stick.

I guarantee the Fairfield Incubator to hatch ninety per cent of all fertile eggs. I guarantee it to be the World's Best Hatcher—best in looks, results and ease of operation.

I guarantee the heating system of the Fairfield Incubator to be the best possible for uniformly high percentage hatching and guarantee that the Fairfield heating system is found only in Fairfield Incubators. The thermostat heat regulator is guaranteed to prevent the temperature varying more than one degree during the entire hatching period.

In short, I absolutely and unconditionally guarantee the Fairfield Incubator to be the best possible hatcher from any point of view. I agree to refund your money if it is not or if after purchase you are dissatisfied with this machine for any reason whatever.

Nebraska Incubator Company
Signed Sam Thompson Pres.



Get a Good Brooder
to take care of that big crew of chickens you will hatch with the Fairfield ninety per cent Incubator. Fairfield Brooders are well made, warmly heated and perfectly ventilated. Heat is distributed evenly over the Brooders.

They are not overheated near the lamp and chilled at the side walls. You will raise more of your chicks with a Fairfield Brooder than you can by any other method. It is warm as the sun and roomy as all outdoors.

"HERE'S THE WHOLE THING IN AN EGG SHELL"

The Fairfield incubator puts your poultry on a business basis. It takes egg hatching out of the realm of uncertainty and by guaranteeing ninety per cent hatch every time, makes your chicken profits as sure as those on your stock, corn or oats. The Fairfield Ninety Per Cent Hatch Guaranteed Incubator means as much to you as did the Reaper to the farmers of a half century ago. When you read what other incubator makers say their machines will do, ask them what they guarantee. Then read my Ninety Per Cent Hatch Guarantee and my Two-Hatch Trial Offer and see if mine isn't the fairest, squarest offer you could find in a month of Sundays.

My Big Poultry Book and Catalog Free

If you are raising chickens or ever expect to raise them, you need this book. It's a great, big book that tells you more hard, common sense facts about the poultry business than you could learn in a ten years' course in the school of experience. Fully describes the Fairfield Incubators and Brooders. Tells how to prevent and cure chicken diseases, what and how to feed, how to make your hens lay or how to fatten them for the market. This book is beautifully illustrated in colors, showing poultry scenes, etc., and is in every way the handsomest and most interesting poultry book of the year. It has been prepared at great expense for free distribution in order to introduce my Fairfield incubators and Brooders. Makes no difference how much your time is worth it will pay you well to read this book from cover to cover. Any book-seller would charge at least \$1 for a book containing information it does. Write for it today.



My Two-Hatch Trial Offer

Here's the fairest way I know to prove the truth of every claim I make. Send for one of my Fairfield incubators; I will send it to you freight prepaid; examine it thoroughly; investigate it in every detail.

Put a setting of eggs in it and when they are hatched put in another; if you decide to send it back I don't charge you anything for the use of the machine and you will have had two settings hatched absolutely free. I am so confident you will like my hatcher I make this liberal trial offer.

If the Fairfield incubator does not hatch ninety per cent of all fertile eggs in both hatches send the machine right back at my expense and I'll refund your money.

If the heating system is not the best you ever saw, if the regulator does not maintain even heat, if the Fairfield incubator falls short in any way whatever, ship it right back and charge the freight to me. I'll return your money.

I'm so sure of this machine I'll even return your money if it isn't as handsome as you think it should be. That's my way of doing business; if I can't be the bell cow I'll get out of the herd. I am not satisfied unless I am making a better machine than anyone else and I don't want a cent of your money unless you are convinced that I am giving you the best incubator you can get anywhere for the same or even more money.

I want you to buy my incubator with the same confidence you would have in buying from a neighbor you have known all your life. You will do this when we are acquainted and the best way for us to get acquainted is for me to send you my incubator on Two-Hatch Trial. Tear off the coupon and mail it to me today.

Sam Thompson, President Nebraska Incubator Company, Fairfield, Neb.
177 Main Street.

Sam Thompson, Pres. Nebraska Incubator Co.
177 Main Street, Fairfield, Nebraska.

Send me your big, free poultry book and further particulars of your two hatch trial of ninety per cent guaranteed Fairfield incubator

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Rambler Sixty-five Forty-inch Wheels

THE Rambler Offset Crank Shaft is a necessary advantage in a car to be used on country roads or in crowded city traffic. It enables you to throttle down on high gear no faster than a man usually walks, or glide along slowly on high gear behind a heavily loaded wagon. You take the hills easily, as there is no need to rush the hard pulls, and much gear shifting is avoided. Notice a man about to mount a bicycle. He always adjusts the pedal in that position where it will receive to best advantage his full weight on the first downward stroke. This position for the pedal is slightly forward of the center of the crank shaft of the bicycle. If he mounted when the pedal was directly over the center of the crank shaft, his weight would fall directly on the bearing and the first downward stroke would be retarded and, therefore, weak. In the Rambler motor, at the time of greatest pressure the connecting rod is perpendicular, and the crank shaft in a position to receive the greatest power from the explosion. This feature, with the Straight Line Drive, big wheels and tires, Spare Wheel and accessible Engine, is most appreciated by the experienced owner.



Corresponds to position of crank shaft in ordinary engine at explosion center.



Corresponds to position of crank shaft in Rambler engine at explosion center.



Ordinary engine position of crank shaft at explosion center.



Rambler Offset Crank Shaft. Position of crank shaft at explosion center.

The new catalogue is ready. Send for it. Tell us the kind of car you like and we will mail you the Rambler Magazine.

The Thomas B. Jeffery Company
Main Office and Factory, Kenosha, Wisconsin
Branches: Boston, Chicago, Milwaukee, Cleveland, San Francisco, New York

The Poultry Consuming Public.
The poultry consuming public has great reason to complain of the quality of the fowls that are often seen in the markets and that are offered to the meat trade. This is especially so in the dressed poultry supply shipped to the city markets during the dressed poultry season.

Damaged poultry caused by freezing and thawing weather is a condition that cannot be placed to the fault of anyone in particular, and does not argue against quality of product, as very good and nicely prepared stock may meet with the accidents of damage usual to perishable produce.

The practice of shipping dressed, thin and damaged poultry to market should be prohibited. There should be a city inspection that would look carefully into all poultry shipments and condemn all doubtful poultry, everything that is thin, bruised, skinned up and in bad condition. It should be discriminated against by all reputable commission firms as unmerchantable goods, and sold, if sold at all, at damaged prices. This habit of carelessly handling the dressed poultry by the producer or killer should be broken up and can only be done by being charged up to the pocketbook; this method of punishment would correct the habit.

Where fowls are thin, sickly appearing and reasonable evidence exists that they were diseased or starved down to this condition they should be sent to the dump at the loss of the shipper. This course would soon put a different class of poultry on the market. The diseased and sickly fowls of the farm or poultry yard have no right to come to the table of the unsuspecting consumer. Yet whole flocks of diseased, declining fowls are marketed as the only means of saving a total loss from the ailments that occur occasionally. A judge of fowls will readily detect these as they appear on the counter of the meat market or grocery; few persons, however, are experts, and the imposition is easily worked off.

In live fowls there are hundreds that are offered in the coops at the commission houses that are sick. The poultry raiser or poultry dealer can readily detect these, the sickly, pale appearance of the head is a direct key to the health of the bird, but the average person who takes the fowl as a consumer knows a chicken to be a chicken; a goose and turkey is equally well understood and the order is filled without inspection.

Better prices could be had for first class, nicely prepared stock, guaranteed to be right in all respects. The reputations of the fruit grower and the dairyman are selling large quantities of their goods at prices because they have established a character for quality. The same may be done by a shipper who will not handle only the very best of poultry, require everything to be sound, healthy, in good flesh and nicely prepared for market.

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Of potatoes is what you will get with good seed and an Iron Age Planter. It plants 100 per cent. without misses or doubles or injury to the seed. Every seed piece placed, just right, at even spaces and covered uniformly. The boy pays for his labor 10 to 20 times over, and the planter pays for itself—ask any user. With or without fertilizer distributor.

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have "made good" and proven their superiority for 75 years. Send postal to-day for our Anniversary Catalog—it tells all about our Potato Planters, Cultivators, Diggers, Sprayers, Garden Tools, Wheel Hoes, Drills, etc., and is FREE. Don't delay.

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Stock carried at Kansas City, Denver, Oklahoma City, Peoria, Ill., and St. Louis, Mo.

If you get your chicks started right—during their first week—there will be little chance of losing very many before maturity. The first week is a time calling for attention and care.

Have the brooder hover heated to 95 degrees to 100 degrees before you put newly hatched chicks into it. Keep up this heat for at least three days, and until the chicks eat freely of feed. While they are living on the yolk of the egg—which is last taken into the chick's body, just before excursion from the shell—and which is nature's provision for sustenance until the chick gains strength to eat, digest and assimilate foreign feed—chicks need artificial heat, if not given to hens. If you experiment, otherwise, business will pick up quickly for the chicken undertaker and grave digger.

When you read in some newspaper article, that is full of big words, that only hot air incubators are worth having, you can set it down that there is a nigger in the woodpile somewhere, or the article is shy on good sense. The hot water incubator is a tremendous success. More of them, by long odds, are in use than of the hot air type and a greater number of hot water machines are sold with each succeeding year. This does not say hot air incubators are not good. They are. Both kinds are good. Both kinds are worth having in that it pays to use either kind.

Work And Success of P. M. Wickstrum

By S. T. JACKSON



P. M. Wickstrum, President Queen Incubator Co., Lincoln, Nebraska.

is more than passing unusual a man, past the age of 50, should up one line of business, in which had been successful, to take up a line, in which it was known, that was could only come, after the best kind of work, and perhaps of waiting. Yet that is just P. M. Wickstrum did some six ago.

Twenty-four years, Wickstrum in Clay County, Kans. He came Kansas, with some indifferent on his back, a lot of determination, grit and ambition—and that about all.

That twenty-four years, through the vicissitudes of Kansas conditions—the ups and downs—Wickstrum gained and still holds the highest esteem of his neighbors and business associates.

His life with him was never "a lot of roses," still through his faith in the country in which he had chosen his home, he gained a sufficient of this world's goods to educate his children, as becomes every American citizen and enough to him and the good wife through declining years if he chose to come from active business. The time when "Pete" (as he is popularly known in his old home) thought he could take life easy. He sold out his business interests, and thought he would devote himself to whatever would keep him only as busy as he might expect to be, from time to time.

After he was away from the pressing necessity of active business, he found time to drag on his hands. He decided to start into something that would still be a business, but in his efforts would go more to be of distinct help to the western public, and to the mere making of more money. While not a rich man as that is understood in Wall Street, he had had enough for the needs of himself and family.

While thinking out the matter, he remembered the hard years in Kansas and the hard struggle western farmers had to get along and live. He remembered the great factors that made it possible for the great West to hold its population, that crops wouldn't grow—the hogs and the cows. He was always a believer in keeping more and more cows and poultry on every farm. He finally decided to take up the business of manufacturing Incubators, Brooders and Poultry Supplies.

Study and investigation showed that while there were all ready more than a hundred factories in that part of the United States, there was room for one more, that is a certain kind of one. While hatching and brooding machines had been made in this country for fifty years, and for a hundred years in England, it was clearly apparent that something was wrong somewhere, in the kind of machines made and sold. While some of these machines had wide appeal and were giving, what was considered to be good results, good satisfaction—still the one big fact stood out—that the average results of all machines, as well as the average production of one machine showed a less percentage than the hens were producing under natural conditions. The manufacturers, even, admitted in their catalogs and other literature that Wickstrum was aware he could not compete upon Nature. But he realized that "if artificial heat will hatch chicks in a machine, why will not a hatch to equal the work of Nature if the machines are properly constructed?"

Again, "if a machine called a brooder will raise some chicks by artificial heat, why should not a brooder raise chicks even more successfully than hens, if the machines are properly constructed?"

Reasoning further, he found that the chances of loss with hens could be avoided by the use of machines. For one thing, a machine could always be started and run for a definite time just as a person could. The machine could be placed in the utmost convenience would be instead of having to have special attention as for hens.

There was then the big consideration—How to get the machines. Wickstrum realized he couldn't live on his own, he had to solve the problem

from the beginning. The thing he saw before him, was to take up the work where the "other fellows" had halted and go on to reach the degree of perfection necessary to have if machines were to be aids to poultry production, in a manner equalling that which machines were invaluable aids in other lines of human endeavor.

So he bought machines of all kinds from various manufacturers. He bought all the books any one of note ever wrote. He studied incessantly all the while he was "trying out" the various machines. After several years' study and much experimentation, he built new machines, embodying what he had proved over and over again, prime essentials that had hitherto been overlooked by other manufacturers to a greater or less extent.

Then he sent out machines of his construction, to many poultry raisers in various parts of the country—sold them under a guarantee, that would admit of no quibbling—money back, if the machines did not prove up to every claim, and thus give satisfaction in every respect.

These new customers became enthusiastic friends of Wickstrum. They reported on results, on conditions under which the machines worked. From all this Wickstrum gained a most excellent and painstaking number of co-operators. Each succeeding year showed more and more the high merit of the new Queen, as the machines were named. Each year brought in a larger number of orders than the preceding year.

Then the fine factory in Lincoln was established, on account of Lincoln's splendid shipping facilities for the western country as well as the east. Not only that, but experienced help could be found in Lincoln which was not available elsewhere. Fifty passenger and mail trains a day, furnishes a fine mail service over five trunk line railroads. The city is large enough to furnish plenty of competent help—yet small enough to keep away from labor troubles and strikes. It is only a few hours ride from his old home in Clay Center, Kans., without a change of cars.

Every effort was made to perfect a producing and distributing organization that would give the cheapest cost of production and shipping—the best and quickest service possible—all consistent with perfect machines and the utmost personal satisfaction in dealing with customers wherever they might live.

All this exacting work had to count

somewhere. It shows up well on present day results.

After six years of patient endeavor and painstaking work, the net result of Wickstrum's labors have been to produce hatching and brooding machines, which really do equal the best work of hens—not only equal it, but go farther, and give average results above the average of the best work of hens. He has accomplished his object—he has solved the problem he set himself to solve. He has given to the public the net results of his work in the form of Queen Incubators and Brooders which are now in use in all parts of the United States and in many foreign countries. While he holds basic patents on important machine inventions and improvements, he does not use his patent rights to exact a high price for his perfected machines.

Among the many things, Wickstrum found, he had to make new—to reach out into, and to take from open space, as it were—to create new—was the means for producing the artificial heat necessary to hatch and brood chicks—and to do it, to equal the best work of the most faithful hens.

True, of heating "systems," and of so-called "automatic regulators" there were many. But the best ones available, when put to exacting tests proved inadequate to the demands Wickstrum had set for the degree of perfection he determined to reach.

Necessity, it is said, is the mother of invention. Wickstrum's necessities, as he made them for himself, finally produced the means for fully meeting the necessities. His Queen machines have heaters and regulators of his own invention, that not only provide constant and uniform heat, to meet even the most exacting conditions under which incubators and brooders may be called upon to work—but the regulation of the heat is really automatic—and reliably so. Thus the first essentials of incubators and brooders—heat and heat regulation—called for first solution, notwithstanding that incubators and brooders had been on the market for years and years before Wickstrum thought of manufacturing one of them.

It was simply a case of a man's determination to produce a better article—to excel—where others were saying "good enough" that has given American poultry raisers the opportunity to get what really are labor-saving, increased result-producing, self-running incubators and brooders, that are better than was thought, a

few years ago, were possible to build. And these, too, for practical "live and let live" prices. Wickstrum made up his mind in the beginning, that any machine would be a failure if the price of it required the average poultry raiser to mortgage, for years ahead, all possible poultry prospects.

He sells his Queen machines for prices much lower than other machines sell for, which other machines hardly approximate the results and easy operation of the Queen. Wickstrum figures that a 6 per cent return on the money he has invested in the factory and equipment is enough for him. It is a part of his political creed that a 6 per cent return is a fair interest for the use of money—and that it is unreasonable to expect or exact a greater interest.

As showing the superiority of Queen machines, Wickstrum has on file many remarkable letters. For instance here is one from a man in Doylestown, Pennsylvania, who set aside a number of machines, for the Queen, which other machines cost twice the Queen price:

We purchased a 360 egg incubator and two brooders from you last spring in order to test their efficiency and I candidly admit that we got decidedly better hatches on the average from your machine than we did from those of other manufacturers. The brooders also pleased us. I am now sending you orders for eight more Queens same sizes.—C. Townsend Allen.

From Dunn, North Carolina, comes this one:

I have run something like a dozen incubators since I began running them and the Queen is the only one that has ever done the work for me. Out of 130 eggs I got 115 chicks. It has done this twice for me and that is good enough. I could not ask for any better.—E. E. Fitzgerald.

Up in Minnesota, where it is cold in the spring, during the hatching season, the Queen needs no night watch, as John Husman, Lamolle, Minn., reports in his letter reading:

I am very much pleased with my Queen incubator. It needs no night watch. It takes care of itself. This is our third hatch from 160 eggs. Hatched 140 strong chicks. That, I think, is a very good hatch. The Queen is O. K.

From Missouri, where folks have to be shown, Mrs. Lewis W. Thleman writes from Aulville, Jan. 10th, 1911

Will write a few words about the Queen incubator. I have made (A. No. 1) hatches in your 220 incubator. Have only used it two years but must say it is satisfactory in every way. I have left it many a day from morning until night and still the temperature would always be the same. I have actually made one hatch of 214 chickens out of 215 eggs, and another one out of 219 fertile eggs, I hatched 216 chicks. All O. K. I think.

Mrs. W. C. Opfer, Clay Center, Kans., a noted poultry breeder and writer writes:

The machines I have sold here for you have given the best of satisfaction. I am using four Queens myself and am delighted with them and the courteous treatment received from your house. I have the most and best Barred Plymouth Rocks I have ever had and many of them are "Queen" hatched and reared.

From Louisiana, (Cypress Grove) comes this remarkable report:

I put in duck and turkey eggs and a week later put in some chicken eggs. Later I got some quail eggs and made a little basket out of screen and put them in it, setting it up on blocks to raise them up even with the larger eggs. All fertile eggs hatched except one quail and one turkey egg.—Maude Coleman.


Away out in the extreme northwest the record of the Queen is good. Mrs. A. E. Harris, Rt. 1, Monroe, Wash., writes:

We had fine luck with the incubator and brooder we bought. Our Queen outatched everything in the country. There were several different makes of incubators, but the Queen is liked best. My father never would have an incubator on the place, but when he saw the Queen and saw how nice it worked he made up his mind that they beat any hen or incubator he had ever seen, so you have his order for two of your 360 egg incubators.

On January 5th last, C. W. Norton, Pomona, Calif., wrote:

"We are using at the present time twenty-one of your machines and wish to know what prices you can make on, say, ten 340 and five 220 sizes."

These few letters, out of many thousands of other similar ones, show conclusive proof that Wickstrum has better incubators—machines that run themselves—give uniformly good results—equal to and better than the hens. Just how he has done this, and succeeded in doing it better—making a further mass of proof that he has done it is all printed in a handsome book, the Queen Catalog and Poultry Guide, which is free to all who write for it. A letter addressed to Wickstrum, Queen Incubator Man, Box 28, Lincoln, Nebr., will bring a personal reply by return mail, also a copy of his book if you request it. Every poultry raiser who reads this ought to write for Wickstrum's own story of his work and his accomplishments. It will pay to read it, and pay big—even if one never buys a Queen machine.



More Milk Per Cow

better and richer milk that means more profit on every cow in your barn. This is the aim of every live dairyman and thousands of successful men know that the best way to get these big money-making results is to use

Pratts Animal Regulator

Here is what W. W. Squires, Flat Woods, W. Va., says: "I have been using Pratts Animal Regulator for the past two years and have found it to be the greatest milk and butter producer of the age. I can honestly recommend it for cows."

Pratts Animal Regulator acts directly on the stomach, bowels and liver. It makes whatever the cow eats at once available to pass into the blood and increases the secretions of milk. It also is the greatest conditioner in the world for horses and hogs. Pratts Animal Regulator is sold everywhere always on this condition—Satisfaction

Guaranteed or Money Back

Try Pratts Animal Regulator today. Test it thoroughly, then if results do not more than satisfy you your dealer will return you all you have spent.

You can get Pratts Animal Regulator from your dealer, \$3.50 for a 25 lb. pail—also in smaller sizes and in 100 lb. bags.

Pratts Bag Ointment for caked bag and sore teats

Send for Free Booklet, "Things Worth Knowing" about Horses, Cows and Hogs.

PRATT FOOD CO., Dept. 23 Philadelphia, Pa.

THE FARM



Dry Land Crop Rotation.

Successful dry land cropping requires frequent cultivation of the land—the dust blanket—either as an incident to the cultivation of corn, potatoes or root crops or without a crop, and the adding and conservation of humus in the soil.

The conservation of moisture in dry land farming is an immediate necessity. The fertility will last for some time, and the weeds and insect pests are items of future contingency, but moisture conservation must begin when the soil is turned. Moisture a crop must have to produce at all, and it is a prime necessity on new as well as old land. Cultivated crops will bring about this result in many districts.

Potatoes and root crops must be struck from the list of rotation crops in some districts or special provision must be made against the drifting of the soil. Corn may not be a success in all dry land districts, and there may be some sections which cannot spare the moisture necessary to produce a cultivated crop. Where such conditions exist, the dry land farmer must adopt the summer tillage methods so successfully followed in the Canadian northwest. A process of frequent tillage during the growing season, which will maintain a constant blanket over the entire surface is a necessity in dry land culture. There is a special harrow with spade-like shovels which loosens the entire surface to a depth of three or four inches, which is especially adapted for maintaining a soil mulch. The machine is made in sections like a harrow, and can be fitted out for a two or four horse team as the owner may desire.

The system of planning a varied cropping system for each individual field is right in principle and a safe rule in practice. Peculiarly enough it improves the social conditions in a community. That mixed farmers remain longer in a neighborhood than those who grow a single crop is the universal experience in this country. Mixed farming gives a longer tenure of service for the hired help, and thus enables the farmer to secure a better class of hired men and women. It rids the community of the floating, careless hobo help and brings in their stead a class of men who think while they work, and that alone will double their efficiency in producing results in a term of years.

Few farms are run to the best advantage which do not have two or more systems of cropping on them. The small fields near the buildings can be cropped to much better advantage by having them planned to suit the live stock needs than upon a basis of producing largely marketable crops. On the other hand, it is wasteful to put them into a system so permanent as not to take advantage of the heavier supply of manure and humus which the live stock add to the soil so regularly. The potato patch should be changed about through some minor rotation, for example, so that scabby potatoes will not be the rule and so that the potato crop can have advantage of the manure where pasture crops have been fed off and where leguminous crops have been grown.

Grass and forage crops in a rotation are, in my opinion, prime necessities. A system should be devised which will produce maximum crops when the field is sown, as the fixed charges against a field are very little increased for a heavy crop over those for an average crop and the net returns may be doubled.—J. H. Sheperd.

Dam the Draws and Plant Trees.

When the young man packs his grip, bids his mother goodby and goes and bids the young lady goodby, and says: "I am going to western Kansas to get a cheap home and then return for you," he thinks that his knowledge of that sunny land is very good. In all

of his pockets are tracts telling something of the golden west. His vision of a beautiful home keeps him busy so that he feels hardly settled in the car until the conductor calls out Kansas City.

Here in the crowded old Union Depot he meets young men, old men and families, all seeking homes. Soon he finds a party of people bound for western Kansas, so they are soon acquainted and talk of the land that they shall presently be looking over in search of a home.

There are four great trunk railroads crossing Kansas from east to west and no matter which one they board the next morning they will be entering western Kansas and by noon in the land of sunshine and cheap homes. They will discover that while the advertisements they are carrying in their pockets may be true, yet there is a something they see and feel that is not contained in any advertisement they have read. Perchance if the wind is blowing a blast that can only be felt in the west, they will not tarry, but return in horror, and carry back with them a false impression of this great country. If, upon the other hand, there has been a rain and the weather is ideal, they put in their time asking why you have not done thus and so. They are charmed with the country, and get as false a notion of it as those who went back in disgust.

On these points all new comers are agreed—that the land lays beautiful, the soil is rich, the people look and are fairly prosperous and everybody you meet bids you welcome and makes you feel at home. No better people ever lived than dot the prairies of western Kansas. All other points about this country are as widely different from the standpoint of new comers as night is from day. Nor is there any uniformity of action or thought of the old settlers, even those who have spent a quarter of a century out here. It is because of this diversified opinion of what and how to treat this country that the writer will discuss, with your permission, some things that we all ought to agree upon and do. You will pardon the subject as I do not mean to "cuss" the draws but to make a reservoir to hold water. That thing above all others is most lacking in western Kansas.

What we need more than anything else in the west is concerted action. Individual effort is valuable but if contrary to your neighbor, little will be accomplished; if agreeable with your neighbor, results will follow.

To promulgate some of the ideas I have formed of this country, after spending twenty-five years of the best part of my life here, will be the object of the articles sent you for publication during this year.—J. C. Hopper, Ness City, Kan.

Changing Seed.


The records of Experiment Stations do not show a necessity for changing seed grains to produce good and satisfactory yields. On the contrary, these records show that as a new seed becomes adapted to a locality and its environments, the yield has increased with a tendency to improvement in quality. These results have been attained by careful cleaning and grading each year. More than a thousand varieties of grains have been tested at the Minnesota Station and it has become a matter of common observation that "new varieties from distant sources seldom gain satisfactory results until they become well acclimated."

Observation and experiment further show that the degeneration of varieties—or the so-called "running out"—results from "careless selection of seed and poor tillage rather than from natural causes." The Minnesota Station would reserve the best field of grain on the farm, or the best piece of that field, for a seed-plot, and seed by the use of the fanning mill and grader, to increase the yield and make the variety already grown more valuable to the locality.

PLOW 30 Acres Per Day

Uses KEROSENE or GASOLINE

COST: 50c. ACRE



HART-PARR PLOWING ENGINE

50c AN ACRE is a low cost for plowing 30 acres daily, including Kerosene, hired men and other expenses. It is done with our easy-to-handle Gas Tractor. No hitching or unhitching of horses, no lazy fellows to reprove, no worry and bother from poor help or sick horses. Unlike a steam tractor it loses no time getting up steam. All you do is prime your engine, fill your lubricators, turn over the fly-wheel, and off you go, assured that you can plow 30 acres daily.

But plowing isn't all you can do with a Hart-Parr Tractor. You can hitch it to harrows, drills, headers, binders, threshers, silo-fillers, road graders, corn shellers, irrigating pumps, etc. No trouble can come in freezing weather, as its cylinder is Oil-Cooled and can't freeze. It is built in three sizes, to fit farms of 160 acres up. It's a tractor that makes money for you every day you use it, and costs you nothing while standing idle. Its daily "feed" is ordinary Kerosene. It's a pleasure to run it, is easily understood, and doesn't get balky. **The Ideal Tractor for a Dry Country.** Thousands in successful use. A postal card will bring our illustrated catalog. Write today.

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Get This Free Wind Power Book On ONLY Storm Proof Mill Made

Shows you the biggest power value ever offered. Describes the only reliable, self-regulating windmill—tells how it automatically folds its wings and lets cyclone pass through. Stands the strain of all storms. Has a large wind surface and works in lighter winds than other mills. You get regular, strong power and more service.

It works for your pocket all the time.

This wind-engine is a marvel. Takes care of itself. Needs oiling only once a year. Practically no repairs—no worry. No squeaking or grinding noises. Fits any tower; or we furnish tower. Costs practically nothing to run it a lifetime. Outlasts any two steel mills. Even, regular motion protects pump from rapid wear. Don't neglect this opportunity to learn about the wonderful

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Only one of its kind made. Protected by patent—cannot be copied. Built of the best material by skilled workmen—tested by experts—guaranteed to you—backed by 40 years of success.

Get all the facts before you choose any mill. You owe it to yourself. Read the story of this mill's unparalleled cyclone record. The mill without an equal in efficiency, durability and satisfactory service—the best and most economical mill made. Get your copy of the free book now and judge for yourself.

ALTHOUSE-WHEELER CO., 2 Washington St., Waupun, Wis.



Oil Once a Year

How the Wings Fold in a Wind Storm

HORSE OWNERS TRY THE CLEAN CURRY COMB

At Our Risk and save dollars in time, labor and expense. Automatic action, durable, effective, easy on the horse and always clean. Send address—stating number of horses owned, and we'll send Comb postpaid.

Arry Trial, send 50c or return comb at our expense. Valuable Horse Book sent free. **Clean Comb Co., 40 Fifth St., Racine, Wis.**



KEEPS FENCE POSTS FROM ROTTING

Yellow locust and red cedar posts are now too scarce for fencing. Pine, chestnut, willow—any kind of wood will last twice as long if treated with

AVENARIUS CARBOLINEUM

Guaranteed to preserve all wood in or above ground. One gallon covers 900 sq. ft. Freight prepaid. **Carbolinum Wood Preserving Co., Dept. 88, Milwaukee, Wis.**



February 4, 1911.

"Take the cow and her products from our country for one short year and every bank would close its doors, every cemetery would open its gates, ninety per cent of our infants would not celebrate their first birthday, age would languish and manhood deteriorate. As the honey bee is the harbinger of the white man the cow is the custodian of our nation's prosperity."

Killing Mill Insects.

Now it's the mill insects that are to be heated out of house and home. The trouble has been that these little pests have insisted upon setting up house-keeping right in the best flour mills of the country—in the flour—and ruining everything they touched. A while ago the entomologists of the Kansas State Agricultural College were advising the use of hydrocyanic acid gas, and it killed the mill insects every time. But there was danger that this gas would kill the miller also—and, of course, that wouldn't do, even if they were poor millers. So George A. Dean, assistant professor of entomology, who has had charge of the whole matter, sought a new and short way to kill the insects.

Professor Dean noticed that the common mill insects were dead, although surrounded with an abundance of food. It was observed, also, that these insects most frequently died in those parts of the mill where they might be subjected to a temperature varying from 105 to 120 degrees for four or five hours a day and for several days.

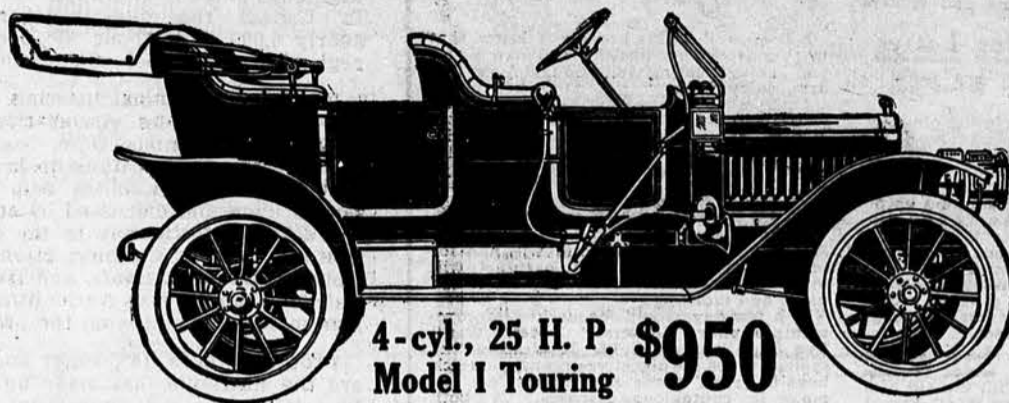
It was learned later that the French knew, long ago, the value of heat and devised contrivances, called insect mills, to heat infested grain. Experiments made by Professor F. M. Webster, in 1883, showed that a temperature of 140 degrees, continued for nine hours, cooked the larvae or pupae of the Angoumois grain moth. It was also learned that wheat could be subjected to a temperature of 150 degrees for eight hours without impairing its germinating properties.

Since this method of combating grain insects was not developed in a flour mill, and believing that the death of these insects in the Kansas mills was caused by a maximum temperature, the next step was to determine this temperature and to ascertain whether it would be possible and practicable not only to produce such a condition in a modern mill, but whether it would prove fatal to the insects.

Experiments proved that 119 to 120 degrees temperature killed the insects. The investigators made similar experiments with the larvae, pupae, and adults of the saw-toothed grain beetle, the Mediterranean flour moth, the cadelle, and the adults of the rice weevil. As soon as a temperature of 116 degrees was reached it proved fatal to the adults of the Mediterranean flour moth. It required 118 degrees to kill the larvae and pupae. A temperature of 118 degrees killed the adults of the rice weevil and 119 degrees proved fatal to all stages of the saw-toothed grain beetle. At 120 degrees the majority of the cadelle perished, but it required 120 degrees for three minutes to kill all.

Experiments proved the insects could be destroyed at a temperature not beyond that which could actually be produced within a modern mill. A flour mill was selected for a test. This mill had heavy brick walls and light wooden floors. It had a daily capacity of 600 barrels. Its construction represented the average modern mill in Kansas. It was heated with steam coils. The heat was applied from 6 a. m. to 6 a. m. the day following. The average temperature in the mill at the time the heat was applied was about 90 degrees, and the mean temperature during the day outside the mill was 77 degrees. The highest temperature reached in the mill was 118 degrees. After a careful examination of all parts of the mill, even the deepest accumulations in the most accessible parts failed to show live insects. In several places where there were accumulations inaccessible to hydrocyanic acid gas, not an insect lived. Thousands perished. To fumigate with hydrocyanic acid gas requires from two to three days, and is long shut-down, with the additional cost of material, is expensive and dangerous. You can turn on the heat Sunday morning until Monday morning, kill all the bugs and resume business on time.

I Built this Maxwell Especially for Farmers



4-cyl., 25 H. P. \$950
Model I Touring

Top, wind shield, and gas lamps extra

Here's the Car you've waited for at a price you can afford.

LAST year we sold 4,227 Maxwells to farmers. Think of it! This so stirred my enthusiasm that I resolved to design a car for *farmers especially*. One that would stand the hardships and terrific punishment of rough farm work, and yet stand up 365 days in the year.

Typical Farmers' Car

Operating a farm myself, I knew what was wanted. I knew the car must be substantially built of first-class materials. That it must be a big car, adaptable both for business and pleasure. That it must possess ample power. That it must possess simplicity and accessibility of parts. Above all, it must be a car of stylish lines and dignified appearance. Such a car I built. When I figured up manufacturing cost, to my great surprise I found that owing to the tremendous Maxwell facilities and output I could sell this car at the exceedingly low price of \$950. Such car value was never before known.

Not a City Car

It doesn't pay to sell a car built for city use—fine boulevards and macadam roads—telling the farmer it is the ideal car for the country. This policy may sell the first car, but never the second.

Ask any Maxwell Owner

Ask any Maxwell owner what it has cost him, saved him and produced for him. How it has saved his horses. How it has kept young men with their father on the farm because of its money-making possibilities. Ask him how it compares in expense with horse-drawn vehicles—if it is a paying investment.

Be My Guest

Call on the nearest Maxwell dealer. I have arranged for him to invite you and your family to ride in any Maxwell you select—at my expense. Be sure and try the Model AB—the new 16 H. P. Farmers' Runabout at \$600. Satisfy yourself that all Maxwells work alike—that they are equally reliable. The car will save you money, just as it has 40,726 other Maxwell owners.



These Books Free

Let me send you our latest catalogue, new "Farmers' Economy Booklet" and other timely literature. I will gladly send you these books free—and no obligation. Write me today. A postal will do. Just say, "Mail Books."

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Sold to Nov. 30, 1910	- 40,176
Sold during Dec. 1910	- 550
Maxwells in use today	- 40,726

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NEWCASTLE	CHARLOTTE	ALBANY	LOS ANGELES	DETROIT
TOLEDO	CLEVELAND	PHILADELPHIA	SALT LAKE CITY	DALLAS
				SAN FRANCISCO

A "Wise" Hog Raiser Tells Of Merry War Lye

Just take it from me, that this "Merry War" Lye will do to "tie to", when it comes right down to increasing pork profits. I've tried it and I know!

I was born and raised on a farm and lived with the hogs, as you might say. I know 'em clean through and through—one end to the other—from "snoot" to "stern."

For many years I have studied hog habits. I know their ways in sickness and health, and want to tell you Hog Raisers right now—straight from the shoulder—that its your own fault if you let worms and cholera carry off your hogs.

No Excuse For Hog Losses

Yes, sir, I mean just that! There's no excuse nowadays for losing your pork profits, since the discovery of "Merry War" Lye.

Of course it was different in the old days before hog raising was reduced to a science and carried on as a regular business. When I was a boy on the farm, we never knew just what would happen—whether our hogs would bring a big price for ham and bacon or have a soap kettle finish.

It was all a matter of "luck"; we just took our chances against worms and cholera. Many a time I have nursed a big drove of hogs along into prime condition ready for market, only to see my piled up profits in flesh and fat go glimmering in a few days from those pesky hog diseases.

What Merry War Lye Does

But now it's different. With the aid of a reliable remedy like "Merry War" Lye, I can snap my fingers at worms, cholera and all other hog troubles.



I sleep well nights because I know that my big droves are healthy and happy, fat and "sassy" eating well and laying on the firm, juicy flesh.

That's what "Merry War" Lye does for me, and it will do the same for any Hog Raiser who has the "gumption" to try it, as I did. Don't argue—don't think you "know it all"—don't doubt, but get busy and save your hogs.

A Friendly Warning

Just take my advice. Buy a can of "Merry War" Lye, mix a tablespoonful with slop for ten hogs, or one-half can with barrel of swill for larger number. Stir well, and feed night and morning.

In a few days, you'll see marked improvements in your "porkers." "Merry War" Lye fixes 'em up right. It cleanses the system, tones the digestive organs, puts sick hogs in prime shape and makes 'em immune to contagious diseases. It both prevents and cures.

At Your Dealer's

Don't accept any "substitute" for "Merry War" Lye. Tell your grocer or druggist, that it is the only safe and specially prepared hog remedy, and that you want "Merry War" and nothing else. It comes in 10c cans, 24 for \$2.00.

If you can't get "Merry War" Lye, write us and we will send you our valuable book on "HOW TO GET THE BIGGEST PROFITS FROM HOG RAISING." Address letter to—E. Myers Lye Co., Dept. 12 St. Louis, Mo.

LIVE STOCK



The first annual report of the Station Registration Board of North Dakota shows a total of 1,007 pure bred stallions and 1,339 grades recorded. In Kansas the total number was nearly 6,000 with about 40 per cent registered and 60 per cent grades.

The seventh annual meeting of the American Breeders Association will be held at Columbus, Ohio, beginning on February 1. Questions in breeding both plants and animals will be reported upon and discussed by some of the ablest investigators in the United States. Geo. L. Clothier, Herbert F. Roberts, David G. Lantz, and David G. Fairchild, all Kansas Agricultural College men, have places on the program.

Protein, starch, fat, sugar and fiber are the nutrients that make up foods. Protein is the only one from which muscle and tissue can be made—the others serve to produce heat, energy and fat. Starch and sugar are equal in food value. The fiber in the plant cut green has the same food value as starch—when the plant is mature the fiber becomes largely indigestible as in straw. Fat serves the same purpose in the animal body as starch; it is more concentrated, having two and one-fourth times as much nutriment in a given weight.

Sheep in Kansas.

A subscriber asks why KANSAS FARMER does not maintain a sheep department. If our friend would study the official statistics he would see why. He would see that the farmers of Kansas prefer dogs to sheep. At least he would find that Kansas has a great many more dogs than sheep and this must mean that dogs are more profitable than sheep on Kansas farms.

It has been shown that a very large percentage of the hog cholera and other contagious and infectious diseases, both animal and human, which work such ravages each year in Kansas are transmitted from place to place by dogs. It has been shown many times that the average dog is not only absolutely worthless but he is expensive and dangerous as well. Every year there are people who go to some famous "madstone" or to the Pasteur hospitals to seek protection from threatened rabies due to the bite of a dog. In this county the county commissioners recently paid out of the people's money, the expenses of sending some poor folks to Chicago for the Pasteur treatment and all on account of a bite from one of the million worthless curs which infest our streets, our roads and our farms.

Sheep men cannot succeed because of these dogs. If a farmer attempts to raise sheep he is at once confronted with the big expense necessary in building a dog tight fence about his pastures and corrals. A sheep is a money making animal and in no state more than in Kansas, where feed is so cheaply grown and shelter so easily provided. There could be raised on almost any farm a small bunch of sheep that would cost but little more for care and feed than do the chickens and they would pay. There is now a bill before the Legislature to tax all dogs in the state and it ought to pass. A good dog is a valuable animal and no one can love him more than does the writer. On such a dog the owner ought to be willing to pay a tax. Such dogs are not numerous and there is no room in Kansas for any other kind.

Our subscriber can make a beginning towards the desired end by sending in his own experiences as a sheep raiser or by asking questions concerning the business.

Silage for Beef.

Although we have had some experience in feeding ensilage for beef, it has not been of such a nature that we could give precise figures about it. We have had no scales and for that reason can not put our results in mathematical form. Still, I can give

you our conclusions from what data can be gathered from our work.

This is the fourth year we have used ensilage in fattening cattle. The first two years we fed them only a small amount. This was always eaten greedily and the cattle would often leave their corn to feed on the silage. Last year, however, we used a much larger amount of the silage. We fed a load of cattle about 22 bushels of this per day. I do not know the weight per bushel but it had a good amount of corn in it so it would be good weight. While we have no figures or weights as I have said, we were satisfied that we fattened the cattle more cheaply than we had ever done before. These cattle were yearlings and, with the exception of two or three head, brought \$6.10 on the Chicago market of December 21, 1913. This year we have had a lot of 2-year olds and we began feeding them green corn in the first part of September and continued this until we got both silos filled. This was in October. We then began feeding the ensilage and cottonseed meal about October 10. They have had about 6 baskets full of silage per day since that time. These baskets hold about 1 1/2 bushels. We also fed these cattle about 80 bushels of shelled corn in the last 25 days. I think these cattle made a more even gain than others we have fed. These cattle have been sold. They were in fair flesh and looked better at the stock yard than they did at home. They brought 6 cents a pound.

The silage was not nearly so good this year as it had been before. I think the 80 bushels of shelled corn we used did not any more than make up for the difference between the richness of the silage of last year and this year. We are fully satisfied that the use of silage is one of the most valuable factors in advanced and profitable farming in these days of high priced land.—Frank Tasker, Wyoming, Iowa.

The Stallion Law.

While looking through the pages of KANSAS FARMER, I find the Kansas Stallion Law published, and I appreciate the pains you have taken to submit the present law to the judgment of your readers. Now, let me tell you what the present law has done for me. I have a grade stallion, sired by Chester R. 23576, who was examined by the veterinarian appointed for the work. I told this officer that my horse was sired by Chester R., but the Stallion Registry Board stated in my license that the sire of my horse was unknown. The former owner of Chester R. states that the Registry Board acknowledged his papers and issued certificate No. 2050 to Chester R. If being true it means that my certificate was false and squarely against my own financial interests.

In speaking of cutting out scribbles will only remark that because a horse has a pedigree as long as your arm does not make of him a good horse and because a good horse has no pedigree, it does not make of him a scribble. I say here that the only clause of present stallion law that is of value to the farmer and stockman in my judgment, is that pertaining to soundness. It would be better if law provided that any competent veterinarian should be vested with authority to examine stallions, first the convenience of the stallion owner and second, it would be more just to divide the examination fees among competent veterinarians. Then we would show the public appreciation all who are enlisted in so worth calling as ministering to the painful diseases of our invaluable beast burden, the horse who is our most and useful helper and second only man in intelligence. Now I am sure we have hundreds of pure bred horses in the Jayhawker state. We will have more of them as the farmers take to them. I am glad we have the porters and breeders, but let us enact any legislation that will

Once Is Enough To Buy a Cream Separator—

If you have never owned a separator, let your first machine be your last. Don't buy carelessly or buy only on price and then find that you need and want a really good machine.

If you have an unsatisfactory, or worn out separator, let your next one be a lifetime investment. You will not be genuinely satisfied, you will not be making the dairy money you could, you will not be producing the finest dairy products with the least work, until you get a Great Western Cream Separator.

Don't waste money on other machines to find this out. Let others experiment—you be sure from the start. Decide now to investigate and test

The GREAT WESTERN

On Free Trial—5-Year Guarantee

Thousands have written us of their experience with other machines before they got a Great Western. Send for our book and read the letters.

Read our Free Trial Offer—any kind of arrangement you say. Read our guarantee—not for 1 or 2 years, but for 5 years, backed by \$1,000,000.00.

Cow owners who want all the cream, highest quality cream, least work, the biggest profits for the longest term of years, come to the Great Western Separator sooner or later.

It is the only separator with a skimming system that follows nature's laws—the milk sinks, the cream rises. The only separator that is kept perfectly clean without effort. With the only close skimming, easy turning bowl that is kept perfectly clean without effort. Imported ball bearings throughout and more accurate adjustments than used in many watches make the Great Western easier for a boy or girl to turn than for a man to turn any other separator. Low tank and low gears, with high crank, mean greatest convenience, least vibration, velvety cream and longest wear without repairs.

FREE—Valuable Information Learn in a few minutes from our large dairyman's book what thousands have been trying to accomplish for generations. Turn to page 19 of our Art Catalog and get the cream of knowledge regarding milk separation. Study these facts a little, then study the Great Western Separator. The rest we leave to your judgment. You'll decide to try a Great Western anyway—all at our risk. If it doesn't beat every other, on every point we don't expect you to keep it. Write for book now. Ask for Separator Catalog No. C333

SMITH MANUFACTURING CO., 158 East Harrison St., Chicago, Ill.

You Can Plow 40 Acres a Day

Forty acres are an easy possibility with the REEVES MULTIPLE GANG PLOW. The only really successful outfit is the Reeves Flexible-Frame Engine Gang Plow

because it does perfect work in all conditions of land. Flexible frame and running of plows in pairs gives REEVES PLOWS a great advantage over others. There are a dozen points of Reeves superiority.

WRITE FOR FREE BOOK telling the whole story of traction plowing. Shows plowing scenes and gives letters from users. Either steam-lift or hand-lift plows can be furnished for either steam or gas tractors.

REEVES & COMPANY
118 5th Street, COLUMBUS, IND.

any farmer or breeder to sacrifice or throw away a good grade stallion and then be compelled to buy a pure bred stallion of an importer and pay any unreasonable price he may see fit to ask, simply because our legislators have been so unwise as to enact a stallion law by means of which the big man in the horse business can grow financially fat in the sweat of the farmer's face.—Yours for a better stallion law, T. A. Rich, R. 1, Quenemo, Kan.

Our subscriber is right when he states that a pedigree does not make a horse, and that a good horse should not be abandoned simply because he does not have a pedigree. The purpose in publishing the stallion law was to give the farmers of Kansas an opportunity to read it and suggest to their Representatives in the Legislature just what changes should be made in it. The law is not perfect and changes are needed in it. To this general agreement is had. We do not believe the Legislature will enact a law which will compel the farmers to buy stallions from any favored class. The purpose of this law is solely to improve the horses of the state and we hope our readers will remember that their Representatives in the Legislature want their advice in order that they may be able to pass such a law as will accomplish the results aimed at and be of real benefit to the horse interests of Kansas.

Silage Results.

When more than 400 silos are built in a season in Kansas it's a fair indication that farmers are realizing that for many years they have wasted from one-third to one-half the corn crop. A silo does not greatly change the character of the nutrients in the corn plant. It is a roughage feed, the process of saving acting, merely, to retain digestibility and palatability in materials that ordinarily would be rejected. Tests have shown that from 35 to 40 per cent of cured stover was rejected, while the same material from the silo was eaten with practically no waste.

Two trials of silage as a feed for finishing steers for market have been made at the Kansas Experiment Station. The amount fed in both instances was small. It was fed with the grain ration and served more as an appetizer. Alfalfa constituted the bulk of the roughage. When marketed the silage-fed cattle brought 25 cents more a hundredweight than similar cattle receiving no silage. The amount of corn and alfalfa saved by the addition of the silage would have made the silage worth about \$5 a ton, based on present prices for corn and alfalfa. The results in the second trial were very similar.

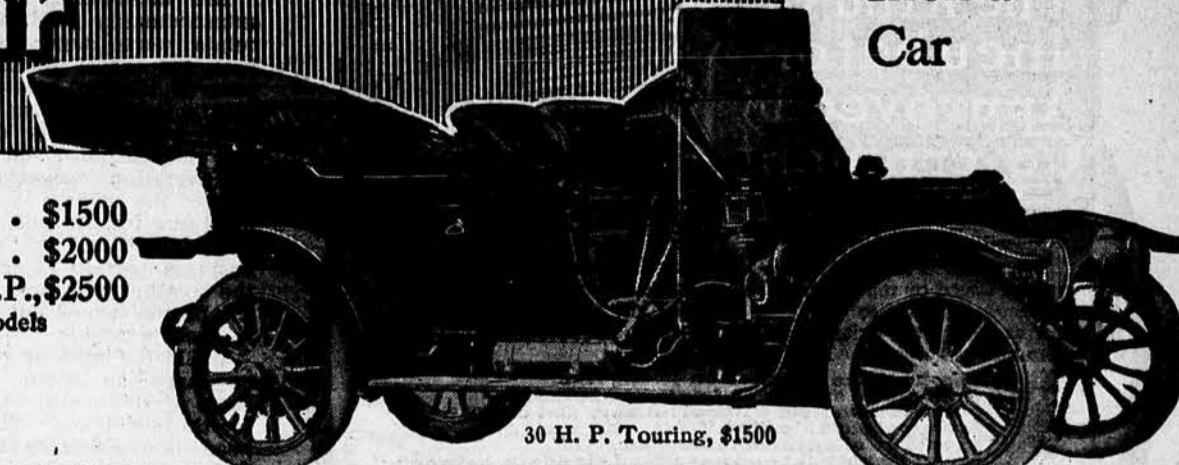
The results noted at other stations have been so highly satisfactory that Kansas steer feeders may well consider the methods followed as safe guides for their own practice. The Ohio Station fed three lots of steers corn silage in comparison with three lots on dry feed. Twenty-five pounds of silage daily with 17 pounds of shelled corn and from 1 to 2 1/4 pounds of cottonseed meal were fed with some additional dry roughage. The grain was fed with the silage. The dry feed lot received the same grain ration except that larger quantities of shelled corn were fed and all the roughage was fed dry. The gains made in the different lots were almost identical, but the silage-fed cattle made gains more cheaply because of the small amount of grain required.

The value of a ton of corn silage was computed on the basis of the cost of other feeds it had replaced. It ranged from \$2.65 to \$4.63 a ton, the latter figure assuming corn to be worth 50 cents a bushel, corn fodder \$5 a ton, and clover hay \$10 a ton.

At the Indiana Station the first two tests compared corn and clover hay with corn, clover hay and corn silage, the silage being fed at an average rate of 15 pounds a steer daily. The use of silage reduced the amount of clover hay eaten and consequently made the ration more carbonaceous in character. The results from a profit standpoint were slightly in favor of the silage lot. The next tests made by this station introduced cottonseed meal into the rations and resulted in the gains being made \$1 cheaper a hundredweight where silage was fed, corn costing 50 cents a bushel, cotton-

No Better Family Car

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30 H. P., . \$1500
50 H. P., . \$2000
6 cyl. 60 H. P., \$2500
17 Models

30 H. P. Touring, \$1500

An automobile that glides along smoothly and takes the hills and heavy roads without trouble—reliable under all conditions—an exceptionally fine looking, comfortable car.

That's the kind of automobile for the family—the sort that everybody can enjoy—that makes automobiling safe, restful and pleasurable—the kind of a car you can be proud of, and proud to take your friends riding in—the Kissel Kar is this sort of automobile. The \$1500 Touring Car, illustrated in this advertisement, is as durable and comfortable as any five thousand dollar car—accommodates five passengers with plenty of elbow room,

KISSEL KAR

The extra comfort and quality of the Kissel Kar come from our great attention to detail. On account of the accuracy and perfection of detail, vibration, the most destructive element in an automobile is done away with in Kissel Kars. We do not buy parts—we make every part ourselves, and every part is machined and fitted under a rigid system of multiplied inspection. The Kissel Kar is an exceptionally

durable and comfortable car because we take extraordinary means to make it so. The Kissel Kar provides the dependability you require in a family car—it climbs the hills and takes the heavy roads with ease—gets you quickly into town and back—takes you on a pleasure spin at an instant's notice. This car is not an extravagance, because it is built for long service, and costs little to run.

The Kissel Kar is a powerful automobile and high-grade in every detail—reasonably priced—reliable for all roads—easy to control—not expensive to maintain.

WRITE FOR FREE PORTFOLIO Write and we will send Free a beautiful portfolio, illustrating the entire Kissel Kar line, and fully describing the Kissel Kar features. This is an interesting, valuable piece of literature for anyone thinking of buying an automobile. Write for it today.

KISSEL MOTOR CAR CO., 175 Kissel Ave., HARTFORD, WIS.
LICENSED UNDER SELDEN PATENT

seed meal \$28 a ton, and clover hay \$8 a ton. The average amount of silage fed daily for the six months' period was 15 pounds, more being consumed at the beginning, and the amount decreased with the advance of the feeding period and the increased consumption of grain. It was computed that, under the prevailing conditions, silage was worth \$6.02 a ton when fed in this way. Later a test was made at this station comparing corn, cottonseed meal and corn silage with a similar lot receiving some clover hay in addition. The lot receiving silage only as a roughage made the more rapid and also the cheaper gains. In this test as high as 43 pounds of silage was fed daily to a steer the first month and about 16 pounds daily the sixth month. The average daily feed of cottonseed meal was three pounds to a steer for the six months, beginning with about 2 1/4 pounds and gradually increasing to 3.4 pounds.—Prof. G. C. Wheeler.

Board of Agriculture Officers.

At the 40th annual meeting of the Kansas State Board of Agriculture the following officers were elected: President, I. L. Diesem, Garden City; vice president, A. W. Smith, McPherson; treasurer, J. T. Treadway, La Harpe; directors, G. W. Glick, Atchison; O. O. Wolf, Ottawa; A. L. Sponsler, Hutchinson; Chas. E. Sutton, Lawrence; T. M. Potter, Peabody; T. A. Hubbard, Wellington; R. B. Ward, Belleville; Geo. B. Ross, Alden; and H. M. Laing, Russell, with Gov. W. R. Stubbs and Secretary of State Chas. R. Sessions as ex-officio members. Secretary Coburn's term does not expire till 1912.



You Will Be Warm, Dry and Comfortable Inside Your Buggy If You Use

GORDON'S BLIZZARD FRONT

It makes your buggy storm-tight, rain-proof and snug as your room at home! With it in place, you can ride in comfort in zero weather. The heat of the body supplies the warmth—no "foot-warmer" or lap robe necessary.

The metal encircled Line Pocket, 14 inches wide, and the 12x20-inch transparent Celluloid Window, make driving easy. You can pull on the strap on either side and jerk the front down on your lap in one pull; hence, it is called the "Safe Blizzard." When not in use it can be folded up and put under the seat.

If your dealer can't supply you, we will send on receipt of price, \$25; we send it prepaid and your money will be refunded if not exactly as represented.

Free Our illustrated "Blizzard" Booklet. Write for it today. A postal will do.

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Main Office, 135 North 4th St., Columbus, Ohio.
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Latest News on Farm Power

More and more farmers report great success and satisfaction with the first really simple farm power. The Great Western 4-cycle triumph is assured. Having done away with valves and all other complicated, weak parts—and by applying power at every stroke of the piston we offer the one engine practical for every farmer.

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—others have 25 to 50. Every stroke develops power—in others every other stroke. That's why Great Westerns give steady power and last while others give jerky power and wear out, need repairs. Get the facts, guarantee and prices. Free Book of Valuable Hints, No. 2222. Write now.

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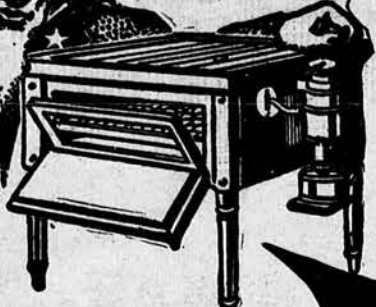
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THE SURE HATCH

The Kind of Incubator Approved by Government Experts



Farmer's Bulletin No. 236 on Incubation and Incubators, issued by the U. S. Dept. of Agriculture describes a perfect incubator. In so doing it describes the SURE HATCH as faithfully as though the writer had a SURE HATCH INCUBATOR standing before him as he wrote. Read what he says:

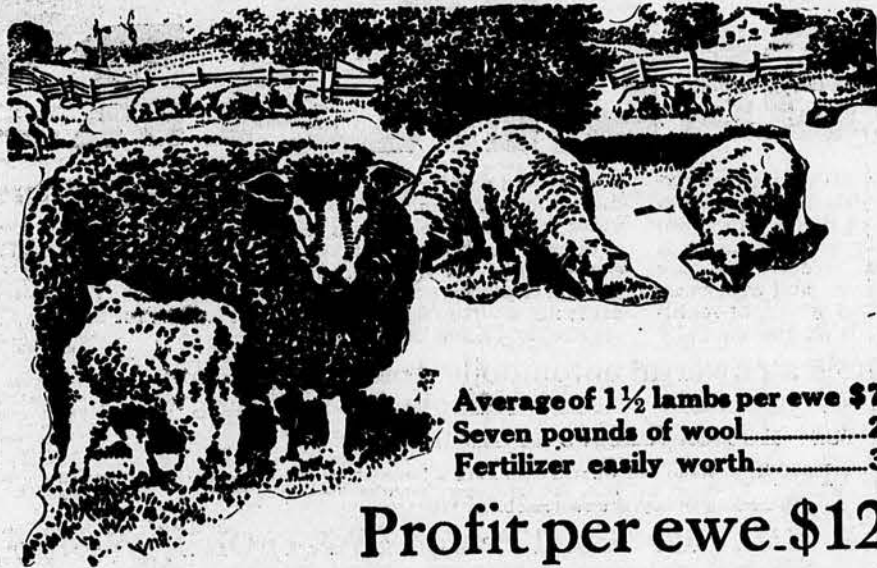
- "The body should be mounted on strong legs."
- "The top should be smooth and unincumbered."
- "No machine is complete without nursery and chick tray."
- "Best regulator is double disc."
- "Body should be of unshrinkable material."
- "Walls must be air tight and have dead air space between."
- "Must have double doors perfectly fitted."

The SURE HATCH is the only incubator having every feature required in a perfect incubator. Double redwood walls with dead air space between; dependable hot water heating system, sensitive, positive heat regulator and safe, steady lamp, are Sure Hatch features that are not equalled in any other incubator. The

SURE HATCH

cannot fail to hatch all fertile eggs. Insure against disappointment by getting a SURE HATCH, the incubator that has earned its reputation of hatching more healthy chicks than any other incubator made. TRY A SURE HATCH 60 DAYS FREE. We guarantee satisfaction and pay the freight. Send today for our Free Sure Hatch Book containing valuable information.

Sure Hatch Incubator Co., Box 423 Fremont, Neb.



Average of 1 1/2 lambs per ewe \$7
Seven pounds of wool.....2
Fertilizer easily worth.....3

Profit per ewe \$12

Any farmer with just a fair grade of sheep can do this well on the splendid pasture lands in the Ozarks. Early lambs will, with any show at all, weigh from 100 to 125 lbs. in the fall and bring from \$4 to \$4.50 per 100—and an average of 3 lambs for every two ewes can be counted on.

Isn't this worth looking into?

From this source alone, a small farm in the Ozarks will provide a fine living and pay a handsome profit each year, besides. These results are being secured on land that costs today from \$10 to \$25 per acre.

The perfect pasture conditions, the pure clean water, the well drained lands, the very mild climate and the varied and almost unlimited line of native grasses, provide a combination for profitable sheep raising in the Ozarks that is seldom seen elsewhere.

With mild winters, the dangers of loss at lambing time is reduced to the

minimum—and sheep can pasture practically the year round; trough feed and shelter are rarely needed.

The same conditions that make sheep raising so profitable there make stock farming of any kind very profitable. Hogs do splendidly—and without the use of much corn as feed. In the Ozarks, you can raise hogs at 2 1/2 c per pound, by feeding the rich and cheaply raised clover, cow peas, etc. Poultry is another big source of profit, for with the big cities of St. Louis, Kansas City, and Memphis close by top notch prices can always be secured.

You would be surprised at the many avenues for money-making that a small farm in the Ozarks offers you; and by taking advantage of all of them you can make one acre pay you more net profit than two acres where you are.

I feel so sure that a smaller investment in the Ozarks will yield you a greater net profit, with less work, than you can get where you now are, that I want you to read our splendid, illustrated free books of common-sense facts. The Frisco hasn't an acre to sell, but is interested in letting farmers know what splendid advantages the Ozark country offers. I am sure you will find the facts I can give you more than worth while. Please write today.



A. HELTON, General Passenger Agent, Frisco Lines, 501 Frisco Bldg., St. Louis.

The Kansas State Poultry Show

The twenty-second annual State Poultry Show was held at Wichita, January 9 to 14, 1911, and was a success in more ways than one.

The attendance at the show was extraordinarily good, and the gate receipts were larger than they have been for several years. The newspapers of Wichita treated the show in kindly fashion, giving it all the publicity they possibly could by write-ups and cartoons, and all without any remuneration whatever. The room where the show was held was an ideal one for the purpose, roomy, and well lighted and in the center of the business section of the town. While the weather was not of the best, still the people turned out to see the birds in great numbers.

While the number of birds was not as large as some previous years, there were several causes to account for the deficiency. The entry fee had been doubled over last year's fee, and the number of entries to fill the classes and to obtain full money, had been increased 33 1/2 per cent. But possibly the main cause for many more birds not being present was the severe weather of January 1, that frosted the combs and wattles of thousands of birds and thereby handicapping them for show purposes. The secretary heard from owners of hundreds of birds who said they would have been with us only that their birds' combs had been frosted and were unfit to show. Several breeders who had entered birds, were forced to lose their entry fees, because at the time of the show their birds were out of condition and therefore out of the race with frosted combs and wattles.

At the annual election of managers on Thursday, three new members were elected. Mr. D. D. Colglazier, Hutchinson; Dr. Earp, Eldorado, and L. B. McCausland, Wichita.

At the meeting of the board of managers the next day, Mr. H. J. Freeman, Wichita, resigned as a member of the board and Mr. F. A. Etrick of Dodge City was elected to fill his unexpired term. The board then elected its officers for the ensuing year as follows: President, Thomas Owen, Topeka; vice president, D. D. Colglazier, Hutchinson; secretary and treasurer, W. B. Borders, Wichita.

The awards were as follows:

AMERICAN CLASSES.

White Plymouth Rocks.

- Charles G. Fair, Sharon, Kan.—3 cockerel; 4 hen; 1, 5 pullet; 1 pen.
- G. R. Davis, Valley Center—1, 3 cock; 5 cockerel; 2 pen.
- R. C. Lane, Newton, Kan.—2 cock; 5 hen.
- J. T. Welch, Whitewater, Kan.—1 hen; 2 pullet.
- E. O. Spencer, Wichita, Kan.—1, 2, 4 cockerel; 2, 3 hen; 3, 4 pullet.

Buff Plymouth Rocks.

- E. D. Martin, Newton, Kan.—1 cock; 2, 5 cockerel; 5 hen; 2, 4 pullet; 1 pen.
- A. J. Waddell, Wichita, Kan.—2, 3, 4 cock; 3, 4 cockerel; 1, 2, 3, 4 hen; 1, 3, 4 pullet; 2, 3 pen.
- W. F. Alden, Ellsworth, Kan.—1 cockerel.

Silver Wyandottes.

- L. P. Hubbard, Topeka, Kan.—2 cock; 1, 2, 3 cockerel; 1, 2, 3, 5 hen; 1, 2, 3, 4 pullet; 1, 2 pen.
- M. B. Caldwell, Broughton, Kan.—3 cock; 5 cockerel; 5 pullet; 4 pen.
- Henry L. Brunner, Newton, Kan.—4 cock; 4 cockerel; 4 hen; 3 pen.

White Wyandottes.

- N. Kornhaus, Peabody, Kan.—2 cockerel; 1, 2, 4, 5 pullet; 1 pen.
- Ginette & Ginette, Florence, Kan.—2 cock; 1, 4 cockerel; 1, 3, 5 hen; 2 pen.
- M. K. Wright, Wellington, Kan.—5 cockerel; 5 pen.
- J. D. McMahon, Topeka, Kan.—3 pullet.

- Theo. B. Young, Wichita, Kan.—1 cock; 3 cockerel; 2, 4 hen; 3, 4 pen.

Buff Wyandottes.

- W. A. Forbes, Topeka, Kan.—5 cock; 5 hen; 3 pen.
- H. J. Freeman, Wichita, Kan.—2 cock; 2, 3, 4 cockerel; 1 hen; 2, 3, 5 pullet; 2 pen.
- D. D. Colglazier, Hutchinson, Kan.—1, 3, 4 cock; 1 cockerel; 2, 3, 4 hen; 1, 4 pullet; 1 pen.

Partridge Wyandottes.

- S. S. Jackson, Scranton, Kan.—1 cock; 1, 2, 3, 4 hen; 1 pen.
- C. J. Page, Salina, Kan.—1, 2 cockerel; 1, 2, 3, 4, 5 pullet; 2 pen.

Columbian Wyandottes.

- W. S. Holden, Douglass, Kan.—3, 5 hen; 1, 4 pullet.
- H. A. Wattles, Wichita, Kan.—1 cock; 1, 2, 3, 4, 5 cockerel; 1, 2, 4 hen; 2, 3, 5 pullet; 1, 2 pen.

Single Comb Rhode Island Reds.

- D. M. Deen, Wichita, Kan.—5 cock; 4 cockerel.
- A. L. Friesz, Brunswick, Mo.—3 cock; 4 pullet; 2 pen.
- W. R. Munroe, Florence, Kan.—4 hen; 1, 5 pullet; 5 pen.

- R. B. Steele, Topeka, Kan.—4 cock.
- Charles Cerf, Wichita, Kan.—3 hen.
- J. E. Howard, Wichita, Kan.—2 cock; 2, 5 hen; 4 pen.

- Mrs. V. L. Moore, Wichita, Kan.—1 cock; 3 cockerel; 1 hen; 2, 3 pullet; 1, 3 pen.
- A. M. Butler, Wichita, Kan.—1, 2, 5 cockerel.

Rose Comb Rhode Island Reds.

- Mrs. N. R. Ranck, Niota, Ill.—1 cock; 1, 2 cockerel; 1 hen; 1, 3 pullet; 1 pen.
- W. R. Munroe, Florence, Kan.—3 hen; 4 pullet; 3 pen.
- O. C. Emery, Wichita, Kan.—4 hen.

- A. M. Butler, Wichita, Kan.—3, 4, 5 cockerel; 2 hen; 2, 5 pullet; 2 pen.
- L. Shamleffer, Douglass, Kan.—2 cock; 4 pen.
- A. D. Willems, Minneola, Kan.—5 pen.

Rose Comb Barred Rocks.

- G. W. Lightner, St. John, Kan.—1 cock; 1 hen.
- S. C. Barred Rocks.
- C. C. Lindamood, Walton, Kan.—5 cock; 2, 4 cockerel; 2, 3, 5 hen; 3 pullet; 1, 3 pen.

- D. F. Drinkwater, Cedar Point, Kan.—1 cock; 2 pullet.
- E. Lacey, Wellington, Kan.—4 cock.
- J. B. Roe, Shawnee, Okla.—2d cock, 1, 3, 5 cockerel; 4 pullet; 2 pen.
- Stella Pringle, Wichita, Kan.—3 cock.
- J. R. White, Salina, Kan.—4 hen; 5 pen.
- Leon Moorehouse, Spearville, Kan.—1 hen; 1 pullet; 4 pen.

MEDITERRANEAN CLASS.

Single Comb Brown Leghorns.

- Dr. H. B. Adair, Kansas City, Mo.—1 cock; 4 pen.
- E. Goodell, Salina, Kan.—1, 5 cockerel; 1, 2, 3, 5 pullet; 1 pen.
- H. P. Swrdfefer, Wichita, Kan.—2 cock; 2, 3 cockerel; 1, 2, 3, 4, 5 hen; 4 pullet; 2, 3 pen.

Rose Comb Brown Leghorns.

- Leon Moorehouse, Spearville, Kan.—1 cockerel; 1 hen; 1, 2, 3 pullet.
- Single Comb White Leghorns.
- R. B. Lostutter, Ashland, Kan.—3, 5 cockerel; 3, 5 pullet; 3 pen.
- Mrs. M. Kettering, Wichita, Kan.—1, 2, 4 cockerel; 1, 2, 3, 4 hen; 1, 2, 4 pullet.
- Single Comb Buff Leghorns.
- J. E. Howard, Wichita, Kan.—1 cockerel; 1, 2, 3, 4, 5 pullet; 1 pen.

ASIATIC CLASS.

Light Brahmans.

- Mrs. J. R. Kenworthy, Wichita, Kan.—1 cock; 1, 2, 4 cockerel; 1, 2, 4, 5 hen; 5 pullet; 1 pen.
- R. H. Morgan, Wichita, Kan.—3 hen.
- Leon Moorehouse, Spearville, Kan.—2 cock; 3 cockerel; 1, 2, 3, 4 pullet; 2 pen.

Black Langshans.

- D. F. Drinkwater, Cedar Point, Kan.—5 pullet.
- Mrs. Martha Haynes, Grantville, Kan.—1, 2, 3 cockerel.
- John Shank, New Cambria, Kan.—5 cockerel; 1, 2 hen; 2, 4 pullet; 2 pen.
- Leon Moorehouse, Spearville, Kan.—4 cockerel; 1, 3 pullet; 1 pen.

MISCELLANEOUS CLASSES.

Silver Spangled Hamburgs.

- W. S. Binkley, Clay Center, Kan.—1 cockerel; 1, 2, 3 hen; 1 pullet; 1 pen.
- Single Comb White Orpingtons.
- Miss Bertha Noyes, Wichita, Kan.—3 cockerel.
- George Bowers, Fairview, Okla.—2 cockerel.
- J. L. Vernon, Wichita, Kan.—2 cock; 1 cockerel; 4, 5 hen; 2 pen.
- Arthur O. Haury, Newton, Kan.—1 cock; 4, 5 cockerel; 1, 2, 3 hen; 2 pullet; 1, 3 pen.

J. C. Kaubmann, Towanda, Kan.—1, 3, 4, 5 pullet.
Single Comb Buff Orpingtons.
Sam McHarg, Wakita, Okla.—3 pen.
J. C. Kaubmann, Towanda, Kan.—1 pullet.
Miss Jennie Gerrard, Wichita, Kan.—1, 2, 3 cock; 1, 2, 3, 5 cockerel; 1, 2, 3, 5 hen; 1, 2, 3, 4 pullet; 1, 2 pen.
Andrew Humbarger, Salina, Kan.—4 cockerel; 4 hen; 4 pen.

Black Orpingtons.
J. C. Kaubmann, Towanda, Kan.—1 cock; 1 cockerel; 1, 2 hen.
Black Tailed Japanese Bantams.
H. W. Chestnut, Centralia, Kan.—1 cock; 1, 2, 3 hen; 1, 2 pullet; 1 pen.

Red Games.
J. A. Saltsam, Spearville, Kan.—1, 2 cockerel; 1, 2 hen; 1, 2, 3, 4, 5 pullet; 1 pen.

Dark Cornish Indian Games.
J. P. Bridges, Douglass, Kan.—1 cockerel; 1, 2, 3, 4, 5 hen; 1 pen.
Silver Seabright Bantams.
L. E. Ward, Wichita, Kan.—1 pullet.

Golden Seabright Bantams.
L. E. Ward, Wichita, Kan.—1 cock; 1 hen.
Buff Cochinchina Bantams.
L. E. Ward, Wichita, Kan.—1 cockerel; 1 pullet.

Bronze Turkeys.
Mrs. Philip Spohn, Inman, Kan.—1 cockerel; 2 hen; 3 pullet; 1 pen.
G. W. Perkins, Newton, Kan.—3 cock; 4 cockerel; 1, 3 hen; 5 pullet; 3, 4 pen.

L. Moorehouse, Spearville, Kan.—1 cock; 5 hen; 2 pen.
I. P. Kohl, Valley Center, Kan.—2 cock; 2, 3 cockerel; 4 hen; 2, 4 pullet.

White Holland Turkeys.
Stella Pringle, Wichita, Kan.—1 cockerel; 1 pullet.
White Pekin Ducks.
M. F. Sims, Wichita, Kan.—1, 2 cock; 3, 5 hen; 1 pullet.

J. T. Welch, Whitewater, Kan.—3 cock; 1 hen.
L. Moorehouse, Spearville, Kan.—4 cockerel; 3, 5 pullet; 1 pen.

A. J. Saltsam, Spearville, Kan.—5 cock; 2, 4 hen; 2, 4 pullet; 2 pen.
Indian Runner Ducks.
R. J. Shirk, Ramona, Kan.—1, 2 cock; 1 cockerel; 1, 2, 3 pullet.

Rouen Ducks.
L. Moorehouse, Spearville, Kan.—1 cock; 1, 2, 3 hen; 1, 2, 3 pullet.
White Indian Runner Ducks.
M. F. Sims, Wichita, Kan.—1 cock; 1 hen.

Muscovy Ducks.
Leon Moorehouse, Spearville, Kan.—1 cock; 2, 4 hen; 1, 3 pullet.
T. M. Barger, Spearville, Kan.—2 cock; 1 cockerel; 1, 3, 5 hen; 2, 4, 5 pullet; 1, 2 pen.

Toulouse Geese.
T. M. Barger, Spearville, Kan.—1 cock; 1 hen; 1 pullet; 1 pen.
Emden Geese.
T. M. Barger, Spearville, Kan.—1 cock; 1 hen; 1 pullet; 1 pen.

Sweepstakes for best display in American Class—H. A. Wattles, Wichita.
Sweepstakes for best display in Asiatic Class—Leon Moorehouse, Spearville.
Sweepstakes for best display in Mediterranean Class—Mrs. H. P. Swerdfeiger, Wichita.

Special for best display of Barred P. Rocks—C. C. Lindamood, Walton, Kan.
Special for best display in White P. Rocks—G. R. Davis, Valley Center.
Special for best display of Buff P. Rocks—A. J. Waddell, Wichita.

Special for best display of White Wyandottes—Theo. B. Young, Wichita.
Special for best display of Silver Wyandottes—L. P. Hubbard, Topeka.
Special for best display of S. C. Brown Leghorns—Mrs. H. P. Swerdfeiger, Wichita.

Special for best display of S. C. R. Reds—A. L. Friesz, Brunswick, Mo.
Special for best display of R. C. R. Reds—A. M. Butler, Wichita.
Special for highest scoring pen in show room—E. C. Goodall, Salina.

Special for best display of Buff Orpingtons—Miss Jennie Gerrard, Wichita.
Special on best display of incubators and brooders—Ross Bros., Wichita.
Special for best display of poultry supplies—Central Seed Co., Wichita.
Special for best shipping coop—D. A. Stoner, Wichita.

Silver cup for best display of Buff Orpingtons—Miss Jennie Gerrard, Wichita.
Kansas Branch A. P. A. cup for best display of K. I. Reds—Mrs. V. L. Moore, Wichita.

Silver cup Kansas Branch R. I. Red Club for best display of R. C. R. I. Reds—A. M. Butler, Wichita.
Special cup Kansas Branch R. I. Red Club, for best display S. C. R. I. Reds—Mrs. V. L. Moore, Wichita.

Faint heart ne'er won fair lady. Maybe she was a brunette.

It is the shopping microbe which causes a woman to mark her 5 o'clock tea down to 4:58.

Actions speak louder than words. The well kept cow puts her thanks in the milk pail.

Why Pay More
125 Egg Incubator
125 Chick Brooder
If you could see the Wisconsin side by side with others selling for \$4.00 and \$5.00 more, you would agree with me that to pay more than my price and get less value is the height of folly.
If Ordered Together Both for **\$10** Freight Paid East of the Rockies

Why My Sales Double Every Year
There is a lot of people who have learned the truth of my statements. They have saved those extra dollars and each year this number is increasing. Each year my sales are doubling and this enables me to improve my machines—give better value for the same money. I won't raise the price—though in comparison with others, I know they are easily worth \$15.00. I want to give the biggest and best incubator and brooder bargain on the market and I am doing it. There is none on the market that approaches them even at 1/4 more cost and I'll prove it to you.
20,000 Machines in One Year
That's the high watermark and nothing but genuine merit can ever make it possible. Then to double it—certainly it requires the very best at the lowest cost to climb into public favor at such a rate. But that is what increases the sales of the Wisconsin Incubators and Brooders.
Every machine I sell through my advertising sells me an average of four more and each of those they give my customers and the bargain price I make of \$10.00 for two machines, freight paid. I ship them on 30 Days' Trial.

You have ample time to test them out and if not completely satisfied you can send them back at my expense. Out of the thousands I ship every year if I told you how many ever come back I doubt if you would believe me.



Natural Finish California Redwood
four sell an average of two, making an endless chain of sales—all because of the excellent results they give my customers and the bargain price I make of \$10.00 for two machines, freight paid.

What Users Say

Wisconsin Incubator Co., Racine, Wis. Dardanella, Ark.
Dear Sir:—You have the best incubator on the market, regardless of price, and I am perfectly satisfied with the one purchased from you. Out of four hatches I got 960 chicks. The Wisconsin requires less attention and burns less oil than any other incubator I have ever used and the regulator is perfect. By following the book of valuable instructions anybody can have good luck and it does not take an experienced person to run a Wisconsin. Any child that can read can run your incubator. I am going to get another right away.
JESS O. ADNEY, P.O. Box 185

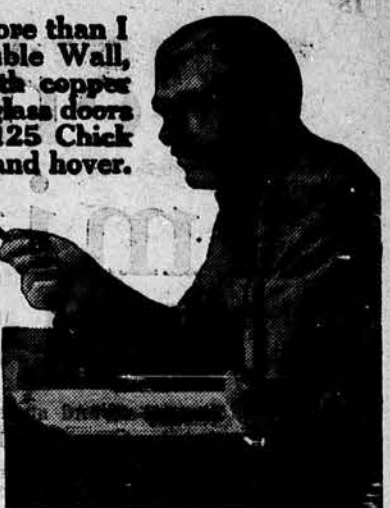
Wisconsin Incubator Co., Racine, Wis. Grass Lake, Mich.
Dear Sir:—I do not think there is a better machine on earth than your incubator. I have taken out four hatches and I got a 100 per cent hatch the first three times and a 98 per cent hatch the fourth time. From the first three hatches I got 115 chicks from 115 eggs, 105 chicks from 105 eggs and 109 chicks from 109 eggs. No incubator on earth can beat that. I will stand by this statement as I can prove it.
A. JESSUP, R. No. 3

Wisconsin Incubator Co., Racine, Wis. Blanchester, Ohio
Gentlemen:—I am well pleased with the way your incubator works. I think that chick nursery underneath your egg tray is all right as you do not have to take the chicks out until they are all hatched and they come downstairs like the children in the morning. I set the incubator three times and got 345 chicks and the best part of it is that they are all running around our yard today and the first two hatches are full grown.
F. FERREL

Wisconsin Incubator Co., Racine, Wis. Ripley, Tenn.
Gentlemen:—The Wisconsin Incubator I purchased of you has proven more than satisfactory in every respect. I have had most excellent hatches with it. From my first hatch I got 98 chicks from 110 eggs. I am very glad indeed that I purchased a Wisconsin Incubator and brooder, for \$10.00. Instead of the higher priced machines, which I feel sure could give no better results. I have just taken off another hatch and wish you could see them. They are beautiful.
M. A. GILLESPIE

Wisconsin Incubator Co., Racine, Wis. Pimento, Ind.
Gentlemen:—We had fine results with your incubator. We set it four times and it hatched 90 per cent each time. There are several different makes of machines in this locality but the Wisconsin easily beats them in every way. The brooder is everything that is claimed for it and the two together make a complete outfit for a chicken raiser, and I recommend them to be the best on the market regardless of price.
HARRY THOMPSON

Why I Can Sell Better Machines at One-Third Less Cost Than Others
I was the first to make and sell an incubator and brooder for \$10.00, freight paid. It was two years before my imitators got busy. I had a good start on them and they are farther behind today than ever.
It takes experience (more so than money) to know how to produce a successful incubator and sell it at my price. That's why the imitations cost more and are of inferior value. You want the original—the best and one of longest proved reputation. Then don't be misled—get the Wisconsin. You take no chances, for
I Guarantee My Machines for Five Years
Just think of it. Does it not stand to reason that I must have machines of exceptional merit to put them out on 30 days trial—guarantee them five years and sell them for about \$5.00 less than others charge for machines of less quality?
The Wisconsin incubator is hot water type, has double side walls with dead air space between; top has three walls; large double glass doors; copper tank and boiler; roomy nursery beneath egg tray; self-regulating; made of high grade California Redwood, stained and varnished so you can see quality of lumber (not painted to cover up cheap timber), turned legs, completing a machine that has no equal at anywhere near the price.
The brooder is a roomy, well made, properly heated and ventilated machine. Fitted with hover, oil lamp and wire scratching yard as illustrated. Both machines complete—ready to use with Taylor "Tycoos" thermometers, O.K. burners, galvanized lamps. Egg tester—everything but the oil.
If you don't wish to order direct from this advertisement—don't buy until you send for my 1911 Free Catalog. Write for a copy today.



This illustration shows the double walls, dead air space construction of our machines.

Proof in a Nutshell

Here are a few comparisons of "proofs" that will help you to avoid making a mistake in deciding which machine to buy:
1st The Wisconsin has double walls with dead air space, a decided advantage. Some have no dead air space.
2nd Egg chamber in the Wisconsin is fully ten inches deep. Some, to cheapen cost of making are scant 8 inches deep.
3rd This makes the nursery less than 2 inches and too shallow for little chicks. In the Wisconsin the nursery is 3 inches deep.
4th In the Wisconsin there is plenty room between the egg tray and the door for the chicks to get in the nursery. In some incubators you have to open the door in order to put the chicks in the nursery.
5th The Wisconsin has large double glass doors through which the thermometer can be easily read. Some have a small single glass, making it necessary to open the door to read thermometer.
6th Workmanship and material in the Wisconsin show decidedly of better grade—machine is larger, better finished—superior in every way and sells for less money. If you will make these comparisons—weigh them well, I know you will order my machines and be better pleased for these are cold facts which actual comparisons have proved.

More Users' Letters

Wisconsin Incubator Co., Racine, Wis. Elkader, Iowa
Dear Sir:—I am pleased to say that your Wisconsin Incubator is a success. I placed 125 eggs in it and hatched 110 chicks. This can be done by any one who takes an interest in the business. The three brooders I bought of you are just the things to raise the chicks with. The instructions with your machines are very easy to follow and the eggs are turned easier in your machine than in many high priced machines. I give my machines no attention during the night as many of my neighbors do with inferior makes.
ELMER PEAKE

Wisconsin Incubator Co., Racine, Wis. Odessa, Mo.
Gentlemen:—It pleases me greatly to be able to say that your incubator is a success. We have seen several incubators in operation and none have equalled the Wisconsin. Through six hatches last spring we never averaged less than 90 per cent. We also had excellent results with turkey and duck eggs. By closely following your directions your machine has brought us success. We were also pleased to find the material and construction exactly as represented.
H. S. REDDICK

Wisconsin Incubator Co., Racine, Wis. Vickery, Ohio
Dear Sir:—I am well pleased with your incubator. After I had taken off one hatch, I could have sold it to several of my neighbors but I did not want to sell it. With the first hatch I got 97 chicks from 100 eggs and the eggs are turned easier in your machine than in many high priced machines. I give my machines no attention during the night as many of my neighbors do with inferior makes.
MARY M. STULL

Wisconsin Incubator Co., Racine, Wis. Friendship, Wis.
Dear Sir:—I had good success with your 125 egg incubator. I took off three hatches. First hatch, 108 chicks; second hatch, 130 chicks and third hatch, 114 chicks. Your machines will hatch chicks if any of them will. It is very simple to operate as it almost takes care of itself. If I was to buy another machine it would be a Wisconsin, for I am perfectly satisfied with the work it did for me.
M. C. SMITH

Wisconsin Incubator Co., Racine, Wis. Edwards, Ind.
Gentlemen:—The incubator and brooder I purchased from you cannot be surpassed for doing the work. I had no experience in operating an incubator, but was according to instructions and it hatched every fertile egg and brought out fine, strong, vigorous chicks. No machine, no matter what the price, can do better than that. If anyone wants a fancy priced machine, they are on the market, but they can do no better work than the Wisconsin, and many of them do not do so good. Could name a few in my neighborhood. Yours for the increased popularity of the Wisconsin.
J. A. HOBERTZ

Wisconsin Incubator Co., Box 139, Racine, Wis., Thos. J. Collier, Mgr.

ALFALFA CLOVER SEED

Northern grown. "Full of Life," tests 94% purity, 85% germination. Write for samples and prices and New Beautifully Illustrated Catalog which tells about the best varieties of "Full of Life" Seeds, Plants, Bulbs, Shrubs, etc.
H. W. BUCKBEE, Rockford Seed Farms, R. F. D. 47 ROCKFORD, ILLINOIS

Rubber Roofing
ANYBODY CAN LAY IT.
Warranted For Twenty-Five Years.
FREIGHT PAID In Any State East of Rocky Mountain, except Texas, Colorado, New Mexico, N. Dakota, S. Dakota, Wyoming, Montana. 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. 309 East St. Louis, Ills.

Genuine and Imitation CREAM SEPARATORS

The all-around superiority of the DE LAVAL Cream Separators, in farm as well as factory sizes, has now become so generally recognized that would-be competitors have, almost without exception, adopted the pre-



text of merely claiming that the machines they offer are "like the DE LAVAL," or "as good as the DE LAVAL," while some even go so far as to claim that their machines are made under a patent license from the DE LAVAL Company.

All of these claims and pretenses are false and a fraud upon the buyers of such machines, except to the extent that each and everyone of these would-be DE LAVAL imitators is using some ten to twenty year old patent expired and now abandoned type of DE LAVAL construction, though lacking all the essential elements of the improved DE LAVAL machines of today, or for that matter the DE LAVAL machines of the past five years, while none of them do or can use the still patent protected "split-wing" distributing shaft feature of all DE LAVAL machines since 1900.

Buyers of separators are cautioned against such deceptive misrepresentations by those who may try to induce them to purchase machines claimed to be similar to the DE LAVAL, but which in no way compare in efficiency, capacity or general practicability with the DE LAVAL machines of TODAY.

DE LAVAL Cream Separators are as much in advance of all attempted competition today as at any past time, and their use is speedily becoming as universal on the farm as it has long since been in the larger sizes in creameries and milk stations the world over.

THE DE LAVAL SEPARATOR COMPANY

165-167 Broadway
NEW YORK

173-177 William Street
MONTREAL

42 E. Madison Street
CHICAGO

14 and 16 Broadway Street
WASHINGTON

Drumm and Sacramento Sts.
SAN FRANCISCO

1016 Western Avenue
SEATTLE

Warranted For Three Years.

Only \$29.50

Catalogue FREE. Buys this three-year-guaranteed Buggy, Surries, \$45.00 up. Two-Horse Farm Wagons, \$50.00.

You save the wholesaler's and retailer's profit. MUTUAL vehicles warranted for three years. Satisfaction guaranteed or money refunded.

WRITE FOR CATALOGUE.

MUTUAL CARRIAGE & HARNESS MFG. CO., Dept. 116 East St. Louis, Ill.

SAVE MONEY on HARNESS

BUY DIRECT AND SAVE DEALER'S PROFITS.

Special Halter Bargain Pure oak-tanned Russet leather; all parts 1 1/2 inches wide, extra heavy stock, 5 or 6 rings. All heavily riveted with coppered tubular rivets. Over 5000 sold to retail dealers in Kansas and Oklahoma in 1910. Guaranteed equal to any \$1.50 halter on the market. Our special price..... **\$1.00 Each**

\$11.00 PER DOZEN.

Satisfaction or your money back. Get your neighbors to club together and buy a dozen. We save you money on everything in the harness line. Write for complete catalog of Harness and Saddlery. We send it free. Simply send us your name on a postal card and say "Catalog." It will surely save you money.

INSKEEP & SCHAUBEL, Manhattan, Kan.

L. M. PENWELL
Funeral Director and
Licensed Embalmer
511 QUINCY ST., TOPEKA, KAN.

BEEKEEPING its pleasures and profits, is the theme of that excellent and handsomely illustrated magazine, GLEANINGS IN BEE CULTURE. We send it for six months on trial for 25 cents, and also send free a 64-page book on bees and our bee supply catalog to all who name this paper. THE A. L. ROOT CO., Box 62, Medina, Ohio.

When writing advertisers please mention Kansas Farmer.

DAIRY



Kansas Improved Stock Breeders Association Officers.

The officers elected at the recent meeting of the Kansas Improved Stock Breeders Association were as follows: President James Mains, Oskaloosa; vice president, Geo. B. Ross, Alden; secretary-treasurer, I. D. Graham, Topeka. Directors: T. H. Terry, Bavaria; M. A. Smith, Cawker City; H. W. McAfee, Topeka; J. G. Haney, Oswego, and C. S. Nevius, Chile.

The modern dairy cow is a man made machine of wonderfully delicate parts. Like other machines she will do some work with only indifferent care but, also like other machines, she will do excellent work with good care. Being more delicate than a machine of iron or steel she is more easily thrown out of working order by lack of care. If you study this wonderful money making machine you will find that the whole matter of making her do her best is embodied in the one word, comfort.

After all the old Durham was a pretty good cow to own. She gave a good flow of rich milk and her steer calf made a splendid beef animal. In England and many parts of this country she does these things yet though the modern Shorthorn has been bred very strongly along beef lines and away from the milking habit for generations. There are very many herds of milking Shorthorns yet, however, and breeders are giving more attention to this quality as the years go by. One Minnesota herd reports an average of 6,475 pounds of milk and 313 pounds of butter-fat per cow for 31 head. This was a cash yield of \$69.72 per cow for the butter-fat alone with the calves, the skim-milk and the manure as extra profit. The steer calves sold higher than those of any other breed or from any other herd in their part of the state. Sounds like the Shorthorn had dairy possibilities.

Dairy Farming.

We will assume that the object of any given enterprise is either pleasure or profit. So it is with dairy farming. Take the average dairy herds as we find them in Kansas and you will find them to average about 3,000 pounds of milk and 135 pounds of butter per year. This is largely so from the fact that they do not receive the care they should have. To start with, a cow must have what is called a "maintenance ration," that is, enough feed given to live from aside from giving milk; then after that, all the feed that she will turn to milk or butter-fat economically.

The original object of the cow was to reproduce her kind, and give milk to suckle her calf for a few months;

but by selection and feed, she may be made to give milk nearly all the year. But don't forget, we are working with a machine, one that will convert feed into beef or milk and butter-fat and we can not expect the best bred cow to give much milk from Kansas air alone, good and pure as that is, because it is not a balanced ration.

I have in mind a man who had some well bred dairy heifers come fresh and who complained because they only gave about 1 gallon milk per milking. He did not feed enough. Other men are making more than that out of the beef breeds, because they give them better care.

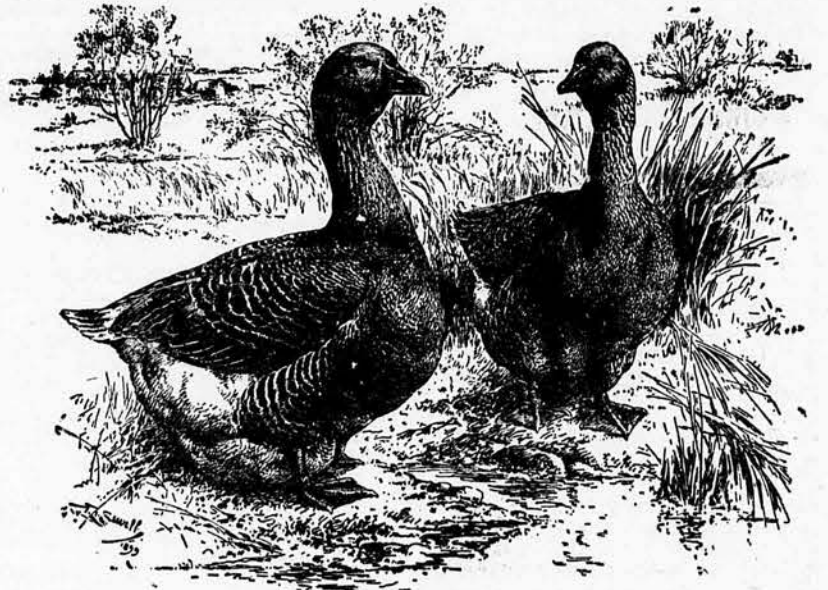
The dairy farmer will be a success or a failure because he works with nature, or against it. The first law of nature is self preservation, or in other words, give me something to eat and I will give you in beef or milk just what I can spare. Again, a cow may be fed so as to lay on fat and yet not give much milk because she may not be given the right kind of feed. The part usually lacking in feed is that part called protein or flesh and milk forming food. This part can be cheaply supplied with home grown alfalfa.

Since the advent of the silo, we can supply a succulent feed in the winter as well as in the summer. In feeding silage, there should be more protection given from the cold than if only dry feeds are given, as ensilage is a laxative and consequently also opens the pores of the skin; but since a cow must be kept warm and comfortable, or in other words like the colored woman said, "give down gladness before she will give down much milk," and she cannot be glad very easy on the warm side of a wire fence on a stormy day.

Kindness is invaluable in dairying and pays big dividends. Confirmed kickers have been cured by kindness and made by the lack of it.

The best way I know of to select a good cow is by the scales and tester. We may think that weighing the milk does not make her give any more milk, which is true, but it does enable us to know what she does do, and often shows us why she does not do better. For instance, what will be the effect on the cow when she does not get enough water, or when the dog chases her, or to have her clubbed, or have her exposed to the cold rain or snow? and how long will it be until she gets back in her yield? Perhaps three weeks or perhaps not until she freshens again. Well, these things ought not to be done. It will also show us what the effect is of not letting a cow go dry before calving.

Another way of selecting cows is by conformation. It is possible by careful study, reading and observation to be able to go into the herd of the av-



QUICK GROWERS, GOOD LAYERS, WITH DELICIOUS MEAT. THESE CAN BE PROFITABLY RAISED ON MOST FARMS.



UMC
BIG GAME CARTRIDGES

The dead-sure fire and one-ton-killing-power of UMC cartridges breed that assurance of eye and hand and brain that makes the "one shot kill" habitual with big game shooters.

UMC 100% certainty of results is the same with any standard rifle—because the characteristics of all rifles are provided for in UMC cartridges.

The UMC standard is more than ever the goal of the ammunition world.

"Game Laws 1910" Mailed Free.

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Agency: 299 Broadway, New York City



Buy the Best

The Des Moines Silo makes it possible to double the pasture land by cutting out the hay land.

No Silo on the market has as many practical and exclusive features as the Des Moines.

Such improvements as the Patent Bevel Door and Bevel Frames and Patent Hoop Springs, to prevent swelling and shrinking, introduced for the first time by us last season, are still exclusive features of the 1911 Des Moines Silo.

In addition, we have completed several more improvements, that can be had only with our Silo. The most important is the Patent Roof which allows the Silo to be filled to its capacity. Our new roof opens at the top while being filled and allows you to pile four feet of ensilage above the Silo. When the ensilage settles the Silo is full to the top and the roof closes absolutely tight.

OUR SILO BOOK FREE

Write for this book, which gives complete information. No man who intends to buy a Silo should fail to investigate the Des Moines. It has advantages that are indispensable to Silo users.

Des Moines Silo & Mfg. Co.
117 5th St. Des Moines, Iowa.

14 CENTS A ROD FOR A 24-INCH HOG FENCE
Send for Catalog Showing Many Styles All Sold on Trial
The Ottawa Mfg. Co., Ottawa, Ks

BROWN FENCE
Rust Proof - Bull Strong
Fences for horses, cattle, sheep, hogs, chickens, etc. 160 styles.
BARGAIN PRICES:
14 Cents Per Rod Up.
We pay the freight. Lawn Fences and Gates. Free catalog and sample.
The Brown Fence & Wire Co.,
DEPT. 99 CLEVELAND, OHIO

erage farmer and pick out his best cow, better than he can, but this is not a come-by-chance, it takes application and hard study. You have all, no doubt, heard about the milk veins, milk wells, wedge shaped body, thin, ewe-shaped neck, cat hams, etc. These all have their place as signs but they are only signs. The best proof is, after all, the doing of it. I have a cow that gave in one year over 13,000 pounds milk and I have never been able to find more than one small opening on each side where the milk well usually is. Another good reason for weighing the milk is that you know just what she is worth to you, and if any one wants to buy, he will probably pay more if you can tell him how many pounds of milk she has given you. Another important matter, is the herd header. Some one has said it takes a long while to grade up a herd with a good herd bull, but you can grade it down with a poor one very quickly. Some one else said a good bull is half the herd, but a poor one is nearly all of it. Here is where another law of nature comes in.

A good dairy herd is not a come-by-chance but is the result of some laws obeyed, one of which is that "like begets like." Now this does not mean that the nearest sire and dam have the whole influence for if that were the case, a grade cow giving 13,000 pounds milk would be just as good for breeding purposes as a pure bred, when in fact she is not because of a tendency to breed back. When we breed a Shorthorn or grade cow to an Angus bull why do we expect to get a certain per cent of the calves without horns? Why are not all of them without horns? Because both the sire and the dam and their ancestry have an influence on the breeding. If it were not for this we would not need pedigrees. They are only a guarantee of breeding outside of that they have no value. Another point that is necessary in the sire is prepotency or the power to stamp his good quality in his offspring. This is indicated first by his bearing, action, and his masculine build; second, by his get.

I believe by judicious feeding we can get at least one-third as much for the skim-milk as for the butter-fat. By careful feeding I mean. Do not try to raise anything on milk alone. Calves should have about 4 or 5 pounds whole milk twice a day until they are three weeks old and then skim-milk should be gradually substituted, and some corn or chop given. They should be fed in stanchions fastened so they cannot suck each other, given their milk then given their grain. By the time they have eaten their grain they will forget that they ever wanted to suck. They should be given all the water they want to drink. It is a mistake to think that because they get milk they need no water.

The milk for young calves should always be fed warm and the pails should never be allowed to become sour; because cold or sour milk sickens calves. If we see any of our calves get the scours we cut down their allowance. If it is very bad we give only a pound of milk twice a day. By this method they nearly always recover if taken in time.

Three years ago we started feeding a pair of weaning colts and by the time they were 13 months old one of them weighed over 1,000 pounds. They seemed to do better on skim-milk than they did on the dam. After the calves and colts have all they want we give the balance to the hogs. Some one has said if we feed 5 pounds of corn to one pound of sweet skim-milk, 100 pounds milk is worth a bushel of corn. Our trouble every spring has been that after the calves go to pasture to have enough hogs to properly consume the skim-milk.

Another of the by-products is the manure and one beauty of it is the better we tend our cows and bed the corral the more manure we will have, and so make our land better instead of poorer. When we sell 1 ton of wheat we sell about \$15 worth of fertility. When we sell 1 ton of corn we sell about \$10 worth of our farm fertility, and when we sell 1 ton of butter-fat we sell concentrated sunshine, and the beauty of it is the more of it we sell, the more sunshine we and our families have to keep.

Another point I want to bring out is "the man behind the cow." His character or reputation, not the least of the assets of the farm dairyman, is

honesty. Some one in giving advice to another on buying cows said, "find an honest man then buy some cows from him." I would give \$10 more to an honest man for a cow than I would to a tricky or dishonest man. In fact I would not buy from a dishonest man at all if I could help it, and this is not sentiment either. It is business as I view it.

Dairy farming seems to be a chain each link of which is as follows: Better feed, better cows, more milk, better calves, better hogs, better horses, richer farm land, and more contented families.

It is very important to give attention to details. A man may have spent much money to build warm and comfortable stables, properly ventilated, and try to keep his stock warm and then thoughtlessly turn his cows out into the stalk field on a stormy day and so lose all he would otherwise have gained.

Now in conclusion allow me to borrow a few lines from the report of the Kansas State Board of Agriculture:

"Give to the lovely steed his equine grace,
Give to the farmer large regard for toil,
Render to the milkman all honor due his place,
But bear in mind, the cow is mistress of the soil."

SAVE YOUR HORSES

HITCH them to a Disc Harrow that won't worry the life out of them with a pounding tongue. I want to send you a Monmouth Tongueless Disc Harrow to try on your land free, for 30 days, and I'll even pay the freight. The

MONMOUTH TONGUELESS

has absolutely No Neck Weight, No Side Draft; and it turns around as easy as a Plow. It has Adjustable Scrapers, Hard Maple Bearings, Long Oil Tubes, Weight Boxes and Double Levers. Transport Trucks for going on road, if you want them. Let me quote you our low factory price, direct to you and send complete Catalog of Harrows, Plows, Cultivators, Grain Drills, etc. Send me your name and address today. The Plow Man, with Monmouth Plow Factory, 122 South Main Street, Monmouth, Ill.

30 Days' Free Trial

Freight Prepaid

Book Free

groceries and separators

Mr. _____ of West 71st Street, New York City, sends us frequent orders for groceries, although there are thousands of grocery stores in his home town. Why does he do it? First, because he knows he will get good groceries; second, because he saves money.

We offer you the same proposition in a cream separator—a good machine that will make money for you—at a price that means a saving of half or more. Send for our Economy Chief Dairy Guide for 1911. Prices \$27.90 and up.

Sears, Roebuck and Co.
Chicago, Illinois

The 1911 United States Separator
A MARVEL OF EASY RUNNING

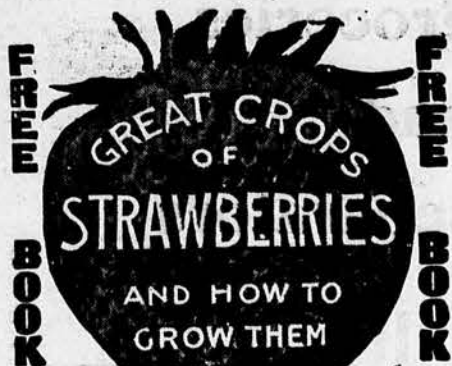
There have been tremendous advances in the running qualities of the United States Cream Separators. **The skimming power is there.** The same that won the world's record in fifty consecutive tests extending over a period of thirty days with the milk of ten different breeds of cows. .0138 of one per cent.

BUT—with the new Interlocking skimming device, the centrifugal action on the milk is so **intensified**, the course along which the milk is forced so **lengthened**, the skimming force so **increased**, that the Interlocking bowl for any given capacity is reduced nearly **one-half** and runs with about **half** the **power** required for older models.

Now add to this great improvement the fact that the United States Separator is the only successful separator that distributes the incoming volume of the whole milk **evenly outside the cream zone**, thus preventing any remixing of cream and skimmilk, and you will see why it is that the Interlocking Style U. S. Separator is gradually displacing every other separator on the market.

A free demonstration will be given by selling agents who are located in nearly all dairy sections of the country. Ask for catalogue 91 today and we will give you agent's name.

VERMONT FARM MACHINE CO., BELLOWS FALLS, VERMONT.



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Will Yield \$400 to \$800 per Acre
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 New Seed Oats. Big money in oats if you raise the right kind. Here's your chance to get them. Imported Canadian Seed Oats for sale; extra fine. Send for free sample. It speaks for itself. This same oat we sold last year in the United States and proved themselves our statement that the farmers need a change of seed in this country. We make a specialty of growing extra fine seed oats on our big Canadian farms, new, clean land, no weeds. Have best known varieties. Reasonable prices. Select want 1/2 bushels to acre this year; 1 bushel to acre. Both of these are big, early yields. We absolutely know from experience it will pay you to get a change of seed. Try some this year. The average yield of a bushel and run out. Canadian Government Grain Inspector passed this grain No. 1 White. Harvested straw, white berry, thin husk, enormous yield. It is as easy to put in and harvest a big crop as oat. The reason your oat crop is not bigger is because you need a new one. This has been proven. Look at this cut. Taken from photograph of two stalks from Galloway Brothers' field, over 600 acres to the stalk. Write early for free sample, or send ten cents for a bushel of one or both kinds. Will also send you free booklet entitled "Big Money in Oats and How to Grow Them," by Galloway Bros. and Prof. M. L. Bowman, former professor of farm crops Iowa Agricultural College. Information in this booklet applies to the 142,000 acres of best seed patch on your high-priced land this year. The booklet is yours.
GALLOWAY BROS.-BOWMAN CO.,
 282 Galloway Station, Waterloo, Iowa.

Guineas Devour Many Bugs.
 Some people object to the noise which guineas make and their wild nature, but as summer egg-layers, guinea hens are hard to beat.
 We have three guinea hens and a cock that have the range of the fields, and they are the best insect destroyers that we can have on the farm. They have a better reputation with us as insect destroyers than the thieving crow which some writers commend so highly for the bugs and worms they eat, and they also pay a handsome profit in eggs for any grain they may eat.
 The guinea hens lay an egg each day for several months at a time.
 We have a brood of young guineas that are growing nicely—they are a cross between the pearl and the white guinea, and are growing better than we ever got either full blood to do.
 I never liked the idea of crossing breeds, but a cross seems to increase the vitality of the guinea.
 Some have trouble finding the guinea nests, but our guineas have never gone far from the house to make their nests. Sometimes they lay in the hen nests in the poultry house.
 They range long distances from the house during the day in search of food, but come near the house to lay.—A. J. Legg.

Poultry Houses.
 That a good, substantial poultry house is a necessity in the poultry business goes without saying. But a good, warm poultry house is not as common a matter on the average poultry farm, as it ought to be. In fact, instead of being common, it is a scarce quantity on most farms, and the housing of poultry is lamentably poor. We had ocular evidence of this during the recent cold spell, when thousands upon thousands of fowls had their combs and wattles frozen through the inadequacy of their quarters to ward off the cold. The loss from the decreased number of eggs that the hens would have laid during the time they are recuperating from the effects of this freeze, would more than pay for the better housing facilities that they ought to have.

The styles and sizes of poultry houses are almost as numerous as the farms whereon they rest, and it is a hard matter to satisfy any great number of people with any particular style of house. Still the style and plan of a house is but a secondary matter, provided certain established principles are embodied in the house. A good poultry house should be warm, well lighted and well ventilated. Given these three requisites, fowls ought to do well in almost any style of house. Of late years the open front poultry house has gained great prominence among poultry breeders, and has advocates in every section of the country. Where it is substantially built of concrete foundation and a width of 16 feet it will answer in most any climate, though to be on the safe side, we would advise having a drop curtain for use on very cold nights. Personally, we like a poultry house with a passageway of two and a half or three feet in it, where one can go and look at his fowls at leisure, without going into their pen to disturb them. But that is a matter of preference for the individual breeder.

It is not necessary to build elaborate poultry houses, though if one's taste runs that way and his pocketbook can stand it, there can be no objection. But the three essentials mentioned should never be lost sight of in building any poultry house.
 In speaking to poultrymen lately concerning the effect of the cold snap on their fowls, we found that the men who had their fowls housed in small buildings escaped the damaging effects of the freeze, while those who had their fowls in large houses had their combs frozen. This is easily accounted for by the fact of the animal heat of the chickens in a small house being sufficient to ward off the serious effects of the cold weather, while the heat from the fowls in the large houses was insufficient to keep the temperature high enough to prevent their combs from freezing. Provided a man has plenty of ground room it would therefore be better to have several small houses than one large one. There are disadvantages in having several houses, for it entails more labor in feeding and in going from one house to another. But the advantages in having houses that are warm enough to prevent freezing and stop egg-laying would more than compensate for this difference. Besides fowls in small colonies are always healthier than those kept in large flocks. The cuts of poultry houses printed in

this number are offered as suggestions in the way of architecture, rather than as any particular style.

The Upward Trend of the Poultry Business.

Anyone who has followed the progress of the poultry industry during the past 20 years, must acknowledge that it has increased in wonderfully long strides.
 Twenty years ago there was comparatively little interest manifested in fancy poultry. The scrub chicken on the farm was the rule, and it was a very poor specimen of the feathered tribe. Now the scrub chicken on the farm is the exception, and the thoroughbreds and high grades the rule.
 Twenty years ago, in this state, the fancy poultry industry was in its infancy. There was but one exclusive poultry journal in several surrounding states. Poultry shows were few and far between, with one occasionally in the larger towns. Now the poultry journals are in evidence all over the land, with as great circulation and advertising patronage as the journals of any exclusive industry. And the town that has not a poultry show every year is a small one. All the great agricultural papers now run a department devoted exclusively to poultry, and run special editions yearly, devoting most of their space to poultry matters.
 Twenty years ago \$5 was a great big price to pay for a fancy chicken, and more were sold at a dollar apiece than at any other figure. Now prime specimens are sold at from \$25 to \$500 each. While fictitious values have been placed on certain specimens in the show room, ranging from \$1,000 to \$10,000, still several bona fide sales of fowls have recently been made at \$300, \$400 and \$500 dollars per pen of five birds. Of course, these are prime specimens of their variety, and still return to their purchaser full value in eggs and progeny for the fancy prices paid. First class specimens of any breed of fowls are always in demand and always salable at good figures. The poultry industry now ranks with the agricultural industries of the country, and there are very few that outrank it, for its aggregate value as estimated by the National Secretary of Agriculture is considerably more than half a billion dollars annually. Great poultry plants costing tens of thousands of dollars are in evidence around every great city in the Union, furnishing eggs and broilers in immense quantities every month in the year.
 The great meat packing concerns have taken up the poultry industry and are packing immense quantities of eggs and fowls every season. Incubator manufactories have risen up all over the country, and some of them turn out as many as 50,000 incubators and brooders in a season.

Purchasing agencies for buying poultry and eggs are established in every town of any size in the United States and the output is increasing every year, with no decrease in the demand.
 As noted above, the quality of the poultry on the farms has been greatly improved, and this can be attributed to the fancy poultry breeders of the nation, who have by poultry shows and conventions and individual endeavor tried to ingraft upon the farmer the desirability of eliminating his scrub chicken and substituting the pure bred fowl.

Money in Geese.
 That there is big money in raising geese is conceded by everyone who has had anything to do with the raising of them. They earn their own living by foraging in the pastures and meadows, and where great quantities of alfalfa is raised would be an ideal place for them.

It is a little odd that in this country, where every facility exists for the successful raising of geese, that so few of them exist. They are proverbially the most hardy and long-lived of all our poultry. In places where cholera and other diseases sweep off the fowls and turkeys, geese which are not subject to these diseases, should be tried. In densely populated Great Britain and even in Belgium, where one would suppose there was little room, more geese are raised to the square mile than in the whole United States.

There are several varieties of geese named in the Standard, viz.: the Toulouse, Embden, African and China geese. The Toulouse is undoubtedly the most popular variety, judging by the numbers raised. The Toulouse are brown and white in color, while the Embden are pure white. The Toulouse are the best layers, laying from 40 to 60 eggs in a season. The Standard weight for adult

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fowls are 18 to 20 pounds and 20 pounds for young birds. They very rarely exceed this size, but when they get so very large, they are not so desirable for market purposes.

Geese mate early in the season, generally in February, and if new stock is desired it should be bought early. One gander to two geese is the most popular mating and will insure a large per cent of fertile eggs.

Geese will undoubtedly prove more profitable than chickens or turkeys, considering the amount of the cost of feed and labor, for they do not require near so much care and attention as fowls and the feed is a small consideration, for their principal food is grass, weeds, clover, alfalfa and such.

Geese are easily raised after the first few days of careful watching. See that they don't get to dabbling in water, for strange as it may seem, dampness is very injurious to the young gosling. But after the tenth day a gosling is generally able to take care of itself.

Most people think a pond or creek is necessary for the successful raising of geese, but this is not absolutely necessary, though it would seem to be more natural for them to have a pond or creek to swim in. They must have plenty of pure water to drink and will grow and breed just as well without a swimming pool as with one.

While the principal food of the goose is grass, and needs hardly anything else during spring and summer, still it will eat any of the farmer's grains.

While the flesh of the turkey is considered a greater delicacy in this country than the flesh of the goose, still the taste for the latter is gaining ground yearly. There is no more savory a dish than a nice, young roast goose. The feathers from the geese, which are generally picked twice a year, amount to quite an income in a large flock, and are always salable at a high price.

Prominent breeders of geese claim that there is at least 100 per cent profit in them; more than twice as much as there is in raising hogs.

Hatching Chickens

The laying season is here and hatching time will find many of us unprepared. Many of us are worrying about the kind of incubator to buy, and many others are selling their old incubators because of a machine they heard or read about that hatches more and better chicks without care or attention than their's did. Remember, there is no "best" incubator; no machine with all the good points and none of the weak points; none are perfect, most of them are good, some are better, and you can make no mistake in choosing one that is doing good work in your community. And do not discard the old machine that has done fairly good work, and is still in good condition, to buy one that "hatches every egg;" the chances are you will do no better with it. Within the past week one woman told me she was discouraged because of her poor luck the past season, as she only averaged 125 chicks from 200 eggs. Some of her hens failed to hatch a chicken, but that was no discouragement; think of averaging nearly 10 chicks from 15 eggs.

Another woman declared it was no use to try again after hatching 39 chicks from 100 eggs.

An incubator will not feed or regulate itself as the hen does, and we must not expect as good results until we have had some experience, and we should not blame the incubator because of poor eggs, a poor location causing uneven temperature, or our own carelessness.

Give the old machine a thorough overhauling, or order the new one at once, so you will not be delayed at the last minute; and though it may seem like joking we should like to warn against hatching too many chicks. Most of us are not prepared for large hatches, usually providing only one brooder for each incubator, and our chicks are overcrowded; in consequence most of them die and we pass along the saying: "Incubator chicks are never strong." Do not hatch too early or too late in the season and do not hatch more chicks than you can care for; and don't let the bugaboo, altitude, worry you; you may need to air the eggs a little longer or apply more moisture than the rules direct; otherwise run your incubators as you would at a lower altitude.—W. E. Vaplon, Colorado Agricultural College, Fort Collins.

Sending a boy through college generally educates his father.

Money talks but not much. It generally says "good bye."

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800 Seeds Cabbage	3 Best Varieties	3 pkts.
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17 Screens and Riddles Enough for Every Purpose

One of the strongest endorsements of stock raising as a system of agriculture is that it leads to the establishment of permanent homes and breeds into its followers a love for the soil. Civilization can be reliably measured by the character of a people's homes. That nation is in good health which excels in the number of homes and farms owned by their occupants. Stock raising involves the legal ownership of land. It does not fit into American leasing systems, although we have hundreds of examples of success in stock raising by tenants operating under long-time leases. Primarily, however, the business of breeding farm animals is economically linked with the ownership of land, and this confers on man an impregnable security in which he should grow to the highest idealism.

Any man who owns a corn belt farm is as well protected from the wolf of want as the richest king living. He is immune to material disaster if he does not succumb to the luxuries which his position may yield under intelligent administration. Back of his right to the soil are the laws of the nation. Generations before him have legalized his possession, and if he exercises judgment and makes worthy use of his brains he can live in comfort all the days of life, and bequeath to posterity ample means for its support in comparative luxury. There is absolutely nothing for a corn belt land owner to fear save prosperity; if he can stand that, his journey through life is securely walled in against hunger and want. Thus circumstanced, he is free from the worries and anxieties that torture the great masses of men who live precariously detached from the soil—the source of all wealth.

Once a man settles for life the problem of food and clothes he is rid of the millstone that hangs about the neck of the vast majority of men. He is in position to attack larger problems. Most of us devote our short lives to the making of a bare, meager living, having no time to think of or work toward the larger ends of life. Many a man is a slave to his physical necessities who in the glorious freedom that land ownership grants might bless the race with immortal beauty in poem, picture, music, sculpture or landscape. Most of us are so tied down by the maintenance of existence that we are unable to develop the only resources which are worth conserving.

Americans have fed their stomachs and starved their souls. In the cities this crime is excusable if we view it with that large charity which overlooks the sins and blunders of mankind, but it is altogether inexcusable among men who own land. Farmers who are secure in the possession of land have ample opportunity to focus their attention upon the problem of fashioning a beautiful personal life, rich in quality, full of sweetness and light, kindness and brotherhood. They are free to adventure, think, dream and burrow into new depths. No farmer who is worthy of the little kingdom which he controls requires to spend more than a fraction of his time at physical drudgery. If he farms with his brains he is sure to have increasing leisure for the cultivation of the farm that lies weedy within his soul. It does not much matter what we get out of the soil; it is what we get out of ourselves that counts. Few of us are bossed by the inner self; most of us are ruled by the love of earthly possessions. Our concern is what we can gain, not what we can give. We ought to be above that little, dwarfing ambition.

You who own Kansas farms stocked with animals and fenced against invasion have a much greater business than improving your herds, flocks and studs, and maintaining the fertility of the soil. You should do these things of course, but your overshadowing duty is to improve the breed of men and deepen and enrich the inexhaustible wealth of personal life. This work begins at home. It centers in the individual, radiates warmly within the family and branches out to humanity. It does not neglect the farm and its stock; it is large enough to achieve every result that is worth while.

But you are resenting this attack

upon your professional inclinations and activities, and inwardly declaring that any one who thus addresses you is impractical, visionary and "cranky." I grant you that I am all of these, but I know that in your best hours, when you hear the small voice that comes to you from your Source, you agree that making the farm pay, making your bank account grow, and making your neighbors envious, does not yield you a durable satisfaction. You crave greater results. You hunger for something that money cannot supply. You want something that you have not got. Sometimes I suspect when you are mentally counting your dollars or estimating your wealth, you feel the pangs of a terrible poverty. Perhaps when you are admiring the best bull, hog, sheep or horse that you have ever bred and developed you wish that you were a better man—a kindlier, larger hearted husband, a wiser and more loving father, a gentler, pleasanter and more helpful neighbor. If a wish of this type now and then wells up from within you, I know that you are not the man to denounce a message to the heart and mind from one who believes that it is infinitely more important to develop one good, helpful man than to make a ton of hay grow where a desert lay barren before.

No man in whom there is any good—and there is great good in the worst of us—can be satisfied with the outward successes of life. However difficult they may be to attain, and however sweet the victory over adverse conditions, the man who has manly aspirations inevitably concludes that the only success which leaves a permanently good taste has to do with his own inner life rather than anything that he owns or can get.

Stock raising by the nature of its complexities cultivates all the nobler traits of man. It is the profession of men who are thinking and growing. It compels its followers to put themselves into it, and in this drawing out of self lies a cultural value which no other type of agriculture possesses to so marked a degree. Stock farmers are the highest and best developed representatives of rural society. America's best country homes are on stock farms. You can judge a man by the kind of stock he keeps. You can form an accurate idea of the character of his stock by studying the man.

A man with ideals and a passion for increasingly nobler masterpieces can not enjoy the ownership of scrubs, whether pure bred or otherwise, and the man who has not yet awakened within to outward beauty cannot be expected to become a breeder of pedigree stock until he has improved himself. Some men will never be qualified to breed good live stock because they have not the inner affinity with outward beauty. They have reached manhood without a cultivated attraction for uncommon things.

It is the bent of the mind rather than the lure of profit that attracts to pure bred live stock the best type of men. Those who go in for reward as an end in itself are always the first to quit as soon as trade loses edge; men who go in because, as many of them say, they cannot keep out, are the permanent pillars of the industry, standing under and by it through all the crises of a lifetime.

You cannot make a stockman worthy of the name of a man whose only question about anything is, "Will it pay?" It is essential that stock raising should pay, and it does pay the men who are broad enough to derive large satisfactions from creative, constructive work, but the commercial spirit was altogether absent from the ambitions of the world's greatest breeders, however prosperous they may have been. They succeeded in doing something before they expected or secured financial reward. They expressed themselves in works of art as truly as did the greatest masters of brush and pen. They live to this day in the breeds of their creation.

Evolution is still under way. Improvement in stock cannot proceed more rapidly than improvement in men. Education and awakening precede wise action. Some people do not respond to educative forces but remain near the level of a mediocrity

by the fate of their own breed. Others are sensitive and need a suggestion to spread the contagion of improvement. It is a privilege and a responsibility to be a leader of pure bred stock. Men engaged in this work do their most effective teaching through their achievements. If their success is marked enough to inspire others to effort in the same field they have scored a two-fold advance, and if their personal efforts shall outshine their works, and by a guiding light in the paths of their fellows, they can say at the end of their life has been worth while. Stock raising leads to the building of better homes because it broadens the mind and increases their ambitions for higher values in life. It leads to the adoption of modern conveniences in the home, introduces music and games, expands and vitalizes social life and makes of the farm a suitable environment for the impressionable youth of the men and women of tomorrow. It brings about physical conditions in which children can be raised who will be good citizens whether they stick to the farm or leave it. It is clear that the future of the country depends on the kind of men we are raising now. Our farming is a broad reflex of ourselves. By improving ourselves we can better our farms and our stock. Back of and under than any and all of his works stand. Let him stand out in his full stature, and let stock raising and the making have value only as a means of contributing to his expression of his divine self. This is my message to the stockmen of Kansas.

Remedy for Quack or Cough Grass.
Mow the ground in the fall; then in the spring, when the grass comes, disk thoroughly once a week, turning the grass cut under until the first of July. Then sow to millet, using from three pecks to one bushel of seed per acre. I have tried this two years, and have been successful both times. Had on one tract last year, and raised the best corn I ever raised. With this remedy you don't lose the use of the land, for you get a good crop of

believe readers of KANSAS FARMER, you have had trouble with this kind of grass will find this a successful means of eradication.—D. J. Hook, R. Trafford, Iowa.

Landlord and Tenant.
I have been on your list for some time and I take time to read KANSAS FARMER thoroughly. Your paper is the best farm paper published west of the Mississippi River. I was interested in the discussion of the landlord and tenant question, and say! get the landlord and you will have the one who needs advice in big bunches. A large per cent of the landlords out there do not know what a machine looks like nor do they care anything as they do not protect their machinery. I am a tenant and I don't want to be a farmer, but let me say to the best farmer on earth, or anywhere in Kansas, has absolutely no chance with a one-year lease. We must continue to be "a menace," a "troublemaker," "shiftless," etc., as a Kansas City daily said recently in a full page Sunday article. I illustrate: I have about \$1,100 invested in machinery, all new, and only covering it gets is the moisture from the dew, frost or snow, as well as from the blue canopy of heaven. Think you we tenants are too stupid to pull the machines into sheds? Well, show us the shed where yours goes into it. I admit that tenants are no good to their landlords or any one else. I have been up against one year lease so long that their case is hopeless. But it is quite different with us who are from 20 to 35 years old. If we had had the opportunity to lease good or fairly good farms for 90 per cent of us would have a chance to sell the farm at a profit, so "There ye air," as they say. Some landlords treat tenants as though they had no value on earth, when they have done very best. This is a little personal experience. Last June to rent a half section with better improvements. Most farms here are rented on August 1. The owner of the farm asked for my recommendations. These I gave him and they were satisfac-

tory. "How many horses have you?" he inquired. "Eight." "Did you ever farm any corn?" "Yes." "Ever raise any wheat?" "A little." "How long have you farmed?" "All my active life." He sized me up and was about to say I could have the place when he happened to think to ask me how many children we had. I knew instantly that it was all over for that place, but I answered, "six." "Are they all grown?" was the next question. He was told that the eldest was 12 and the youngest still in arms when he got interested enough to tell me that children were hard on plastering and wall paper, and that he would rent to some one with no babies to wreck the mansion.

Only last week a good old landlord was telling me what a poor farmer he had on his place. This gentleman is himself a retired farmer, and he said: "That man don't know how to farm. He only got 27 bushels of corn to the acre on the east forty, when I used to get 45 to 70 bushels. I used to be a farmer, I did." I asked him how long his farm had been rented. "Eight years." "Was your man there all this time?" "No, this is his first year and it will be his last." Then I asked him how long the east forty had been in corn, and he stated that it had been in corn every year since 1890. He said the crop had never been changed but that it was good land and ought to raise more.

Now, think of it, Mr. Editor. That east forty had been in corn for twenty-one years straight or until the land was so "sick" it could hardly produce a stalk or ear, and the good old landlord blames his tenant. The one year lease system is the bane of the landlord and the curse of the tenant. In a few years it will actually threaten the life of the nation. I would like to tell you why I think so, but can not now.

Your most highly valued paper, KANSAS FARMER, is doing a great part to help make thousands of tenants better farmers. Don't blame us if our machinery is not in the shed when we have no sheds and no chance to get them. Give honor to whom honor is due, and help to educate the landlord to the value of five year leases, and when this is done a new era in farm life will dawn throughout the corn belt.—E. B. T., Cloud County.

Horticultural Society Officers.

The officers of the Kansas State Horticultural Society for the ensuing year are as follows:

President, Ed. G. Hoover, Wichita; vice president, J. T. Treadway, La Harpe; secretary, Walter Wellhouse, Topeka; treasurer, O. F. Whitney, North Topeka; trustees, J. F. Cecil, North Topeka; Marshall Chandler, Argentine; F. L. Kenoyer, Independence; C. C. Cook, Eskridge; Albert Dickens, Manhattan; J. J. Alexander, Norton; C. A. Blackmore, Medicine Lodge; Geo. A. Blair, Mulvane.

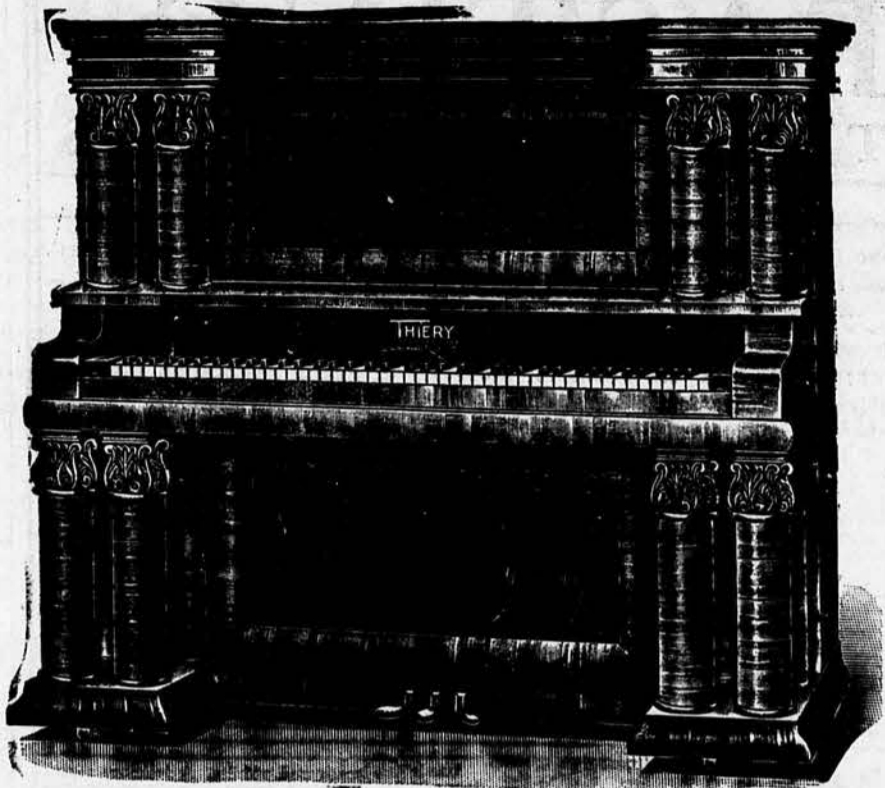
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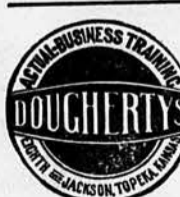
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HOME CIRCLE



The Way Baby Slept.

This is the way the baby slept:
A mist of tresses backward thrown
By quavering sighs where kisses crept
With yearnings she had never known:
The little hands were closely kept
About a lily newly blown—
And God was with her. And we wept,
And this is the way the baby slept.
—James Whitcomb Riley.

An easy way to distribute spices evenly throughout a cake or pudding is to mix them carefully with a part of the granulated sugar to be used.

Care should be taken when washing wooden ware such as chopping bowls, moulding boards, etc., never to dry them by the fire, as it would cause them to warp and crack.

I cannot contentedly frame a prayer for myself in particular without a catalogue for my friends, nor request a happiness wherein my sociable disposition doth not desire the fellowship of my neighbor.—Sir Thomas Browne.

There is nothing more annoying to a busy housekeeper than to have the breakfast drag because all are not at the table promptly. This often happens when there are a number of children in the family. This is one mother's suggestion. Place a penny on the breakfast table each morning for the child who is there first, neatly washed, dressed and combed. It works better than a scolding for the one who is late.

A House Blessing.

The beauty of the house is order; the blessing of the house is contentment; the glory of the house is hospitality; the crown of the house is godliness.

Moist Air Saves Fuel.

Dryness of the air tempts to overheating of the living rooms, for dry air increases the evaporation of perspiration from the skin, thereby increasing the sensation of chilliness. Dry air at seventy-five degrees will feel about as chilly as moist air at sixty-five degrees. Stoves, soils and furnaces should always have open vessels of water exposed to evaporation for the purpose of properly moistening the air. This moistening of the air will prove a saving of both coal bills and doctor's bills.—Designer.

Going to School on the Roof.

The open air school for tuberculous children is the logical development of the crusade against tuberculosis, for the three most effective measures in that warfare are fresh air, rest and food.

All sorts of locations have been utilized for open air schools. In Boston the roof of the refectory in Franklin Park is used. Chicago and Hartford began with tent schools. Pittsburg used the balcony of a hospital. New York City has converted three ferry-boats into open air camps, and on each of these is a school.

On the roof of the Vanderbilt Clinic in New York the children study breathing in the pure air as it sweeps up from the East River, while the noise of the city's busy life faintly floats upward from below.

"Don't you get very cold in winter?" one of the girls was asked on a crisp day in December when Jack Frost was making icicles on the sides of the steam pipe.

"Oh, we don't mind it," was the reply. "We get into our sitting-out bags and wrap our blankets around us and we are toasty warm."

"But what do you do when it snows?"
"Oh!" was the quick, smiling rejoinder, "that's the nicest time of all. We can play and make houses and forts and snowballs, and the snow isn't all dirty and black as it is down in the school yards."

Study time on the Vanderbilt roof covers four hours a day in winter and two hours in summer, but no study period is longer than one hour. In the middle of the forenoon every child has a fresh egg broken into an egg cup, and drinks a glass of milk. At noon the children help to set the table and have a full dinner—soup, meat, vegetables, salad, dessert. The dining room is a sheltered section in the lee of the north wall.

After dinner every child must take himself to his steamer chair, wrap himself cozily in the two heavy blankets provided and "rest." Then comes a playtime again before afternoon study. Another egg with a glass of milk is given to each child in the middle of the afternoon.

Any kind of industrial work is encouraged among the boys and girls, and instruction is given in basketry, sewing, knitting and hammock making. Articles made have been sold and the proceeds given to the makers. One very pleasant custom on the Vanderbilt roof is that of observing the birthdays of the children. This gives a community feeling which is still further developed by games, such as cards and checkers, the Christmas tree and the garden work. There are occasional gramophone concerts, and in the summer friends frequently send gifts of ice cream.

The garden work is one of the charming features of the school's activity. During all the past summer the entire south side of the roof has been gay with flowers that were tended by the children.—Designer.

8794. A Jaunty Blouse Suit.

This jaunty Russian model was made of dark blue serge with stitching for a finish. The special feature of the style is the "body and sleeves in one," but it has a shoulder seam that extends over the sleeve, to the cuff. The design is a simple one, and is appropriate for all suitings. The



8794

pattern is cut in 3 sizes: 2, 4, 6 years. It requires 3 3/4 yards of 36 inch material for the 6 year size. A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.

Rural Conditions in Kansas.

MRS. W. A. JOHNSTON, TOPEKA. At the tenth biennial convention of the General Federation of Women's Clubs, which was held at Cincinnati, Ohio, on May 11 to 13, 1910, a symposium on "Glimpses of Rural Conditions in America" was given by the Board of Directors, to each one of whom there having been assigned the duty of reporting upon a particular section.

The many rural lines enable the farmer and his friends to keep abreast of the current events of the day, while clubs, traveling libraries, and sometimes social centers follow. There is now at least one library station in each county but one in Kansas.

In Oklahoma one river furnishes water power which enables the farmers to illuminate with electricity all of the houses and roadways within a radius of 25 miles. Both states have large oil and gas fields, supplying country and town houses with light and heat.

"In the more sparsely settled counties where the farms and ranches are very large and the homes widely separated, there are no doubt lonely women, but they are young and there are no wild beasts or savage red men to make them afraid. Their minds are filled with plans and dreams for the future, which the abundant crops and fatted cattle are fast bringing true. Already the spring wagon is giving place to the automobile and distance is no longer a problem. with home conditions upon the farm, and to Mrs. W. A. Johnston, wife of the Chief Justice of the Supreme Court of Kansas, was assigned the duty of representing Kansas and Oklahoma. In her report Mrs. Johnston said:

"The conditions in these two 'river states' are similar; both are new western states where farming and grazing are the principal interest. They are alike, too, in moral sentiment, both being prohibition states. Perhaps this is why the women are not using tin cans for water dippers and barbed wire fences for clothes lines. The farmer not having to use his small change to treat his friends in town can take these domestic conveniences home to his wife.

"I have endeavored through letters, travel, and with the help of the editor of KANSAS FARMER, to learn something of the true conditions of our farming communities and I learn that telephone and rural route delivery lines cover a large area in each state, and that every community has its church and school house, these two coming first, and then the telephone bringing the doctor, business man and the friends within speaking distance and safeguarding against loneliness and danger.

"Each state has its agricultural college, the one in Kansas being noted as the largest in the world. The farmers' sons and daughters are there learning farming and home making from scientific principles and take away with their diplomas an inspiration for better conditions.

"And since this inspiration is backed by a knowledge of how to make ideal homes and communities, I predict that soon our ruralists, 'the hayseeds' of a few years since, will be the aristocrats of this land of ours.

"The condition to be met, the present need especially for the young, is mental diversion, entertainment, amusement, social centers, something to take the place of the spelling matches and singing schools that have vanished and left nothing better in their places."

Two Thousand Teapots.

As tea was at first a luxury obtainable only by the rich, so the early pots for brewing it were small and costly. Their shapes were round, pear shaped or oval, and they were often used as presentation gifts.

First the silversmiths took a hand in the matter, and "spout cups" used for wine, seemed excellent utensils for the purpose. The spout cup was the direct progenitor of the modern tea or coffee pot; its handle was placed on the side, instead of directly opposite the spout. Since these pioneers millions of teapots have been made by all the famous potteries and porcelain factories. They are so varied in size, the patterns are so different, the modes of decoration so attractive, that they appeal in a particular degree to the hearts of collectors. With a collection of them, if your purse has been of sufficient length, you can cover the rise and growth of the whole field of eighteenth-century ceramics. One ardent lover of teapots in this country possesses over two thousand. Her house is completely filled with them, displayed in cabinets, or ranged on shelf after shelf along walls and over doors, even in her bedroom.—Designer.

Hardest Worker on the Farm!

Wonderful FARM PUMP ENGINE Makes Play of the Most Tiresome Winter Work

Ensures Reliable Water Supply Even in Zero Weather

Runs outdoors in coldest weather as well as hottest summer day. Supplies all the water needed for house, barn, dairy, feed lot or pasture. Works all day without attention. Outpumps a windmill ten to one. Keeps on pumping no matter how light or how strong the wind blows.

Pumps 400 to 1,000 Gallons per Hour

No well too deep for the Farm Pump Engine. Attached to any force pump 400 to 1,000 gallons per hour. water at right temperature—cold in winter nor too hot in summer. Costs less to run than some tank heater. water waste and is a big saver of time.

Helps the Women as Well as the Men



Does the Washing in Half the Usual Time

Does the Work of Two Hired Men

Engine. It provides neither too much nor too little. Eliminates big saver

Makes the Dairy Machinery Hum

Most Practical Portable Power Plant Made

This wonderful little engine has no equal as a general utility power plant for the farm. Has scores of uses. Saves untold labor in dairy and laundry. Runs the feed mill, fanning mill, grindstone—any farm machinery usually operated by one or two men.

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Fits Any Pump and Makes It Hump!

Well Made—Strong and Reliable

As high grade in material and workmanship as engines used in best automobiles. Perfectly air-cooled and self-oiling. Important working parts encased in steel. Easy to start and stop. Child can operate it with safety. Tank holds day's fuel. Runs all day on a few cents' worth of gasoline.

Soon Pays for Itself

Costs less than a good windmill. Does ten times the work. Farmers everywhere proclaim it the greatest labor and time saver ever used on the farm. Earns a big dividend every month of the year. Right now in the winter months is the time when you need a Farm Pump Engine most. It will pay for itself in saving the wages of a hired man. Lightens the hardest work for the women folks as well. Makes everybody happy.

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No Worms Here

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A medicated salt guaranteed to rid hogs, sheep, cattle and horses of all stomach and free intestinal worms. Not only that, but Sal-Vet cures indigestion, puts an edge on the appetite; keeps your stock in tip-top condition. You do not have to "dose" with Sal-Vet. No drenching—no handling. Animals eat it naturally. They doctor themselves. Read what this wise farmer says:

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Try it 60 Days Before You Pay I know that Sal-Vet will rid your hogs, sheep, horses and cattle of worms and indigestion and I want you to try it—at my expense if it fails. Just fill out the coupon and I'll send you at once enough Sal-Vet to feed them 60 days. If it doesn't do all I claim, then you needn't pay me one cent. Send now.

SIDNEY R. FEIL, Pres.
The S. R. Feil Company, Dept. K.F. Cleveland, O.
Prices: 40 lbs. \$2.25; 100 lbs. \$5.00; 200 lbs. \$9.00; 300 lbs. \$13.00; 500 lbs. \$21.12

Send me enough SAL-VET to feed my stock 60 days. If it does not do all I claim, then you needn't pay me one cent. I will pay for it. I know you are to cancel the "chicken" name. **S. R. Feil Co., Cleveland, O.**

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New Orleans: Whitney Central Bank Building



Mites And Lice on Poultry

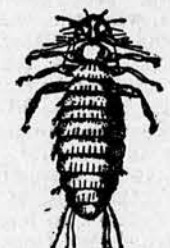
Many times poultry are supposed to be affected with some disease when the real cause may be traced to an abundance of mites or lice. Diarrhea in summer, loss of appetite, drowsiness, loss of feathers, scaly legs and head, and various troubles of this sort may be due to the presence of mites and lice. The vigorous scratching and wallowing of fowls in the dust, and the refusal of little chickens to eat or to follow the mother hen are sufficient evidence that they are infested with mites or lice.

progresses it spreads to the region of the head and neck, and in a few months the feathers become atrophied and the head and neck become destitute of feathers. The comb becomes brown with a rugged surface, spotted with whitish, mealy patches. The disease may continue for months, or even a year or more. Gradually the general health is affected, the hens cease to lay, the fowls become emaciated, lose their appetite and finally succumb.

MITES.
Chicken Mite (Dermanyssus gallinae DeGeer). This well known mite which is common throughout the United States, is the most persistent and injurious pest of the henner. The full grown mites, nearly one-twentieth of an inch in length, are plainly visible to the naked eye. (Fig. 1.) Often they are light gray in color, but after feeding they usually have a distinct reddish color. They swarm in cracks and corners, and when very abundant, crawl over all surrounding objects in the hen house. The eggs are usually laid in cracks and crevices where some of the manure or other filth has collected. When young they probably feed entirely upon this filth, but when older attack the fowls. They gather in myriads where an egg has been broken in a nest. Since they feed upon manure and other filth they probably breed in the droppings. The mites reach maturity in about ten days. They are most active at night when they crawl about from one hen to another, usually remaining on the fowls just long enough to feed, after which they hide in cracks.

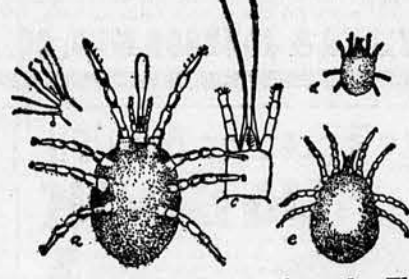
Method of Control.—The best remedial treatment is to bathe the infested parts in warm soapy water to loosen the scabs, and after these crusts have been removed the affected parts about the head and neck should be treated with carbolated vaseline, and the feet and legs dipped in kerosene. Since this disease usually occurs first on the legs near the feet, a close watch should be kept for its appearance, and as soon as detected the feet and legs should be dipped in kerosene, which will usually prevent further trouble.

LICE.
Common Hen Louse (Menopon pallidum Nitzsch).—This insect is found in abundance throughout the United States, and though there are other species attacking poultry, none are so numerous and so important as this one. It is a small wingless insect, less than one-sixteenth of an

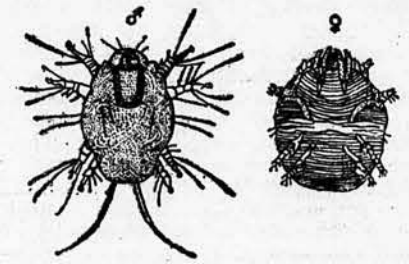


Methods of Control.—Since darkness, dampness, and filth are favorable to the increase of the pest, it is very evident that sunlight, dryness, and cleanliness are the best means of preventing an infestation. No hen house can be kept too clean, hence it is very important to have the hen house and the nests so constructed

inch in length, pale dull yellow in color, with darkened marks on each side of the body, although after feeding it may be reddish in color. (Fig. 3.) The louse is easily distinguished from the other common species by its great activity in running among the feathers and from them upon the hands of persons holding fowls. The eggs or mites are little, tiny, elongated objects attached to the vanes and barbs of the feathers. During warm weather these eggs hatch in a few days, and the young lice which keep close to the body, will reach maturity in about three weeks. They do not suck blood, but gnaw and nibble the skin and the edges of the feathers. The claws of the feet are usually very sharp and the continual scratching and pricking of the skin of fowls draw blood upon which the lice greedily feed, and this accounts for the reddened color of many specimens. During warm weather in houses that are damp and filthy the lice become very abundant. They breed very rapidly in the nest of a sitting hen, especially if the nest contains old feathers and other filth. Infested fowls do not suffer from loss of blood but from nervous exhaustion caused by the biting, scratching and pricking of the lice. This continual torment, worry and restlessness during the night produce bowel trouble.



that they can be easily cleaned. The best method of destroying the mites after the building and nests have been thoroughly cleaned, is to spray the nests and all parts of the building with kerosene emulsion. To make kerosene emulsion, shave one-half pound of common soap into a gallon of soft water and boil the mixture until the sap is dissolved. While boiling hot, but away from the fire, add two gallons of kerosene and stir or agitate the mixture until a creamy emulsion is formed. Five or six ounces of carbolic acid added to the mixture will increase its efficiency and probably cause it to emulsify more readily. When ready to use, dilute one gallon of the emulsion with nine gallons of water and apply as a spray or with a brush. Care should be taken to work it into all the cracks, crevices and joints about the building. This application should be repeated in three or four days to kill the young mites which may have hatched since the first application.



The Itch Mite of Fowls (Sarcoptes Mutans Robin and Lanq.).—This mite which is the cause of "scaly leg" is another common parasite of domestic fowls. It usually appears first upon the legs and feet, but does not confine itself to the legs, often attacking the comb and the neck. The mites are very small, whitish in color, and have very short legs. (Fig. 2.) They burrow in the skin causing an intense itching. Crusts or scabs, which are grayish externally and white internally, are generally formed above the burrows. These crusts become very irregular in shape and sometimes envelope the whole leg and foot, forming a crust one-third of an inch in thickness. The itching is more intense at night and during warm weather, and oftentimes a fowl may be seen attacking the infested parts with its bill. As the disease

Little chickens are more susceptible and a great many die from the attack of these lice.

Method of Control.—The hen house should be thoroughly renovated and sprayed with kerosene emulsion. The fowls should be provided with a dust wallow. Equal parts of fine coal ashes and laud plaster thoroughly mixed furnish one of the best dust wallows. The fowls should be dusted with a dust bath. To make a good dust bath, take one-fourth of a pint of kerosene and three-fourths of a pint of gasoline, add these together and slowly pour this mixture into two and one-half pounds of plaster of Paris. While pouring in the liquid the plas-

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A better machine for the money cannot be had. Guaranteed to hatch every fertile egg. Double walls. Hot water tank covers entire top of egg chamber. Absolutely self-regulating. I've built incubators for 30 years.

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I breed exclusively the White Orpingtons, the breed that is fast coming to the front as the best of all-purpose fowls. My pullets have been judged and pen by licensed judge and mated to fine prize winning males. Eggs from these matings are sure to produce fine birds and the kind that lay. Trap nests used. Satisfaction guaranteed.

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Fifty extra fine pullets at \$2 each. Eight hens at \$2.50 each. A few extra good cockerels at the right price. Write quick. A bargain for someone.

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For 13 years I have bred White Rocks, the best of all purpose fowls, and have some fine specimens of the breed. I sell eggs at a reasonable price. \$2.00 for 15, or \$5.00 per 45, and I prepay expressage to any point in the United States.

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10 Cherry Trees \$1.
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Why pay high prices for nursery stock when we sell it so low? Due bill for 25 cents and catalogue free.

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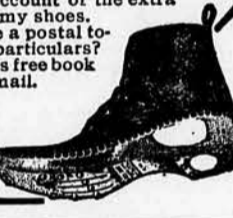
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POTASH PRICES PLEASE FARMERS AND DEALERS.

Sales to Them Increase.

The long published statement regarding the potash situation, signed by Mr. Bradley and others, contains some near truths, much argument and some opinions of attorneys, the latter being evidently influenced by their clients' presentation of their troubles. All of these need to be considered in connection with the following facts

Mr. Robert Bradley did not sign the contract July 1, 1909 but according to Mr. Schmidtman it was signed by Mr. Peter Bradley in New York August 18.

The statement of the Prussian Minister of Commerce in the German Parliament on July 7th contained the following

"Being a man of caution, I have already drawn up a prospective law, which naturally I have not yet placed before the Bundesrat. Now everybody knows where he stands and can arrange his business accordingly. Whether the potash syndicate will be formed is not material. The question rather is, whether it will be possible to counteract the consequences detrimental to the general welfare."

It is quite inconceivable that Mr. Bradley should not know of this on August 18th, when the contract providing that "any export or import duties or other governmental charges which may hereafter become effective within the life of the contract shall also be paid by the buyer," was signed.

Under the circumstances the signing was a speculation which so far has not been successful, but he made a bad guess on what was going to happen, and Mr. Schmidtman out-traded him.

The other 68 buyers who see fit to cast their lot in with Mr. Bradley had contracts with the Sollstedt mine, which did not expire until 1917. These contracts guaranteed the average price paid by the two greatest American fertilizer corporations, and had they not consented to change them the mine (which had been purchased by another American corporation, the International Agricultural, of which Mr. Schmidtman is president), would have been obliged to pay the tax.

However, in September or October they saw fit to sign supplemental contracts in which they assumed all taxes and other governmental charges, German or American. They, too, made a bad guess and were outwitted by Mr. Schmidtman.

The trade lists show about 600 fertilizer manufacturers in the United States, so that only about one-tenth of them are represented in the present contention. Among those who are not asking the government for help in trying to get an advantage over their competitors is the Virginia-Carolina Chemical Co., the largest fertilizer corporation in America. On the contrary, the German mine Einigkeit, controlled by the Virginia-Carolina Co., recently joined the potash syndicate.

Mr. Bradley's ideas on conservation seem to consist mainly of "filler." The fact that the law requires an increase of at least five per cent yearly in the quantity mined proves that there is no intention of limiting production. The conservation policy of the law is that the mining shall be so regulated that mines more favorably situated shall not export their products at a price lower than the average cost of mining and lower than that for which the Germans themselves can secure the same products.

We have every reason to believe that the German Foreign Minister did not assure Ambassador Hill that "it would not invalidate or impair the American contracts," but that the assurance was given that a provision would be made so that the American buyers need not pay more for their potash than had been paid in previous years. This promise was faithfully carried out and this provision stands in the law, but the buyers have never asked for the liberal reductions which it permits.

Mr. Bradley dramatically inquires "How, therefore, can Germany afford to start a tariff war with the United States?" Germany has no such intention. A small but noisy fraction of the American fertilizer manufacturers is trying to convince the American government that it ought to start

a tariff war in order to get them out of a bad bargain.

In the meantime, the potash business is getting lots of effective advertising. Farmers and dealers are buying direct in greatly increased amounts at reduced prices, and are quite satisfied with the situation since it permits them to mix their fertilizers at some at much less cost than they can secure them in ready mixed form.

GERMAN KALI WORKS,

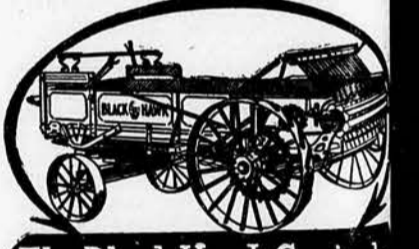
By H. A. Huston, Secretary
Test or have tested your incubator thermometers when you first get them and then again at least at the beginning of each season. Glass sometimes shrinks and thus the reading may vary as time goes on.

There is no more risk of loss in buying an up-to-date incubator and brooder than there is in buying a grindstone, or a coffee mill. There is less risk of loss in buying an incubator and brooder than there is in buying a cow or a pen of fancy fowls.

Run the incubator and brooder empty for a couple of days before putting them at work. This gets you acquainted with the work of the machines when nothing is at risk. If any defects develop, write the manufacturer and get them fixed up, before there may be a risk of loss.

Don't use any thermometer in the incubator, except a genuine incubator thermometer. Even then after you get it, take it to your local doctor or druggist, and have it tested with a clinical or fever thermometer. There is no assurance that a thermometer will not break or become damaged in shipping. Glass is brittle and mercury is heavy. Breakage can not always be prevented. It is better to be safe at the beginning of a hatch than sorry at the end.

Don't be in a hurry to feed newly hatched chicks. They won't starve if you don't feed them for three or four days. On the contrary, they will be the better for it. Don't allow newly hatched chicks to get wet, by splashing around in a drinking fountain. Better water them 4 or 5 times a day leaving water before them for a few minutes at a time only. A little extra attention to feeding and watering during the first 3 or 4 days after hatching, pays big dividends.



The Black Hawk Spreader Of Solid Oak And Steel

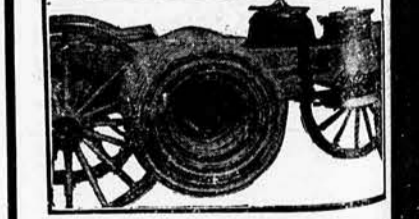
is built with the precision of a motor car and the strength of a locomotive. Has solid oak frame on bottom, Triple Bearing Trussed Axles. Flexible chain drive gives great power and light draft. Two speeds on cylinder. Feed gear changes from 3 to 75 loads per acre.

The Black Hawk Spreader has no cog wheels. It is the simplest ever devised. All working parts on side and easy of access. Important bearings with Genuine Babbitt Metal.

The powerful, indestructible, trouble-proof Black Hawk is the best-paying investment you can make. Let us send you big free catalog and "20 reasons."

D. M. SECHLER IMPLEMENT & CARRIAGE COMPANY
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THE STANDARD REEL



"Gentlemen: The Little Giant wire reeler is one of the best and most practical machines we have. If we could not get another, \$50 would not buy it. H. B. & Son, Fountain, Minn.

Will wind or unwind wire as fast as a team can walk. It makes handling wire a pleasure. Write for testimonials and particulars. Agents wanted.

SPRING VALLEY MFG. CO.,
Spring Valley, Minn.

SEED POTATOES, SEED CORN OATS AND ONION SETS

Send for our SEED CATALOGUE all kinds of
FIELD AND GARDEN SEEDS.
HAYES PRODUCE CO. 524 N. KANSAS AVE, TOPEKA, KAN

Farmer Salesmen Wanted!

Want 50 farmer salesmen to sell to their neighbors the best stave silo on the market. Here is a chance to do some good business before farm work opens. Every Kansas farmer should have a silo. Four hundred built in Kansas last year. Silo users all enthusiastic. For full particulars write

C. C. C. Box 369,

Topeka, Kansas

Bargains in Trego Co. Land

I have moved to Topeka and want to dispose of my Trego county land and will give you one of the best bargains in Kansas. 160 acres, 6 miles southwest of Ogallah, all good land except 20 acres. Price only \$15 per acre.
160 acres, 8 miles southwest of Wakeeney, 60 acres in cultivation and in wheat, the fourth goes with farm, every foot good farm land. Price \$20 per acre; \$1,000 cash, balance easy terms.
I also have a good list of fine farms in Shawnee, Jefferson and adjoining counties. Call on or write
R. H. BURNS, 106 1/2 West 5th St., Topeka, Kan.

KANSAS LAND

FOR SALE—193 a., 6 mi. Garnett, 3 mi. Askell, on Mo. Pac. R. R., 120 a. valley slope land in cult., balance rough pasture with limestone rock on 1-3 of it, well fenced and cross fenced, new 6 r. house; windmill barn, 32x42; 2 good wells; family hard. A snap at \$5,500. New list free. WELLS LAND CO., Garnett, Kan.

DICKINSON COUNTY BARGAIN.
Think—160 a. of rich land that lays well, 2 miles from Enterprise, and 1/2 mile school, with 60 a. fine bluestem pasture, meadow and the balance good corn and alfalfa land, fine 3 room two story house, barn, granary, chicken house; splendor water piped to barn; mill, large orchard, fenced, on main road. This is an extra home and must be sold, so act quickly. \$65 a acre. Good terms.
VIN E. SMELTZ, Enterprise, Kansas.

FRANKLIN COUNTY KANSAS
4 a. farm, 1 1/2 miles from Ottawa, good room house, good barn, outbuildings and hard; all tillable; good soil; sacrifice for quick sale. Price \$75 per acre.
H. H. COWAN REALTY CO.,
OTTAWA, KANSAS.

RAWFORD (CO.) KANSAS FARMS; 5 acre poultry ranches; easy terms. Geo. Strickler, Girard, Kan.

COLORADO LAND

KIOWA COUNTY, COLORADO.
wheat and alfalfa lands \$8 to \$15. Instead relinquishments \$250 up. Folder copy of the Homestead Laws sent free. Few 160-acre homestead tracts under prospective irrigation yet. THE WESTERN REALTY CO., Eads, Colo.

THE STRAY LIST

Must, central Kansas, dark iron gray hind, 800 lbs., no marks; September, highest Kansas, small bay horse, 3 years; southwest Kansas, roan mare mule, 7 y., 350 lbs., left ear split, halter, on; other, northwest Kansas, dark dun mare, 15 years bobbed tail blazed face; quarry, central Kansas, black Galloway, 2 years, winglass brand right hip, best, central Kansas, red cow, dehorned, white heart in forehead, white spot on face, white belly; March, north central Kansas, red steer, coming 2 years, some marks. Other animals unclaimed year. Stray Bureau, 125 East 10th, Topeka, Kan.

Stetler, County Clerk—Wabunsee Co. TAKEN UP—One red steer, 1 year old, red face, about 4 feet high, appraised \$20; also one red heifer, 1 year old, red face, about 4 feet high, appraised \$22. Was taken up Jan. 8, 1911, by Missie Tros, Alma, Kan.

TOO LATE TO CLASSIFY.

SEED CORN

North Yellow Dent outyielded five other best varieties for us last year; a drought year; we will plant no other this year. Seed for sale. Ask for prices.
THE DEMING RANCH,
Oswego, Kansas.

KANSAS CITY Business College

BERKSHIRES—OVER 260 HEAD
To select from. Choice boars and females of various ages. A nice lot of fall pigs priced reasonable. We guarantee satisfaction.
LEON A. WAITE, Winfield, Kan.

HAMPSHIRE HOGS,
both sexes, best strains, prize prices right.
WILHELM BAUM, Altamont, Kansas.

Don't buy a lot of high priced eggs before you get your incubator. Your incubator, if bought early, won't spoil, if not used for a month or two after you get it. But eggs won't keep and be good for hatching for a month. It is a poor plan to expect the machines to arrive in a week or so after ordering. The manufacturers don't own the railroad companies, and if they did, they couldn't afford to run special trains to get incubators delivered just the exact moment when wanted. Allow plenty of extra time for shipments to get through, by placing your order a month earlier than you first thought you would. Right now is a good time to order, if you haven't already done so.

In trimming the incubator or brooder lamp wick, it should be done with sharp scissors. The corners of the wick should be snipped off, after the wick has been cut straight across the top, along the wick tube. When the wick has been properly trimmed, the flame will run straight up at the sides or nearly so. Never leave an incubator or brooder lamp flame to burn fan-shaped—as does the house lamp, ordinarily. The house lamp burns for light—the machine lamp for heat, so the flames of the two lamps do not need to burn alike. When trimming lamp wicks only cut away the charred portions. No need to cut off sound cotton. The char needs to come off because oil won't feed through it properly.

It's the little things that need to be done right, as well as the big things. Painstaking care of lamps does not make the work hard. On the contrary it makes it easier. It has taken a long time, and a lot of hard knocks, to learn all the little things to learn and observe, to get the best out of a kerosene lamp. Every lamp burner has a piece of perforated metal—a screen—in the bottom of the burner. We call it the "gauge." Whatever it is called, it must be kept free from dust, on its bottom as well as on its top. A lamp must have air or it won't work. If the bottom of the screen is covered with oil and dust, the lamp can't draw air, and smoke and soot will result. This screen can be lifted out of any burner by the help of a case knife. Up-to-date incubators and brooders use burners with easily detachable screens. Insist on getting such burners with your machines. The price is the same.

Fireless brooders are good, if they are run in a fairly warm room. They are not a success in a snow bank. Located thus, they make a nice picture to print, but a pretty sorry failure, as to actual results. Nature can't be fooled, faked or abridged in her demands. She exacts a due penalty for all oversights and negligence. One's native good sense is a better guide to go on, in raising chickens, than are a lot of the poultry books that have been printed and widely advertised. Go slow before you tie up, for any great expense, on any so-called "system" of poultry raising.

See
What
This
Man
Did

Increased His Profits

\$12 PER
COW
the first
9 months

Wm. Galloway Co.,
Waterloo, Iowa
Gentlemen: I think
your Galloway Cream Sep-
arator is all right. I have
been milking six cows this
year. Last year I used can
cold water jacket and
cows averaged \$40 each.
This year, up to date, \$52
and three months still to
go.
Yours truly,
Chas. Munty,
Monaire, Iowa

Galloway Cream Separator

with the wonderful

Self-
Oiling
All working parts
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Bath of oil

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Tells all about how I save you from 40
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tor, and give you 90 days to try it out
on your own farm or place. Also tells
what hundreds of men think of my
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machines on the market. It will
out-skim, out-run, out-wear and
out-price them all, and is from
\$25.00 to \$60.00 cheaper than any
high-grade machine you ever
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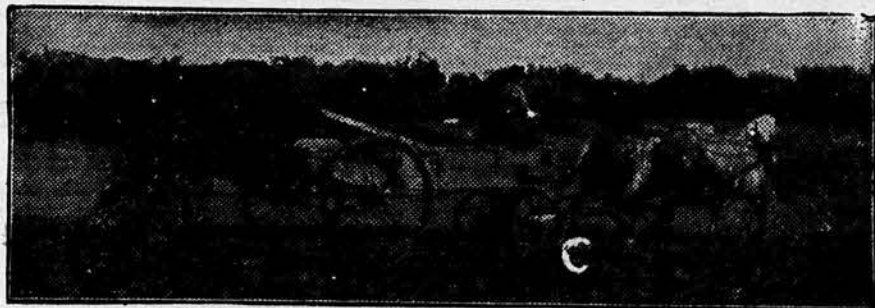
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If Not
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Wm. Galloway Company
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FREIGHT
PAID



AN IHC MANURE SPREADER MEANS NEW LAND ON THE OLD FARM

THOUSANDS of people during the past year paid fabulous prices for new land—gave up their savings and their homes and moved into unknown country just for the sake of securing more productive property.

Hundreds of farmers found a better plan. They stayed at home and invested a small part of what it would have cost them to move to the new country in an IHC Manure Spreader.

Now in leisure time during the winter they are returning to the soil the rich fertility that has been drained from it—making new land out of old—putting it into condition to yield bumper crops.

With an IHC Spreader the manure can be distributed in the proper amount required by the condition of the soil. A light coat, where land is good, a heavy coat where it is most needed.

IHC Manure Spreaders have many exclusive features which you ought to know about. Years of successful service has shown their superiority. In buying an IHC machine you are assured satisfaction for they are backed by a company that cannot afford to risk its reputation by offering you anything but the best.

IHC Spreaders are made in three styles
**Corn King—Kemp 20th Century—
Cloverleaf**

in sizes ranging from 30 to 70 bushels capacity.

Corn King and Kemp 20th Century Spreaders are of the return apron type—Cloverleaf Spreaders have endless aprons. Lime hoods for spreading lime and drilling attachments for distributing manure in rows are furnished on special order.

Let the IHC local dealer tell you all about IHC Spreaders and how you, too, can turn your manure pile into money with one of these simple, efficient machines. Catalogues can be secured from him, or, by writing for them.

INTERNATIONAL HARVESTER COMPANY
OF AMERICA
Chicago (Incorporated) USA



IHC Service Bureau
The Bureau is a center where the best ways of doing things on the farm, and data relating to its development, are collected and distributed free to every one interested in agriculture. Every available source of information will be used in answering questions on all farm subjects. If the questions are sent to the IHC Service Bureau, they will receive prompt attention.

POLAND CHINAS **DESIGNER. SEARCHLIGHT**

Kansas Live Stock History Does Not Give the Names of Two More Consistently Successful Animals Than These, Our Chief Herd Bull and Boar.

They and their assistant are the factor in the everyday "make good" business practice which has given us a mighty satisfactory business in SHORTHORNS AND POLAND CHINAS.

Stock for sale at all times and prices reasonable. Look for our sale dates and send for catalogue; each year better than the year before.

C. S. NEVIUS, Chillicothe, Miami County, Kansas.

THE MORTONS Herd headed by Equipment 5153C by Impudence. For quick sale, 20 summer and fall gilts sired by a son of Meddler 2d, bred for August farrow. Also 8 fall boars. All representations guaranteed. **THE MORTONS, Tampa, Kansas, Marion County.**

SPRING BOARS — We still have a few extra good spring boars for immediate sale, sired by First Quality Grand Chief. They will be priced right. Can also spare a few gilts, bred and open. **YOUNG & KIMMERLING, Glasco, Kansas.**

LARGE TYPE POLANDS. Herd headed by Prince 50559 heads herd. Bred for sale; also some good August pigs, sired by son, L. E. KLEIN, Zeandale, Kan.

LAREDO HERD Poland Chinas, headed by Impudence Style No. 1 and F. R.'s Meddler by Meddler for 15 fall gilts bred for fall farrow and sale. **G. W. MCKAY, Laredo, Mo.**

LARGE TYPE POLAND CHINAS Herd headed by Big Hadley, Long John and John Ex. Young stock for sale at all times. A few choice Hadley boars. **CHARLES Z. BAKER, Butler, Missouri.**

KING DARKNESS No. 149999 is my herd of RICHLY BRED POLAND CHINA SOWS. I have a few choice gilts also sows bred to him for sale. A nice lot of fall pigs by Peerless Perfection 2d. **F. J. MILLER, St. John, Kansas.**

8 - BRED GILTS - 18 available, bred to A. L. Hadley; \$25 to \$40. **A. L. ALBRIGHT, Waterville, Kansas.**

HARTER'S BIG KIND POLANDS headed by Mogul's Monarch 45858 and Hutch 39068. Bred sow sale Feb. 16. Bred Rock cockerels for sale. **H. HARTER, Westmoreland, Kansas.**

Type Poland China Gilts few very choice ones sired by the great Agam and safe in pig to a grandson and Look. \$30 each if sold soon. **J. B. WHIPPLE, Fall City, Neb.**

Mr. C. Graner's Great Big Poland Chinas and with quality. The big litter sort. Boars left. Bred sow sale Feb. 9. **C. GRANER, Lancaster, Kansas.**

WING concluded not to hold a public sale. I will offer 25 well bred, sired by bred to the best and highest priced type young boars out this year. Six 2-year-old sows bred to Grand Chief. This cross produced my best sows in all sale. If you want the best that will come or write. Special price on a lot in one deal. **A. Bugg, Hamilton, Missouri.**

POLAND CHINAS BRED SOWS AND GILTS. Strike, grand champion at the Oklahoma State Fair, 1908, heads the herd. Specimens on a few bred sows and gilts. Pedigrees furnished when hogs are desired. **M. CHAMBERS, Oswego, Kansas.**

MEADOW VALLEY STOCK FARM. Bred Poland Chinas. Herd headed by Hadley, King Ex. 3d, Long John the Missouri Wonder. Four of the best boars of the breed; young stock available at all times; everything guaranteed. **W. A. BAKER, Butler, Mo.**

VIEW BECOMING CALIF. Herd of the big-boned spotted Poland Chinas registered herd of origin spotted Poland Chinas on earth. Bred for sale Feb. 15, 1911. Ask for catalogue. **PAULKNER, Box K, Jamesport, Mo.**

THEY ARE PRICED RIGHT. Poland China boars for sale at prices \$20 to \$25, with good bone, backs and legs. **E. M. WAYDE, Burlington, Kansas.**

BECKA HERD of pure bred Poland China Duroc Jerseys. Boars all sold, but a limited number of Poland China gilts bred for early farrow. These are good ones, priced right. Farm 7 miles from Simpson, Kan. **W. H. Sales.**

ROSE LAWN POLAND CHINAS. Herd headed by Darkness by Meddler 2d, assisted by Strass Meddler by Meddler 2d head of richly bred Poland China sows. Spring gilts by On the Spot for sale. **ANDERSCHHEID, R. 3, St. John, Kan.**

BROOD SOW SALE. All sold at present except a few sows. Brood sow sale Feb. 15. Send catalogue early, as there will be some good gilts. **PECKHAM, Pawnee City, Nebraska.**

ER BOARS ALL SOLD Three good ones yet by Perfect Missouri. Also some fine fall pigs priced low. Bred sow sale February 22. **C. MILLIGAN, Clay Center, Kan.**

POLAND CHINAS

QUALITY AND SIZE POLAND CHINAS. Herd headed by Equipment 5153C by Impudence. For quick sale, 20 summer and fall gilts sired by a son of Meddler 2d, bred for August farrow. Also 8 fall boars. All representations guaranteed. **THE MORTONS, Tampa, Kansas, Marion County.**

QUALITY AND SIZE POLAND CHINAS. Herd headed by Equipment 5153C by Impudence. For quick sale, 20 summer and fall gilts sired by a son of Meddler 2d, bred for August farrow. Also 8 fall boars. All representations guaranteed. **THE MORTONS, Tampa, Kansas, Marion County.**

SPRING BOARS — We still have a few extra good spring boars for immediate sale, sired by First Quality Grand Chief. They will be priced right. Can also spare a few gilts, bred and open. **YOUNG & KIMMERLING, Glasco, Kansas.**

BIG TYPE POLAND CHINAS. Gold Standard by Chief Gold Dust in service. Sows represent the most noted big-type strains. Choice lot of spring pigs. **WALTER HILDWEIN, Fairview, Kansas.**

FAIRVIEW POLAND CHINAS FOR SALE—25 select gilts, bred for April and May farrow; choice for \$30. Also 60 fall pigs at prices to move quickly. **F. L. WARE & SON, Paola, Kansas.**

SULLIVAN COUNTY HERD. Poland Chinas; 200 head in herd; best blood known to the breed. For sale, eight choice fall gilts; also eight Collie pups. **FULLER BROS., Humphries, Missouri.**

NINETY HEAD FALL PIGS FOR SALE. Sired by the famous Hadley Boy No. 48069. Remember our bred sow sale Feb. 10, 1911, and send for catalog. **GEO. M. HULL, R. 1, Garnett, Kansas.**

Cronniger's Big Poland Lead The blood of the biggest and best. A few choice fall boars and gilts ready to ship. Bred sow sale February 23, 1911. **HERMAN GRONNIGER & SONS, Bendena, Kansas.**

HICKORY GROVE FARM, the home of the big boned black and spotted Poland China hogs, the farmers' hog, and the kind that makes the most pork. Choice males for sale. Address **GEORGE & OLLIE TAYLOR, Cameron, Mo.**

GEO. SMITH'S BIG POLANDS—Headed by Mammoth Hadley, the best son of Big Hadley. Sows, daughters of King Do Do, Johnson's Chief, Gold Metal, First Quality, Chief Gold Dust, 5 litters by Grand Model by Grand Chief, 100 choice pigs doing well. **George W. Smith, Burchard, Neb.**

175 BIG TYPE POLAND CHINA PIGS. Both sexes, March and April farrow, sired by Bell Metal M. 54349 and Success 53651. Heavy boned and strong. Strictly big type. Reasonable prices. **J. E. BOWSER, Abilene, Kansas.**

EXPANSIVE 34723. The 1000-lb. boar assisted by Sampson Chief and Big Victor 2d head my herd of high class, big, smooth Poland Chinas. A few choice bred sows and gilts for sale. Write your wants now. **H. B. WALTER, Effingham, Kansas.**

12-VOTER HERD BOARS—12 a spring yearling by Voter and out of Wonder; good individual; price \$75. The spring boars by Voter, \$25 to \$40. 20 gilts cheap if sold in bunches. Dams represent best families. **SCHMITZ, Alma, Kansas.**

NEW WALETS AND GILTS. Now is the time to buy your breeding stock at the lowest price. My pigs are strong, well bred and have been sired by the best sires. Write now. **C. B. HILL, Hays, Kansas.**

Breeder of Short Horn and Poland China hogs. Cartwright's King Challenger 3120, sired by King 22274, dam Lad. Also sired by Whitehall Sultan 15000, sired by Wonderhook 55256, sired by Grand Look No. 25709, dam No. 26000, sired by Spotted Chief 56692, sired by the Blueflower 49513, dam Queen Quality 15000, sired by bred sow sale Feb. 15, 1911. Address **W. F. HOLLAND, Hays, Kansas.**

POLAND CHINA HOGS. Mastodon Poland China hogs, the big-boned type that will weigh when mature 800 to 1,000 pounds. Mastodon Price heads this herd. Mastodon Price sired by A. Wonder 107356, a hog weighing in full flesh 1,200 pounds. If you want the right kind, they are at Quality Ridge Farm. A number of bred gilts for sale; all choice individuals. Phone me at Dearborn, Mo. Railroad station Newmarket, Mo. **CLARENCE DEAN, R. 1, Weston, Missouri.**

WALBRIDGE POLANDS
Quality
L. C. Walbridge, Russell, Kansas

OHIO HERD OF MULE-FOOTED HOGS. Stock of all ages for sale, sired by five big prize-winning boars and out of big matured and prolific sows, the equal of any breed. I have the largest herd in the land of this vigorous and healthy breed. **JOHN H. DUNLAP, Box P, Williamsport, Ohio.**

POLAND CHINAS

DEER PARK STOCK FARM. Richly bred Poland Chinas headed by the great Impudence E. L. and Noble Chief by Nobelman. Choice lot of spring pigs for sale by Impudence E. L. and Dawley's S. P. Perfection. **D. A. WOLFERSPERGER, Council Grove, Kansas.**

POLAND CHINAS WITH SIZE. Some very choice fall pigs weighing from 100 to 125 pounds, sired by Pawnee Look, the best boar Looks Grand ever sired. The hog that suits the big type breeder and farmer. My motto: "More hog and less hot air." **F. F. Oerly, Oregon, Mo.**

GOLD METAL 43343 By Bell Metal 40388 heads my herd of big type Poland Chinas. Breeding stock for sale at all times. Prices right. **JOHN C. HALDERMAN, Burchard, Neb.**

POLAND CHINAS

PRAIRIE VIEW HERD. Hamilton, Missouri. Breeder of Big Type Poland China Hogs and Buff Orpington chickens. Address **F. E. MULLER, R. 4, Hamilton, Missouri.**

BIG POLAND CHINA HOGS. Limestone Farm Herd, Clarksville, Mo. M. Gottswiller, Prop., breeder of big Poland Hogs, Shropshire sheep, Buff Orpingtons and Single Comb Brown Leghorn chickens, Pekin and Indian Runner ducks and Chinese geese. Breeding stock for sale.

STRYKER BROS.' HERD POLAND CHINAS. The greatest show and breeding herd in the West. Write your wants and they will please you. Buy the best and make the most. They breed the kind that win; the kind that you want. Address **STRYKER BROS., Fredonia, Kan.**

DUROC JERSEYS

Purple Blood Durocs AT AUCTION

Garnett, Kans., Feb. 13, 1911

Daughters of Ohio Chief, Lincoln Wonder, Improver 2d, Fuller's Ohio Chief and their gilts go in this sale.

N. J. FULLER, GARNETT, KANS.

RIVER BEND HERD DUROCS. Headed by Fitch's Kant by Kant Be Beat and out of a son by Ohio Chief, one of the best individuals and breeders in the state. Let me know your wants. **W. T. FITCH, Minneapolis, Kansas.**

DUROCS RICH IN COL. BLOOD Headed by G. C.'s Kansas Col., mated with the greatest line of sows ever owned by one Kansas breeder. Stock for sale at all times. Bred sow sale Feb. 14. **CHAFIN & NORDSTROM, Green, Kansas.**

ANDERSON HIGH CLASS DUROCS. Choice lot of fall pigs of the best of breeding for sale at very reasonable prices. For low prices on good stock, address **C. O. ANDERSON, Manhattan, Kansas.**

JEWELL COUNTY HERD. Headed by Bonney K. 74075, all prominent blood lines represented. Sow sale Feb. 1, 1911. **W. E. MONASMITH, Formosa, Kansas.**

SPRING BOARS AND GILTS. Best of breeding and top quality. Some early spring boars—good, strong, growthy fellows—will be priced right. By such boars as Agra Top Notcher, Paul Jumbo, Bonney K. and I Am a Bonney K.; also gilts of equal breeding, quality and size, priced right. Address **W. C. WHITNEY, Agra, Kansas.**

SPRINGBANK DUROC JERSEYS. Headed by W. H.'s Col., first prize junior yearling boar Hutchinson State Fair, 1908, assisted by Chief Orion, third prize aged boar. Sow Sale—Ten tried sows by Chief Orion bred to W. H.'s Col. Come and see them. **W. H. WILLIAMSON, Raymond, Kansas.**

R. & S. FARM 150 Spring Pigs, sired by King of Kant Be Beat No. 38333 and Golden Ruler No. 80555. Write your wants. Bred sow sale Feb. 3, 1911. **BINEHART & SON, Smith Center, Kansas.**

Greenwood Herd Durocs FOR SALE—Choice lot tried sows and gilts, sired by Dandy Duke and Tatarsax Model, bred to Model Duroc, Greenwood Chief and Chief Orion. All guaranteed; prices \$30 to \$50. If you want good hogs write me. **R. D. MARTIN & SONS, Eureka, Kansas.**

BRED SOW SALE March 5, 12 tried sows and 38 choice gilts to sell. Send for catalog. **L. C. WOOLEN & SON, Breeders of Thoroughbred Duroc Jersey Hogs, Stanberry, Mo.**

DUROC JERSEY BOARS a few good ones for quick sale by a good son of King of Col 2d, also bred sows and gilts. Three choice Jersey bulls and few cows and heifers. **S. S. SMITH, Clay Center, Kansas.**

40-DUROC GILTS—40 All sired by Helen's Wonder (a son of Red Wonder and Helen Blazes 21st and S. D.'s Inventor (a son of Inventor)). Many of these gilts are out of May Boy sows. They are bred for early March and April farrow to one of the above mentioned boars or Crimson Model, a fancy son of Nebraska Wonder. They combine quality and scale and will please. **J. F. STODDER, Burden, Cowley County, Kansas.**

WOODLAWN DUROC JERSEYS. Headed by Woodlawn Prince 53343. Sows of Ohio Chief, Orion, Topnotcher and other good families. Choice yearling gilts for sale, bred for March and April farrow. Also a few open gilts. **GOV. H. OTT & BRO., Concordia, Kan.**

DUROC JERSEYS BOTH SEX. Fairly priced. Write your wants. Bred sow sale February 24. Write at once for catalog. **FRANK VRTISKE, Pawnee City, Neb.**

HOTEL GREENWOOD HERD. Headed by Stith's Commodore by Top Commodore. Bred sows and gilts for sale; 200 head in herd. A choice lot of fall boars and gilts. **CHAS. STITH, Eureka, Kan.**

CROW'S DUROC JERSEYS. Herd headed by Climax Wonder, he by Missouri Wonder. 100 head to select from. Prices reasonable. The electric car runs within three blocks of my farm. Come and see my herd at any time. **W. R. CROW, Hutchinson, Kansas.**

CEDAR LAWN HERD. Twenty boars for sale by Long Wonder 21867 and Lincoln Chief 31913, a son of Chief Tatarsax. Will also offer some spring gilts at reasonable prices by such dams as Josie Surprise, Bessie Advance, Froud Queen by Ohio Chief. **F. M. BUCHHEIM, Lecompton, Kansas.**

CHOICE DUROC BOARS FOR SALE. Good individual descendants of Orion, Valley Chief, Farmer Burns, etc. Reasonable prices. **O A. TILLER, Pawnee City, Nebraska.**

SAMUELSON BROS.' DUROCS. Fifty spring boars for sale, the pick of 300 head of spring pigs, sired by 10 different sires; good, growthy fellows; heavy bone; the best of color; good quality. We can suit you in blood lines and quality. Our price right. Come and see or write us. **Samuelson Bros., Cleburne, Kan.**

OHIO IMPROVED CHESTERS

MOSSE OF KANSAS Kansas Herd of Improved Chester Whites. Grand Champion Sow Kansas State Fair. **ARTHUR MOSSE, R. D. 3, Leavenworth, Kansas.**

MAPLE LEAF O. I. C's. The best blood lines represented in this herd. When in need of quality write. **R. W. GAGE, R. D. 5, Garnett, Kansas.**

BERKSHIRES

LARGE ENGLISH BERKSHIRES Breeding Stock for Sale. **H. U. McCURDY & CO., Hutchinson, Kansas.**

SALE TAGS Hog rings, rubber stamps, seals, stencils, etc. Get free samples and catalog. **DARLING CO., Topeka, Kan.**

G. M. Scott, owner of Quiet Glen Stock Farm, Route 2, Rea, Mo., announces 35 head of his big boned, highly finished jacks for sale. His advertising card appears in another column and it will pay to get next to his proposition. He has the right kind and has made attractive prices on them. Please tell him what the Kansas Farmer said about his jacks when you write.

Frank Iams' Grand Stallions



and mares are "par excellence," ideal "peaches and cream" horses. His 1910 "special trainload" of imported horses were bought in Europe when "crops" were the "poorest in 20 years." "Big floods" and cold weather in July and August made horsemen throw all the "prize-winners" on the market. Iams was waiting there with "gold." He made "a killing." 80 of his 160 horses are "prize-winners." "Ikey buyers," get the benefit of "Iams' killing" by seeing his horse and you will sing "Iams' song."

Buy "Top-notchers" of Iams. He has "the goods" and "make 'em good." And "Big Ikey Horseman" "can't be lassoed and kept away from" IAMS' "Top-notchers." They are in the "pink of condition" like "rope strawberries"—Ready for a "good selling"—and all "positively be sold." Get on to "IAMS' money-saving game." IAMS' stallions ready for "spring business," Ikey Boy. Be the "early bird" they get the choice of IAMS' "Black Boys" and "Top-notchers." "Let your happy home," visit the "peaches and cream" stallion man and save \$1,000. Every day is "bargain day," a "horse show day" and day of "profit and pleasure" at IAMS' "Stallion and Mare Emporium," the largest in the United States. You will positively see more imported stallions and mares—"top-notchers," "medal-winners," "ribbon-grabbers," and every-day "business" horses—than at any "horse plant" in the United States, and double all others in Nebraska. IAMS backs up his "ad" and catalogue with a "\$500 bonus" (others do this) He gives six of the best banks in Nebraska for reference.

IAMS' 160 Kings and Queens of PERCHERONS & BELGIANS

are all "top-notchers." No International "tailends," no "auction stalls" or "peddlers' horses," but the best bunch of big-boned, big drafters quality and finish in the United States, and in the "pink of condition" IAMS is a "big fly in the ointment" in the "horse business." He "leads the pace for all competitors." IAMS "leads the procession," "Ikey Boy." Buy an imported stallion and two mares of IAMS, the horse man who "does things." Get into IAMS' Band Wagon; don't be "tracked" by any "hammer knockers." Ikey Boy, "waltz me around once again" and land me at IAMS' "four importing barns" and office, filled to the roof with big "black boys and girls" at bargain prices. IAMS is the only horseman that really has "the goods" advertised. 1911 promises to be the most prosperous year in history. Mr. "Stand Patter" "come on downtown." "Sing IAMS' song." "Peaches and Cream" horses of IAMS.

All the World Knows IAMS, the Big Horseman

He has a loving feeling for horse buyers. He sold 60 imported stallions and mares to "Iowa boys" in 1909, and 150 "top-notchers" the boys with brains in other states. IAMS sells \$4,000 imported stallions at \$1,000 and \$1,400 (some higher); imported mares in 1,700 to 2,400 pounds, at \$700 to \$1,000; many medal winners. IAMS sells the "wide-as-a-wagon" kind that don't need to be "peddled" put on the "auction block" to "catch suckers." IAMS is a horseman in a class by himself; he is selling more horses yearly. Ikey Boy don't be the lobster; "be the wise guy after all." Try IAMS, "peaches and cream" stallion man. He is the largest individual importer and breeder of Percherons and Belgians in the United States. IAMS has a "warm spot" in his heart for all stallion buyers.

He Saved \$300,000 to Stallion Buyers

In 1910 by selling stallions direct to the people, saving all middleman's profit. IAMS is an expert horseman. He knows the "top-notchers" and delights in selling first-class stallions at less money than any competitors. He is "pushin' and a-shovin'" high prices off the Christmas tree. He is "Johnny on the spot." He is selling more stallions than any ten men in the United States. He knows the "tricks" of the slick stallion salesman that are "pulling the wool" over the eyes of the honest farmers and selling them a \$1,200 stallion for \$3,000 and \$4,000. "Son Ikey" form your own "stallion company." Visit IAMS' "town of barns filled to the roof with big 'block boys,' the 'best ever'—'IAMS' kind." His 160 stallions and mares, two to six years old, weigh 1,700 to 2,500 pounds, 90 per cent black, 50 per cent ton horses, are a horse show better than "the International."

IAMS' 1911 Horse Catalogue is an "Eye Opener" (Just Out)

A "bunch of gold," the "book of books," to stallion and mare buyers. It is full of "wide-as-a-wagon drafters"—the real "peaches and cream" stallions shows largest imported stallions and mares in the United States, "true to life," and truths, facts, "business propositions," and 115 illustrations of the "tricks of stallion peddlers" and "auction block" salesmen. It is the finest, most elaborate, and original up-to-date book in the world. IAMS' twenty-eight years of successful business, importing and selling stallions, makes him a safe man to do business with. He sells stallions on honor. A man or lady can buy as cheap as a man and get a better horse of IAMS, the "square deal" horseman. If you visit him and don't find every statement in his advertisement or catalogue as represented, you can get the \$500 that he hangs up. IAMS guarantees to sell you a

Better Stallion at \$1000 and \$1,400

(Few higher) than are being sold to farmers' stock companies at \$2,500 and \$4,000; with 60 per cent breeding guarantee, with freight and fare paid by IAMS. He can furnish buyers \$1,500 insurance. You say, "why can IAMS sell better stallions at half the price of others?" IAMS buys and sells every stallion himself. He buys stallions by special trainload, 200 at a time. He speaks the languages, saving 20 per cent. He is not in the "stallion trust," saving \$300. He pays no "slick" salesman \$100 to \$1,000 to sell you a fourth-rate stallion. He has no two to ten partners to share profits with. He pays cash for his stallions, owns his farms, houses, barns, stocks and stallions.

He Sells Stallions by "Hot" Advertising

And having "the goods" to make every statement good. IAMS sells stallions so good that they do not need a "slick" peddler or the "auction block" to sell them. "Special prices" made at IAMS' barns only. IAMS WILL SAVE YOU \$1,000 in Commissions and middleman's profits. "Papa, dear," buy me a pair of imported mares of IAMS. They will raise me colts at six months old that will sell for \$500 and be good for twenty years." IAMS has the kind that lay these "golden eggs." Don't let one of these "auction men" "hand you a lemon" with one of these so-called American full bloods with questionable breeding.

IAMS' "Selling Clothes" Fit All Buyers

Write for IAMS' million-dollar horse catalogue. IAMS' guarantee is backed by one-half million dollars. References: Omaha National Bank and First National, Omaha; Citizen's National, St. Paul State Bank and First State Bank, St. Paul, Nebraska; and Packers' National Bank, South Omaha. IAMS buys big page ads, because it is cheaper and more reliable than the big flannel-mouth horse salesman.

ST. PAUL, NEBRASKA

SMITH & SONS Annual Bred Sow Sale

The Big Useful Kind at Superior, Neb.

Thursday, February 9th

50--HEAD--50

Offering will consist of 5 tried sows, 8 fall yearlings and 37 large, growthy spring gilts of the Smith kind. The offering will be sired by Smith's Big Hadley and Jumbo Jr. about equally, 2 by Medium and 3 by Big Quality. Are bred to Smith's Big Hadley, Jumbo Jr. and Big Sam, our new herd boar from the herd of Thos. Shattuck and one he says is one of the very best he ever raised. Sows and gilts have had the run of the farm and have been fed with an eye to future usefulness. Our own sows have run with our sale hogs. The offering is chuck full of size and quality. It would be a pleasure to us to have you come sale day and look them over. We will risk your verdict. Catalogs are ready. If unable to attend send bids to R. G. Sollenbarger in our care.

Will also sell 3 yearling Shorthorn bulls which are good ones.

Attend T. J. Charles' sale day before at Republic, Kan.

JOHN BRENNEN, AUCTIONEER.

Albert Smith & Sons
SUPERIOR, NEBRASKA

7th Annual Sale Poland Chinas

Valley Point Stock Farm

TUDOR J. CHARLES

2 Miles West of Republic City, Kansas

Wednesday, February 8th

Offering will consist of 3 tried sows by Expansion, Expansion See and Eureka, 27 fall gilts are by Eureka, Mammoth Hadley and Bill Expansion, 10 spring gilts by Hadley Leader, he by Smith's Big Hadley, and 4 summer boars by Hadley Leader and Eureka out of Expansion and Smith's Big Hadley bred sows. The sows and gilts are bred to Hadley Leader and Monarch by Eureka. The offering is not loaded with fat but are in condition to do the buyers good. They have been handled and fed with that point in view. Will also offer 2 yearling Shorthorn bulls, one of which is exceptionally good, both red. If unable to attend send for catalog, which is ready, and mail your bids to R. G. Sollenbarger in my care.

JOHN BRENNEN, AUCTIONEER

Tudor J. Charles
REPUBLIC, KANSAS

125 Registered Holstein Friesians at Auction at South Omaha, Neb. Tuesday and Wednesday, Feb. 7-8, 1911

25 BULLS from 1 month to 2 years old, including grandsons of Hengerveld De Kol, King Segisand and other great bulls, and 10 sons of King Hengerveld, the only son of Hengerveld De Kol, out of a dam with a record of better than 31 pounds.

50 COWS from 4 to 8 years old, all bred to good bulls and a lot of them with big A. R. O. records, or just fresh with large square udders, and the kind that milk the year round.

35 HEIFERS 1 to 4 years old, mostly bred to calve in the spring and summer.

15 HEIFER CALVES all sired by good bulls, and out of heavy milking dams.

In all, positively the best bred lot of Holstein cattle ever sold at auction in the central west. Every animal over 6 months old is tuberculin tested. Catalogue will be sent only on application, to

ROCK BROOK FARM, Sta. B, Omaha, Neb.

Combination Sale of Horses

WE will hold a Combination Public Sale of Horses at the Fair Grounds on February 23 and 24, 1911. This sale will consist of pure bred and grade Draft and Coach Horses, Jacks, Mules and some light weight horses. If you have one or more head to sell, consign them to this sale. All stock catalogued. Charges very reasonable. Entries close February 7, 1911.

A special sale of standard-bred, race and road horses will be held by this company next April. Get your horses ready. For entry blanks, terms, etc., see or write

Kansas Public Sale Company
O. P. UPDEGRAFF, Manager 29 Columbia Bldg. TOPEKA, KANSAS



Percherons and Belgians

Our barns are full of the best Stallions and Mares we could buy in the old country; from 1 to 6 years old with plenty of size and quality. We pay no auctioneers or commission, but sell direct at prices that will interest you. A 60 per cent guarantee with every horse. Can show between trains.

Skoog, Reed & De Cow

Holdrege, Nebraska



Limestone Valley Farm

—Headquarters for high class jacks and jennets. No public sale 1911, but have a barn full of good jacks and a pasture full of good jennets at private sale. Every animal a good one, fully guaranteed and well worth the price.

COME AND SEE US.
L. M. MONSEES & SONS.
Smithton, Mo., Pettis Co.



Percherons Belgians and Shires

Also Shetland Ponies.

Will have a good importation of stallions of the breeds mentioned Jan. 1. Now offering special bargains in mares to make room. Call on or write Joseph M. Nolan, Paola, Kan., 40 miles south of K. C. Please mention the Kansas Farmer.

Percheron Stallions

I have as fine a bunch of stallions as you will find. I have the ton size, and 1,700 to 1,800 pound two year olds, with worlds of bone and great action. My prices are right and my horses are right.

Yours for home grown Percherons,
J. W. BARNHART, Butler, Mo.



ROBISON'S PERCHERONS

For sale now, 100 head of stallions, mares and colts, of all ages. All stock recorded in Percheron Society of America.

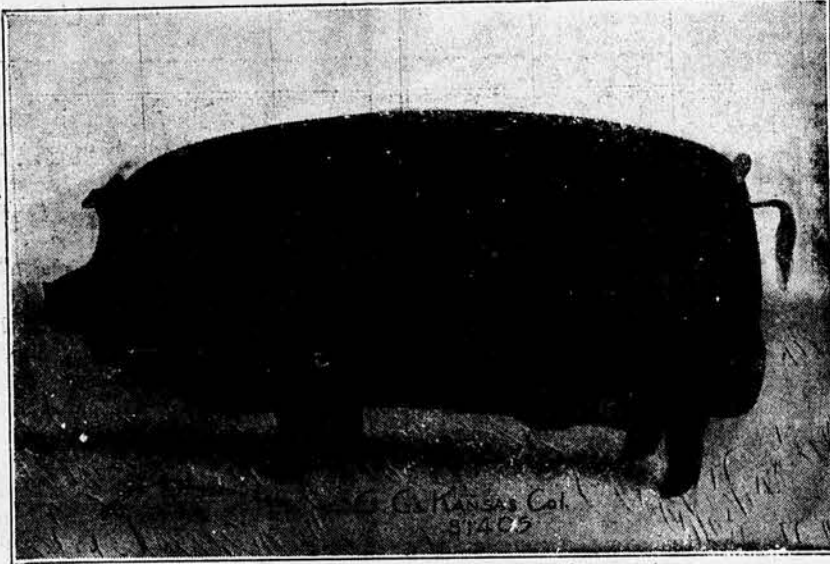
ADDRESS BOX C,
J. C. ROBISON, Towanda, Kan.

THE GREAT COLONEL AND LINE BRED COLONEL BRED SOW SALE OF THE SEASON

AT CLAY CENTER, KANSAS, TUESDAY, FEBRUARY 14th

50 HEAD OF TOPS, BRED FOR MARCH AND APRIL FARROW TO G. C.'s KANSAS COLONEL AND KINGS COLONEL 10289, BY KING OF COLONELS 2nd, DAM BY W. L. A's CHOICE GOODS, SECOND DAM BY CHIEFS COLONEL

15 tried sows, daughter of Model Chief Again, King of Colonels, King of Colonels 2nd, W. L. A's Choice Goods, and other noted sires and out of dams purchased at long prices out of the best herds in the East.



15 Fall Yearling Gilts, all by the great line bred boar G. C.'s Kansas Colonel. They are out of richly bred dams and are just the type for great breed sows.

20 spring gilts selected for this occasion, sired by G. C.'s Kansas Col., King of Cols. 2d and G. C.'s Col, three of the greatest living Col. boars. The family record of the Cols. is interesting reading. Winners in the greatest shows in America. The best sellers in the best sales in the United States. The greatest backs and the most uniform type of any Duroc family now in existence. It is hard to make individual comment on this offering owing to the fact that there is so little difference both in blood lines and type. Ask for catalog. It gives all necessary information. Sealed bids may be sent to Jesse Johnson in our care at Clay Center. Kansas breeders will find free entertainment at Bonham hotel.

AUCTIONEERS—JAS. T. McCULLOCH, FRANK ZAUN.

CHAPIN & NORDSTROM, GREEN, KANSAS

PURE SCOTCH AND SCOTCH TOPPED SHORT HORNS AT AUCTION

TUESDAY, FEBRUARY 21st

AT FARM FOUR MILES EAST OF CLAY CENTER, KANSAS

35 Head Choice Individuals

EVERY ONE A GOOD ONE WITH PEDIGREES TO MATCH

9 red, blocky, sappy bulls in age from 10 to 17 months, 5 by Scottish Archer, 4 by the great Lord Marr. A number are out of Red Knight cows, all have several Scotch tops and include the pure Scotch September yearling, Orange Lord, full brother to the bull that topped F. M. Gifford's last year's sale. His dam is an Orange Blossom cow and one of the best breeding and milk giving cows in the herd. The bull shown successfully the past season at local fairs is also included. He is a son of Lord Marr and his dam was a Red Knight cow.

The cows that will be bred and nearly all of the heifers will be in calf to my new herd bull, Whirlwind 334380, one of the very best sons of Captain Archer. His dam was a Butterfly cow by Orange Godoy.

16 cows with calves at foot, part of them rebred, 9 two year old heifers all in calf. Of the 16 cows 5 are pure Scotch and include Butterfly 13th, a most excellent cow with a rich pedigree. She will be sold with a Lord Marr bull calf at foot that will make a bull good enough to head any herd; Secret of Prairiedale with twin calves at foot; Violet Butterfly, a very large cow and good individual; an Orange Blossom cow, a Butterfly and a Secret heifer are real attractions; 3 daughters of the great old bull, Red Knight, two of them with calves at foot. The two year old heifers are daughters of Lord Marr and Scottish Archer. They are very uniform and not a poor one in the lot.

Last summer I purchased F. M. Gifford's entire herd consisting of 39 head, a bunch of reserve breeding cows and heifers that he had up to that time refused to price. 50 per cent of this offering are animals included in that purchase. This is my first public sale and I am trying to put up an offering that will be appreciated and make friends for the herd in years to come. The offering is uniform, excellent colors and the cows are splendid milkers. It has always been our plan to dispose of the shy milkers. The past season we made the circuit of the best county fairs in northern Kansas and have a nice lot of good winnings to our credit. You are invited to attend the sale either as a buyer or visitor. Catalogs mailed upon application. Free transportation to and from farm.

S. B. AMCOATS, CLAY CENTER, KANSAS

Jesse Johnson, fieldman for Kansas Farmer.

AUCTIONEERS—JAS. T. McCULLOCH, H. R. LITTLE

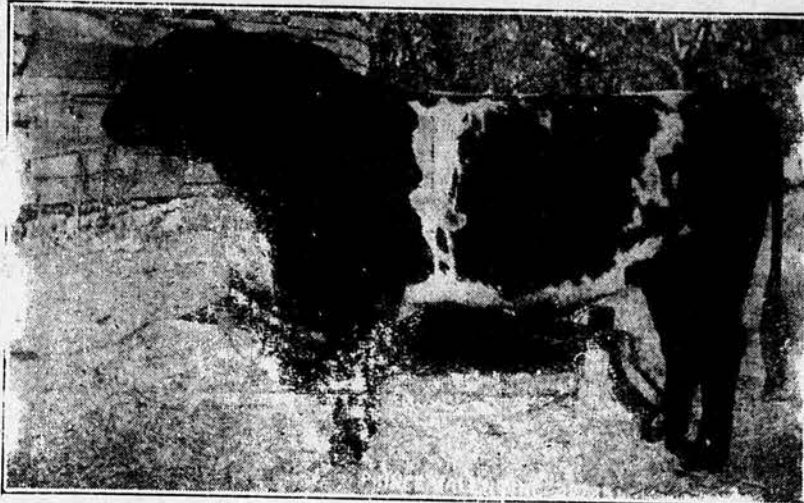
Pelphrey Bros. Short Horn Sale

Humboldt, Kansas, February 13, 1911

WE WILL SELL OUR ENTIRE HERD OF SCOTCH SHORT HORNS INCLUDING OUR GREAT HERD BULL PRINCE VALENTINE BY PRINCE POVONIA

50 head of choice young cows and heifers. All have calves at foot or bred to drop calves in early spring. We are selling these cattle on account of changing location. They are all in fine condition and are sure money makers. We give a partial list:

Lady Archer by George Archer, Princess Charming by Prince Pavonia, Cream Pie by Ingle Lad, Princess May by Prince Imperial 2d, Crocus by Waverly out of Crocus by Colden Crown, Princess Agatha by Prince Pavonia, Ingle's Brises by Ingle Lad, Beauty by Idlewild Baron, one roan heifer by Maron Marr, one young bull by Searchlight, two good



PRINCE VALENTINE

cows bred to Searchlight. Many of the cows are bred to Prince Valentine. The cows and heifers are from the best herds in Kansas such as S. C. Hanna, H. M. Hill, C. S. Nevius, H. E. Hayes and other good breeding herds. We are selling all our cattle and want farmers and breeders to come to our sale. We have a clean lot of well bred cattle and they will make money for any one who will take care of them.

Send for catalog and come to sale. Remember the date, February 13, 1911. Sale will be held in heated sale pavilion in town. For catalog, write

H. F. Pelphrey & Son OR J. W. Pelphrey & Son

HUMBOLDT, KANSAS

CHANUTE, KANSAS

Auctioneers—R. L. HARRIMAN, JAS. W. SPARKS

Duroc Jersey Bred Sow Sale

At Lecompton, Kansas, February 13, 1911

40 head of Choice Duroc sows and large growthy gilts, 10 tried sows, 30 spring gilts, all bred for March and April farrow to Lincoln Chief, a son of Chief Tatarax and Cedar Long Wonder by Long Wonder. I am selling 10 head of my very best brood sows and the 30 spring gilts are the pick from my herd as follows: 1 by Bell's Top Model, 1 by Col. S., 1 by B. F. S. Ohio Chief, 1 by W. L. A.'s Choice Goods, 1 by Lincoln Top, 1 by Missouri Wonder, 1 by Neosho's Red Chief, 1 by Surprise 3d, 1 by D. Kant Be Beat, 1 by G. M. S. Col., 9 Long Wonder gilts, 5 Lincoln Chief gilts, and other good breeding. Send for catalog and arrange to attend my sale. All trains met at Lecompton, Kan., and free conveyance to farm. We guarantee a good clean offering. If you cannot come send bids to O. W. Devine, who will represent Kansas Farmer at my sale.

F. M. BUCHHEIM

LECOMPTON, KANSAS

F. J. ZAUN, Auctioneer, Independence, Missouri

Miller & Manderscheid Poland China Sale

At St. John, Kansas, Saturday, February 18, 1911. 50 Head Choice Brood Sows and Gilts



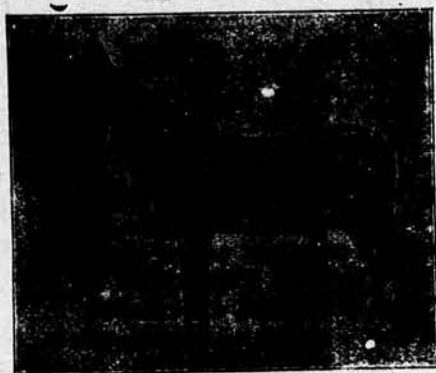
More size, more rich breeding than we ever sold. Such sows as On's Day Dream, Miss Keep On, Miss Daisy by Meddler, Miss On by On and On, 2 Roll in Line sows—Impudence dam, 7 Prince Meddler gilts, 4 gilts out of Edge Lady by Spellbinder, 1 Meddler gilt, 2 Peerless Perfection sows bred to King Darkness, 2 Ideal Keep On gilts. Most all will be bred to King Darkness. 1 Impudence sow, 2 Prince Meddler gilts out of a Chief Keep On dam, 2 Prince Meddler gilts out of Peerless Perfection dam, 5 gilts by On the Spot, 3 by Roll in Line, 1 sow by Meddler 2d, 1 tried sow by On the Spot, 1 choice gilt by King Blain and several other good sows. We are selling some of our best sows and gilts that are considered by breeders and field men who are familiar with them as probably the best collection of sows and gilts of strictly fancy type ever put through a sale ring in this part of the country. We are selling the very best we have and we are not selling them for any fault but to reduce our herds. Our catalog is now ready to mail out. Get your name on our list. Don't wait to receive it but write today for it. Kindly mention Kansas Farmer when you write. Remember the date, February 18, and come to our sale. We guarantee a good offering. Send bids to auctioneers or O. W. Devine, representing Kansas Farmer, who will treat you right. We prefer you to come and be with us. For catalogs address



MILLER & MANDERSCHIED

ST. JOHN, KANSAS

CLOSING OUT SALE OF JACKS - JENNETS - PERCHERONS



February 16, 1911

AT

FAIR VIEW STOCK FARM
Sedalia, Missouri



20

JACKS, from colts to 7 years.
All Mature Jacks 15 hands high
and over.

10

JENNETS, from Colts up.
All are in foal to our Grand Cham-
pion Tennessee King.

9 PERCHERON MARES - 3 PERCHERON STALLIONS
All Registered All Good Ones

This is an Absolute **DISPERSION SALE** We are Leaving State

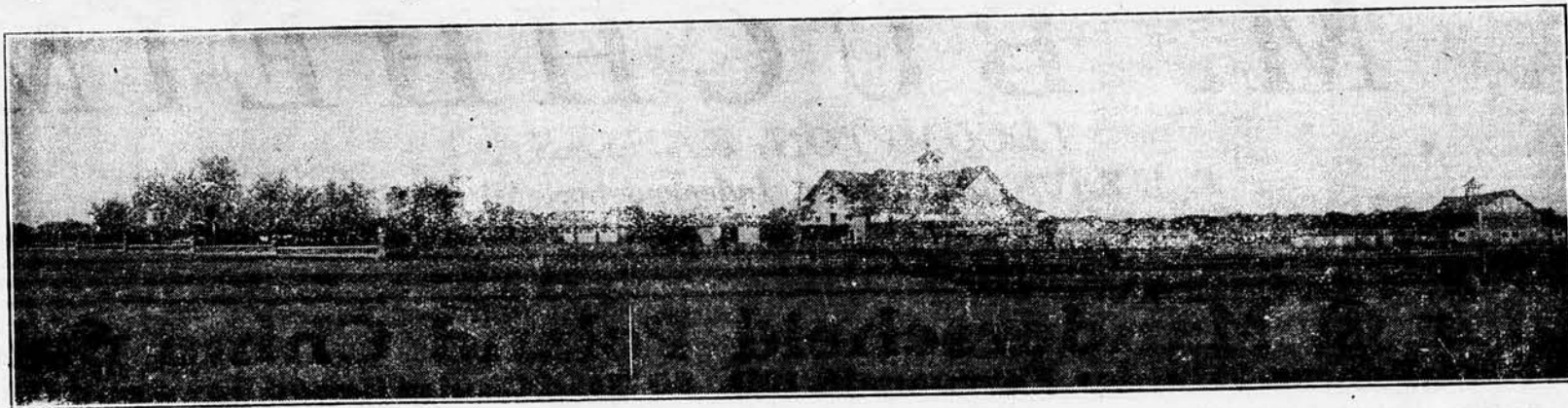
PETTY BROS.,

Sedalia, Missouri

SEND FOR CATALOGUE

ROBISON'S PERCHERON SALE

60 Registered Percheron Stallions, Mares and Colts **60**
At Auction, at the Whitewater Falls Stock Farm,
TOWANDA, KANSAS, FEBRUARY 14, 1911



25 Registered Stallions, Imported and American Bred, Herd Headers. 25 Registered Mares, Imported and American Bred. 10 Weanling and Yearling Colts.

PRIZE WINNERS!

This sale will include the best lot of young Mares ever offered for sale from this farm. Mares bred to Casino, the greatest prize winning Percheron Stallion living.

At Sale Pavilion on the Farm.

This sale is the third sale held at the farm and will be held in the new \$5,000 Sale Pavilion.

AUCTIONEERS—R. L. HARRIMAN, JAS. W. SPARKS, L. E. FIFE, W. M. ARNOLD.

Oldest Percheron Breeding Farm in Kansas.
Four miles northwest of Towanda, Kansas, on the Missouri Pacific Railroad.
Stallions all guaranteed breeders.
Stock loaded on cars free of charge.
Address for catalogue,

J. C. ROBISON.
TOWANDA, KANSAS

BOWSER'S

Big Type Poland China Bred
SOW SALE

At Farm 8 Miles North of Abilene, Kansas

Friday, February 10, 1911

12 Tried Sows 2 Fall Yearlings
35 Spring Gilts

50 head of the type that the best breeders and successful feeders are looking for. Bred for March and April farrow to Bell Metal M. by Bell Metal and Hadley Wonder by Knox All Hadley, a pair of as good big type boars as can be found in any one herd in Kansas. Both have a long line of big ancestors and were selected out of the best herds in the west. The sows that go in are sows that have made good in my herd and are still young. They combine size and smoothness. Among them are daughters of Prince by Stylish Perfection, Success by Grand Success by Grand Chief 41771. The gilts are the tops from a large number raised the past season. They were sired by the boars Success and Bell Metal M. Several out of the good sow, Mabel by Osborne's Perfection. I am feeding them as they should be fed and will show you a good, useful offering sale day. Free transportation to farm from Abilene and Talmage. Free entertainment at either place. Catalogs ready. Write for one.

AUCTIONEERS—W. C. CURPHEY, H. R. LITTLE.
FIELDMAN—JESSE JOHNSON. Send any bids to him.

J. E. BOWSER

ABILENE, KANSAS

TILLER'S

Great Duroc
Jersey Bred

SOWS

At AUCTION

In Pawnee City, Neb., Wed., Feb. 8, 1911

35 HEAD

4 Tried Sows! 14 Fall Yearlings!
17 Spring Gilts!

All bred for last of February, March and April farrow to my herd boars, Tom Davis 42009, Chief's Valley by Valley Chief, and Prince Wonder Col. by Ohio Col., winner of first and championship at Kansas State Fair this year. As attractions I am including the great sow, Elleree, winner of first at Nebraska and Iowa State Fairs and third at St. Louis World's Fair in 1904. She is in pig and will produce another great litter by Tom Davis. Grandview Bell by Crimson Dandy is another great sow, closely related on dam's side to old Ohio Chief. Choice Girl by Bell's Chief 4th he by Bell's Chief, dam by W. L. A.'s Choice Goods, and Crimson Bell by Crimson Monarch, dam by Morrison's Bell Top, a son of Nebraska Bell. The gilts are a very choice lot out of such great sows as we are mentioning and sired by such boars as Tom Davis, Crimson Monarch, etc. I have always bought good ones and tried to select the blood lines that seemed to be giving the best results. I think the offering is a good one and every breeder and farmer in the west are invited. Catalogs are ready for distribution and will be sent upon request, and if you see something that interests you and can't be present send a bid to Jesse Johnson in my care.

AUCTIONEERS—L. W. LEONARD AND SONS.

O. A. Tiller

Pawnee City, Nebraska

Samuelson Bros. Annual Duroc Jersey Bred Sow Sale

Cleburne, Kans., Thurs., Feb. 9, 1911

54 HEAD

10 Tried Sows

sired by Rollin J.
by White House King.
by Bell's Chief 2d.
by Bold Boy.
by G. C.'s Col.
by T. B.'s Chief.

44 Spring Gilts

2 by Rose Top Notcher.
1 by E.'s Tip Top Notcher.
1 by Model Chief Again.
1 by Choice Goods' I Am.
1 by You Bet.
1 by Blue Valley Boy.
1 by Lincoln Top.

Bred for Early Farrow to

White House King, Bell's Chief 2d, Shepherd's 1910 Top, Duroc Col., Timber City Col., New Model.
40 due to farrow in March, 14 due to farrow in April.

This is our annual bred sow sale and the best offering we have ever been able to put up for public approval. The tried sows are all good individuals. They have made us money and are not being sold for any price. We are willing to divide the good ones with our customers. Very prolific the past season. We raised 123 pigs from 157 farrowed out of sows. Among the gilts are several of outstanding individuality and a bad one in the entire offering. Write for catalog and plan to attend this sale.

Free transportation from Cleburne and Olsburg to our farm.
Send bids to Jesse Johnson or Leon Carter in our care at Cleburne.

AUCTIONEERS—L. R. BRADY, JAS. T. McCULLOCH.

Samuelson Bros.

CLEBURNE, KANSAS

Graner's Strictly Big Type Poland China Bred Sow Sale

At Farm Two Miles From Town

Thursday, February 9

In heated pavilion where every one will be made comfortable.
50 head in all consisting of 9 tried sows, 3 fall yearlings, 29 selected spring gilts and 9 choice August boars.

Sows and gilts bred for March and April farrow to my herd boars, Guy's Monarch 51415, Colossus Boy 56709, Col. Thomas 57055, and Kansas Victor 57053.

TRIED SOWS—include Prima Bell by Bell Metal, one of the very best sows in Kansas which we are putting in believing that she will be appreciated, Miss Josephine 2d by Neb. King, Lady Blain 3d, and others that have been and are still the very best things in the herd.

GILTS are partly of my own raising, a big per cent of them by the great Guy's Monarch, and many that I selected at sales held by the very best breeders in Kansas and Nebraska last fall. A fall gilt by Guy's Monarch and out of a First Quality dam is I believe the best fall gilt I ever saw put into a sale. Among the spring gilts are a pair sired by Colossus and out of the great sow, Prima Bell. The young boars include a litter of five farrowed in August sired by Guy's Monarch and out of the 700 pound Prima Dona.

I believe this offering contains as much good blood and as many outstanding individuals as will be seen in any one sale this year. Every hog man in Kansas and adjoining states invited. Write for catalog and if unable to attend send sealed buying instructions to Jesse Johnson in my care.

AUCTIONEERS—JAS. W. SPARKS, JOHN DAUM, HOHENSTEIN BROS.

H. C. Graner

Lancaster, Kansas

LAMER THE IMPORTER

50 head of Imported Percheron
and Belgian Stallions and Mares
for sale at "Let Live Prices."
Write for catalog. Prices right.

C. W. LAMER, SALINA, KANSAS

IMPORTERS AND BREEDERS,

Percherons, Shires and Belgians

75-HEAD MARES AND STALLIONS-75

We won more prizes at Kansas State Fair than any one exhibitor, which proves the quality of our horses. Just one word with you, Mr. Buyer: If you will come and inspect our horses and if you don't say that we have as good a bunch as you ever inspected, and our prices the lowest, considering quality, we will be glad to pay your expenses. Write or come and see us before buying elsewhere, for we will save you money.

L. R. WILEY & SONS
ELMDALE, CHASE CO., KANSAS.



PERCHERON MARES

Weanlings to 4 years in matched teams, including the Kansas State Fair and American Royal champions, all registered or can be registered in Percheron Society of America. Good clean lot of heavy bone mares and bred to the champion stallion of Kansas State Fair at Hutchinson, 1910. Come and see me.

F. D. WEBB, Sterling, Kan.



W. F. HOUX'S Big Type Poland China Bred Sow Sale

Will be held at Dixon's barn at

HALE, MO.,
Saturday, Feb. 11,

Thirty head of the big kind, 12 yearling sows and 18 spring gilts will be sold, most of the gilts sired by Wonderlook 56255, a son of Old Grand Look 38305, and are bred to Spotted Chief 2d 55692, sired by Missouri Sunflower 49513. He is the right kind, smooth, spotted, lengthy and not high off the ground.

The yearling sows are sired by Bedford and he by Big Ex. 6083, and are bred to Wonderlook. If you want the big kind you can get them at this sale.

W. F. HOUX, Hale, Mo.,

AUCTIONEER—COL. A. W. CEIS.

AVONDALE STUD FARM—CLYDESDALES LARGEST IMPORTER AND BREEDER OF CLYDESDALES IN U. S.

Our winnings at the State Fair, including the Grand Champion Stallion of the International, 1910, is our best advertisement. Those wanting stallions or mares should write for catalog or visit the farm. To make room for other importations in February, we will make a special discount for next 30 days. We are 40 miles west of Peoria on the C. R. I. & P. Ry. JOHN LEITCH, Proprietor, La Fayette, Ill.

LAKEWOOD FARM

The Greatest Breeding Establishment in the World

Our Percheron winnings at the recent Chicago International, which is conceded to have been the greatest Percheron Show ever held in the world, has never been equalled before.

At this great show, we won:

CHAMPION STALLION, showing four of his get (CALYPSO)
CHAMPION AMERICAN BRED STALLION
RESERVE CHAMPION AMERICAN BRED STALLION
CHAMPION MARE
CHAMPION AMERICAN BRED MARE

Also TWENTY-FIVE other prizes. All of these CHAMPIONS were sired by the world's famous CALYPSO.

LAKEWOOD FARM IS HEADQUARTERS FOR THE BEST, and our prices are reasonable. Send for illustrated catalog.

H. G. McMILLAN & SONS, Props.

Rock Rapids, Iowa

HOMEWOOD STOCK FARM

IMPORTERS AND BREEDERS OF

Percheron Belgian Shire Stallions and Mares

NOTICE TO PROSPECTIVE BUYERS:

For the benefit and convenience of our Western trade, we have established a permanent branch barn at Abilene. Prospective buyers are cordially invited to inspect our stock here, and if you don't find just what you are looking for, we will be pleased to accompany you to the home barn at Homewood, Ill., where we can show you 100 head of big, drafty Stallions and Mares with plenty of bone and quality. Every horse guaranteed sound and a satisfactory breeder. Prospective buyers should see this stock before buying elsewhere. Third importation to arrive in ten days. Write us your wants, or better still, come and see us. Abilene is on the Rock Island, Santa Fe and U. P. railroads. Mention Kansas Farmer when writing.

Barns 2 Blocks North U. P. Depot. S. METZ & SONS ABILENE, KANSAS

PERCHERON IMPORTING CO. AT THE FOUR BEST SHOWS IN THE WEST WE WON:

12 times champion stallion any age.
6 times champion group of five stallions. 29 times first in stallion classes.
Champion Percheron stallion at Inter-State Fairs.
Champion Shire Kansas and Missouri State and Missouri State Fair.
Champion Belgian Kansas, Missouri and American Royal.
All our horses are imported. We sell as low as anyone on earth, quality considered. Our guarantee and insurance are the best.
PERCHERON IMPORTING CO., South St. Joseph, Mo.

W. H. RICHARDS, Importer PERCHERON AND BELGIAN HORSES.



A car load of extra good 2-year-old and 3-year-old stallions recently arrived. Come and see these magnificent horses before you buy a stallion. I will make you some eye-opening prices just now. Barns only four blocks from A., T. & S. F. depot.
EMPORIA, KAN. EASY TO GET THERE.

VALLEY SPRINGS PERCHERONS

IMPORTED AND HOME-BRED STALLIONS AND MARES.

The big, rugged kind, with heavy bones, fine style and good action. No better blood lines in America. Black Kentucky Jacks and Jennets, with size and quality.

O. P. HENDERSHOT,

Hebron, Neb.

C. S. NEVIUS POLAND CHINA SALE

My sixth annual bred sow sale on

February 11, 1911

50 head of the Designer and Major Look kind. 30 yearling and tried sows by Designer, Major Look, McDarst, Columbia Expansion. 20 spring gilts by same sire. A choice lot of sows bred to Designer, Major Look, Good Metal, Big Hadley's Model, and Orphan D. for early litters. This will be the best lot I ever sold at public auction. Send for my catalog and come to my sale. Bids sent to O. W. Devine representing Kansas Farmer will be carefully handled.

AUCTIONEERS—COLS. R. L. HARRIMAN, JOHN D. SNYDER, H. ROSENSTEIN

C. S. NEVIUS

CHILES, KANSAS

George M. Hull, at Garnett, Kan., sells Feb. 10, day before my sale.

**Smooth, Richly Bred
POLAND CHINA SOWS
AT AUCTION**

At farm 7 miles northwest of Abilene, Kansas

Monday, Feb. 20th, 1911

45 Head in All the Correct Type and Prolific

**10 Tried Sows 10 Spring Gilts
10 Fall Yearlings 5 Summer Boars**

Sows all bred for March and April farrow to Monarch, a son of Expansion. Gilts bred for early spring farrow to sons of Best Metal by Gold Metal. Their dam was by Grand Chief. Fall and spring gilts are daughters of Monarch. Among the tried sows are three daughters of Highland Chief Jr., 2 by Broadgauge by Grand Chief and out of Broad Ham Sallie. One daughter of Axline's Meddler 2d, 6 extra good ones by Stemwinder, one boar formerly heading C. M. Garver's herd. One by Best Metal, one the Nebraska first prize boar, stylish Perfection, and one by Missouri Deep On.

(Monarch for sale privately sale day.)

ANGUS BULLS

Also 7 choice Aberdeen Angus bulls in age from 18 to 24 months. Good individuals and sired by McDonald Lad, an International and American Royal prize winner.

A catalog of this sale has been issued and will be sent upon request. See entertainment at Depot Hotel in Abilene.

COLLINS & HANSEN

Abilene, Kansas

AUCTIONEERS—H. R. LITTLE, J. N. BURTON.
Jesse Johnson will represent Kansas Farmer. Send him bids.

**L. E. BOYLE'S
Duroc Bred Sow Sale
At Lindsay, Kansas
Friday, Feb'y 17, 1911**

**40 Head 20 TRIED SOWS 40 Head
 20 SPRING GILTS**

They are sired by Woodland Orion, Fancy Chief by Ohio Chief, Fancy Improver, Fancy Top Notcher, Beauties Wonder, L. E.'s Wonder, Pearl K. by Bonney K. They are bred to our herd boars.

L. E.'s wonder, he sired by Wonder Chief by Ohio Chief, his dam also tracing to Ohio Chief. He is a strong hog, having the best heart, girth and back we ever saw, good on feet, plenty of bone, an easy feeder and good color. You will like his get that are in this sale.

L. E.'s Col., sired by B. & C.'s Col. and his dam by Inventor. Just look for a minute at this combination of breeding. Did you ever see so many champion hogs on one pedigree? A litter from this fellow will give you new blood that is good and will be in demand next year. B. & C.'s Col. is now living in Kansas and will be heard from.

Our catalogs are ready and we would be pleased to mail you one. Your presence will be appreciated at the sale but if you cannot attend make your selections and send your bids in my care to R. G. Sollenbarger and your instructions will be followed to the letter.

L. E. BOYLE

Lindsay, Kansas

W. T. Fitch sells at Minneapolis the day before; we are only 3 miles apart. The Parker House at Minneapolis will be headquarters for both sales.

**ANNUAL DUROC JERSEY
BRED SOW SALE**

FROM THE

RIVER BEND HERD OF

W. T. FITCH, MINNEAPOLIS, KANS.

Thursday, February 16—1911

35 head bred sows, yearlings and gilts. 10 tried sows will be offered by Fitch's Kant, Beauties Wonder, Top Notcher Chief, Pearl's Golden Rule, litter mate to the good boar, Golden Ruler. Better watch one.

25 yearlings and gilts sired by Fitch's Kant, Rosebud Chief, Beauties Wonder, River Bend Col.

The sows by Fitch's Kant are extra good and will make valuable brood sows for you. They are all bred to River Bend Col. About half the offspring is bred to Fitch's Kant, who is sired by Kant Be Beat and his dam Ohio Chief. He is proving to be an extra good breeder of large, use sows and boars. You can not afford to miss getting a litter from next year. Catalogs are ready and you should have one, which will be mailed on application, and if unable to attend sale send sealed bids in my care to G. R. Sollenbarger of this paper.

T. FITCH, MINNEAPOLIS, KANSAS.

AUCTIONEER—JOHN BRENNAN.

Leon Carter sells the day before at Ashville and L. E. Boyle the day after at Lindsay, Kan. Attend the circuit.

**Harter's Annual Big
Type Poland China
Bred Sow Sale :-:**

At Farm Near Town

Thursday, Feb. 16, 1911

50 head that are by far the best I have ever offered.
Comprising 10 tried sows, 10 fall yearlings and 30 spring gilts.

TRIED SOWS—Include Queen Pansy by Expansion, Silver Beauty by Silver Chief, Maud Perfection 3d by Captain Hutch, and Pretty Princess, a King Do Do sow.

FALL GILTS—Good individuals sired by Mogul's Monarch, Captain Hutch and Gold Metal.

SPRING GILTS—Sired by Mogul's Monarch, Captain Hutch, Colossus, Prince Hadley, Ross's Hadley, Defender and Big Bone Mouw.

The dams of fall and spring gilts are as good a line of sows as can be found in any herd in Kansas. Daughters of EXPANSION, PRINCE YOU TELL, SILVER CHIEF, MOGUL'S MONARCH, CAPTAIN HUTCH and other great boars.

Everything bred for March and April farrow to Mogul's Monarch, Captain Hutch and Blain's Sufficient, grandson of Blain's Wonder.

Write early for catalog. Free transportation from Blain and Fostoria.

J. H. Harter

Westmoreland, Kansas

AUCTIONEERS—JAS. W. SPARKS, JAS. T. McCULLOCH, W. H. TROSPER.

Send bids to Jesse Johnson representing Kansas Farmer.

WRIGHTWOOD SALE

**50
HEAD**

**THURSDAY, FEBRUARY 16th
POLAND CHINAS**

**50
HEAD**

**NOTED SIRES AS
KEEP ON PERFECTION, E. L.
HOME RUN 2nd, ON THE
PLUMB, SIR BREDWELL
CORRECTOR 2nd
CUTE SPECIAL**

C 40 BIG QUALITY SOWS AND GILTS, bred for March and April farrow. All good enough to suit anybody. 10 HIGH-CLASS OPEN GILTS and BOAR PIGS. Sale at farm in new pavilion. [Electric railroad service from Wichita every hour. O. W. DEVINE will handle all KANSAS FARMER bids.

**SOWS BRED TO
HOME RUN 2nd, SIR
BREDWELL, ON THE
PLUMB—THE THREE BEST
BOARS WE EVER OWNED**

**LAFE BURGER & JOHN A. SNYDER, AUCTIONEERS—SEND FOR CATALOGUE
A. P. WRIGHT, VALLEY CENTER, KANSAS**

Hull's Annual Brood Sow Sale

At Garnett, Kansas, Friday, February 10, 1911

50-Head of High-Class Bred Sows and Gilts-50

30 head spring gilts the best I raised, 20 head of my best brood sows and fall yearlings, consisting of such sows as Dude's Daisy by Tip Top Dude, Midnight 2d by Hadley Boy and out of old Midnight, 3 good sows by O. K. Price, Iola Garnett by Columbia Chief, Kansas Queen 4th by Nebraska King. 16 choice spring gilts by Hadley Boy. 10 spring gilts by William Garnett. The balance are by King Blain, Big Hadley, Erle King, Sheldon's Hadley, Taxpayer 2d, John Boy by Big John, Standard O K. and other boars of the large type breeding, and bred to Hadley Boy 48009, The Lion 55586, Kansas Hadley 57114, Bean's Wonder 57113, and Longfellow 58096. I guarantee a good offering. Send for a catalog and come to my sale. O. W. Devine will represent Kansas Farmer. Bids sent to him will be handled with care.

AUCTIONEERS—COLS. C. E. BEAN, H. HOHENSTEIN, A. J. DORSEY, JOHN RUDDISIL.

C. S. Nevius will sell at Chiles, Kan., February 11, the following day.

GEORGE M. HULL, GARNETT, KANSAS

Larson's Closing Out Hereford Cattle Sale Saturday, February 18th

At farm near Huron, 20 miles North-west of Atchison, Kansas,
35 miles West of St. Joseph.



Hesiod 54th 81362, Sire of a number of Good Cows in the Sale.

My entire herd of registered Hereford cattle, comprising 15 high class bulls in age from 8 to 20 months. 45 FEMALES: 28 of which are cows with calves at foot or in calf to the great bull, Beau Royal 199349, first prize bull at Denver show 1908; 6 two year old heifers and 11 yearlings. This herd was established fifteen years ago and every animal except four that goes in the sale was bred by me. Eight very choice cows are daughters of Hesiod 54th, a state fair winner. A dozen good ones by Romolusa, grandson of Beau Brummel and Druida, a Gudgell & Simpson bull of considerable note. Several daughters of Beau President, and several by Beau Mischieff by Beau Brummel. The offering is of a very uniform type and there will not be a poor animal offered. Every good family represented. Write for catalog giving complete information, breeding, etc.

JAMES. A. LARSON

EVEREST, KANSAS

FIELDMAN—JESSE JOHNSON.

AUCTIONEER—COL. GEO. BELLOWS.

WHITE BROS. DUROC SALE

At Buffalo, Kansas, Wed., Feb. 15, 1911

40--HEAD OF CHOICE BRED GILTS--40

We are selling the tops from 160 head of spring pigs, and the best blood lines we can buy. Mostly sired by Buffalo Chief by The Son or the Champion and out of Baby Wonder out of Doty. A large number of these gilts will be bred to Shamrock, our young herd boar, he by Duroc by Missouri Goldfinch, dam Lucy Wonder out of Lucy Climax, she by 2d Climax. These gilts are out of our best sows and the best lot we ever raised, from such sows as Lady Belle out of Savannah Bell. She is one of our good sows. Sweet Marie, dam Iowa Girl 3d, one of the best producing sows on the farm and a producer of show litters. Sweet Marie was the dam of Sweet Marie 2d, the champion gilt at Yates Center Fair this year. Cherry Girl 2d by Buffalo Chief. Maggie by Kansas Kant Be Beat. May Model 2d by a son of the champion. Her dam was by old Tip Top Notcher, and other good breeding. We guarantee a first class offering.

Send for a catalog and arrange to attend our sale. Remember the date, Wednesday, February 15, 1911, and Buffalo, Kansas, the place.

O. W. Devine will represent Kansas Farmer. Bids sent to him will be carefully handled.

AUCTIONEERS—J. W. SHEETS, Fredonia, Kan.; WILL MILLS, Yates Center, Kan.

WHITE BROS., BUFFALO, KANSAS

GOLDEN RULE FARM

LEON CARTER, Proprietor

Annual Duroc Bred Sow Sale

Wednesday, February 15, 1911

45 HEAD--ASHEVILLE, KANSAS--45 HEAD

The lot will consist of 14 tried sows by Lincoln Chief, McParker, Ohio Major, Major Sharon, Golden Rule Special and Echo's Best. 10 fall gilts by Golden Rule Special, 20 spring gilts by Golden Rule Special, Golden Rule Wonder, Chief Improver, Masterpiece Chief.

SPECIALS—One gilt sired by Masterpiece Chief, he by Model Chief, her dam by Seckman's Chief by Ohio Chief 2d by Ohio Chief. This gilt is bred to Dreamland Col.

Rosa Lee by Echo's Best and dam by Ohio Major by Kant Be Beat. This is one of the very best Duroc sows we ever saw. We challenge any one to beat her ham and loin, good in every other way, bred to Dreamland Col.

The sows and gilts in this sale are bred as follows to

OUR HERD BOARS.

Dreamland Col.—Sired by Waveland Col., he by Ohio Chief. Dam Lad's Goldie 40th by Tip Top Notcher. A long stretchy fellow, plenty of bone; will make an extra large hog. He is bred right. You need a sow bred to him.

L. C.'s Defender.—Sired by Defender, he by King of Cols. Dam by Educator by Ohio Chief. This hog is large and growthy and if you please is the most popular blood for next year. Sows bred to Defender in Browning & Pancake's sales in Illinois sold on an average of \$150. Get in the band wagon and get a sow bred to this fellow.

Golden Rule Wonder.—Sired by Chief's Wonder, he a son of Ohio Chief and grandson of Crimson Wonder. Golden Rule Wonder's dam was by Kant Be Beat.

Send for catalog now and if unable to attend send bids to R. G. Solenbarger in my care and same will be handled right.

Sale will be at farm adjoining town. Every one invited and welcome. Expecting to see you sale day I am, Yours for good Durocs,

LEON CARTER

ASHEVILLE, KANSAS

AUCTIONEER—JOHN BRENNAN.

W. T. Fitch, Minneapolis, Kan., sells next day.

PECKHAM'S BIG TYPE BIG LITTER

POLAND CHINA BRED SOW AUCTION

Wednesday, February 15th

AT FARM FIVE MILES FROM TOWN

45 head the kind that has made this section of Nebraska famous as a big hog territory. 5 tried sows and fall yearlings and 40 early farrowed gilts. Not a poor back or undersized one in the lot. All bred for March and April farrow to my herd boars, O. K. Chief, Looks Choice and my great young boar, Hadley Golddust. Nearly all of the spring gilts were sired by O. K. Chief and Look's Choice. There will be two sired by Blain's Last Hadley and out of the great sow, Tec. Golddust. A litter brother to these gilts topped my fall sale at \$80 and is now heading a good Kansas herd. The dams of the gilts are magnificent old sows, large, prolific and carrying the blood of the ones that have made this type popular. Among them daughters of King Do Do by Expansion, Blain's Tec., Johnson's Chief, Standard Tec., O. K. Price, etc. Among old sows that go into the sale are Flora B. by Sampson's Hadley, he by Big Hadley. I have selected only such as have done well as breeders for me. Among the gilts that go in are three of Standard Queen's litter of 13 and four extra good ones from the great Nan Patterson litter, also a litter of 13. If you like the great big, long, big litter kind I am sure you will be interested in this offering.

Catalogs sent upon application. If unable to attend send bids to Jesse Johnson in my care. Free transportation to and from town.

AUCTIONEERS—L. W. LEONARD AND SONS.

R. J. PECKHAM

PAWNEE CITY, NEBRASKA

PERCHERON HORSES AND POLAND CHINA BRED SOW AUCTION

IN SALE PAVILLION

Hiawatha, Kansas, Friday Feb. 17, 1911

One black Percheron draft stallion three years old Jan. 1, 1910, weight 2,000 pounds perfectly drafty and perfectly sound so pronounced by the veterinary that examined him.

One black Percheron stallion two years old April 1, 1910, weighs 1,650 pounds, perfectly sound.

One black Percheron stallion two years old May 1, 1910, perfectly sound, weight 1,600.

One dark steel grey Percheron mare four years old May 1, 1910, in foal, weight 1,700, sound and an excellent individual.

One dark steel grey gelding four years old, weight 1,750, a number one true draft horse.

All of these horses were sired by imported stallions and out of pure bred unrecorded mares.

POLAND CHINAS—45 head of the big type kind.

26 large, lengthy heavy boned spring gilts bred to four as good boars as were ever grown.

2 TRIED SOWS—Also bred for spring farrow.

20 FALL PIGS—Mostly gilts, weight about 125 pounds. The hogs have been fed for results and will prove good investments.

Parties from a distance should come day before if possible. Everything free but the stock. Write for catalog.

John D. Ziller, Hiawatha, Kans.

AUCTIONEER—JAS. W. SPARKS.
Jesse Johnson, Fieldman.

Carver & Son and Ellis Poland China Brood Sow Sale

At Guilford, Mo., Tuesday, Feb. 14

(Thirty miles north of St. Joseph)

10 Aged Sows and Fall Yearlings

40 Spring Gilts

Strictly the big type both in breeding and individuality. An opportunity to buy sows sired by or bred to Great Look 47659, who breeds more size and finish combined than any other half ton boar living. Daughters of Great Look bred to Capitol 53854, the great western champion of 1909, that weighed 635 pounds the day he was 1 year old. 25 extra good gilts are sired by Capitol 53854 and Gale's Surprise 57384 that are granddaughters of Great Look and Big Surprise 48274 and bred to Capitol 2d 58359 and Hadley's Special 58325.

Usual terms and accommodations. Sale under cover. Everything free but the hogs. W. J. Cody will represent Kansas Farmer. Bids may be sent to fieldmen or either auctioneer in our care.

For catalogs giving full particulars address either

E. E. Carver & Son Millard Ellis

Guilford, Mo.

AUCTIONEERS—COL. JAS. W. SPARKS, Marshall, Mo.; COL. W. D. GIBSON, King City, Mo.; COL. JULIUS KLAAS, Stanberry, Mo.

Edward D. Fuhrman & Sons

Third Annual Sale of Duroc-Jersey Hogs

OREGON, MISSOURI, FEBRUARY 14th

42 head of bred sows from Eureka Stock Farm will be sold at Howell's Barn in Oregon on the above date. Breeders and farmers will find this a choice lot of gilts. They are mostly by King of Oregon, the great son of Prince Wonder. We guarantee every sow as listed or as we state on sale day. The blood lines are the best. Send for catalog. Parties from a distance will be entertained at Woodland Hotel at our expense.

AUCTIONEERS—COL. A. W. CIES, Chillicothe, Mo.; COL. C. C. KIEL, Grinnell, Iowa.

W. J. Cody, Topeka, Fieldman for Kansas Farmer. Bids sent to any of the auctioneers or fieldmen in our care will be honorably treated.

Edward D. Fuhrman & Sons

EUREKA FARM, OREGON, MISSOURI

H. F. Pelphrey's Mammoth Bred Sow Sale

Humboldt, Kansas, February 20th

LARGE TYPE, WITH SIZE, QUALITY

And rich breeding. In this sale I will sell 50 head of large type Poland China sows and about 60 head fall pigs. I am selling my entire herd. My sows are the tops from many of the best sales held last winter. All my sows are bred early and are safe, and are a grand lot of sows, bred to Taxpayer 2d and other good boars. We are selling them on account of changing location. The fall pigs are the best we ever raised and will be just the right age to grow into money. Don't fail to send for a catalog and come to my sale. O. W. Devine will represent Kansas Farmer. If you can not come bids sent to him will be handled with care. For catalogs write

H. F. PELPHREY & SON, HUMBOLDT, KANSAS

AUCTIONEERS—R. L. HARRIMAN, JAS. W. SPARKS.

Short Horn and Poland China Sale

Kingman, Kansas, Thursday, February 23rd

7 Head of Registered Short Horn Cows, 2 Young Bulls, 8 Breed Sows, 27 Gilts and 8 Boars

The Shorthorn cows are the best I have in my herd, consisting of the choicest breeding cows: Mariner's Gem, got by Cruickshank Clipper and out of Marie Gem, tracing to Imp. Acron 2d; Orange Acron, got by Prince Odric, out of Princess Acron by Imp. Acron 2d; Baroness Countess by Prince Odric out of Evening Star by Imp. 22d Duchess of Gloster; Barompton Lady 2d by Cruickshank Clipper, out of Barompton Lady by Imp. Butterfly 44th, and other rich breeding. The cows are all bred for early calves and are all in fine condition, bred to my herd bull, Lavender's Choice by Golden Lavender out of Imp. Winford 4th by Scottish Archer.

The Poland Chinas consist of my entire herd, 8 tried sows and 27 choice gilts. I am leaving the farm and will sell all my hogs and cattle, horses and implements. Take a day off and come to my sale. There will be bargains for all. Sale on farm. Free conveyance from Kingman, Kan., to farm. Send for a catalog and arrange to come. I have no mailing list. Write me if you want a catalog.

W. R. COLEMAN, KINGMAN, KANSAS

AUCTIONEERS—MAJOR W. L. BROWN, COL. ABE SLAUGHTER.

Large Type Poland China Bred Sow Sale

Chanute, Kansas, February 21st—25 Head Bred Sows

And 47 head bred gilts, fall yearlings and large, growthy spring gilts. Many of the sows are bred to Erie Expansion, the largest hog in Kansas today. Several of the gilts are sired by Erie Expansion. This positively will be the best offering we have ever offered to the public. We give below a list of part of the sows: Lady Wonder 6th by Blain's Wonder out of Orange Look; D's Lady Mc 4th by Designer out of Lady Mc 3d; Daisy Maid by Longfellow 3d out of Daisy H; Astoria by Pancost out of Eva; Juno M. by Missouri Metal out of Juno's Best; Model Girl by Mammoth Ex out of Black U. S. 1st; Lady Betty 3d by Sterling Jumbo out of Lady Betty 2d; Kansas Lady by Kansas Wonder out of Chief's Lady; Kitty M. by Mammoth Ex. out of Katina; Maud Wa. by Kansas Wonder out of Maud Allerton; Florence S. by Spangler's Hadley out of Florence W.; Mound Lady; Sterling Jumbo out of Dehlia D. 2d; Mollie Mow 3d by Blain's Wonder out of Mollie Mow 2d, and other sows of equal breeding. The spring gilts are out of the above sows and by the leading boars of the big boned type. All this consignment is safe in pig to our four herd boars, Erie Expansion, John Huch, Expansion's Ideal, and Long Hadley.

Don't fail to send for a catalog; there will be bargains for all. Come and buy some of these good ones while you have the chance. Buy them at a price where you can make money on them. If you can not come bids sent to O. W. Devine of Kansas Farmer will be handled with care, but I ask all farmers, breeders and my friends to come to the sale. For catalogs address

J. W. PELPHREY & SON, CHANUTE, KANSAS

AUCTIONEERS—COL. R. L. HARRIMAN, COL. JAS. W. SPARKS.

SPECIAL SALE
JACKS and JENNETS
MARCH 1, 2, 1911

5th ANNUAL SPECIAL
 SALE OF
**JACKS AND
 JENNETS**
 Lafayette County
JACK FARM

One mile east of Higginsville, on
 main line of C. & A. and Lexington &
 Sedalia Branch of Mo. Pacific, 55
 miles east of Kansas City.

Send for catalog. Come to my sale.



100 Head High-Class
 Registered Black
**JACKS AND
 JENNETS**

Every animal registered and guar-
 anteed as represented. Nothing
 priced or sold after catalogued. Free
 conveyance from town to sale. Cat-
 alogues will be ready February 1.
 If interested write for catalogue and
 come to the sale. You will not be dis-
 appointed, but highly pleased, as I am
 offering the best bunch of jacks that
 I have ever had the pleasure of offer-
 ing to the public. They have been
 picked from the best strains of blood
 in Missouri and Kentucky. Every one
 a good one, with size and quality com-
 bined. I will be pleased to meet you
 and entertain you at my expense.
 Stop at the Arcade Hotel, opposite C.
 & Alton depot.

W. J. FINLEY, Higginsville, Mo.

Double Standard Polled Durham Sale
Sixty Head

of high class cows and heifers, including my 1910 show herd and the
 champion herd bull, Roan Hero. Several choice young bulls. The cows
 and heifers are either sired by Roan Hero or are bred to him for early
 spring calves.

Send for my nicely illustrated catalog and come to my sale. Please
 mention Kansas Farmer when you write.

Sale begins promptly at 1 p. m. on farm near Chiles, Kan.

CHILES
KANSAS
February
25th



HEYDEN ROSE 2D, FLORA'S DUCHESS AND ROAN CHOICE, CHAMPION POLLED DURHAM CALF HERD OF 1910, ALL
 Sired by ROAN HERO. WILL BE SOLD IN C. J. WOOD'S SALE, FEB. 25, 1911, AT CHILES, KAN.

C. J. WOODS, CHILES, KANSAS

AUCTIONEER—GEO. P. BELLOWES.

BREEDERS' SALE 400-HORSES-400

In Coliseum, Bloomington, Ill.
February 28, March 1, 2, 3

On Tuesday, Wednesday, Thursday and Friday, we will sell
350 Imported and Native Bred Registered Percherons, Belgians, French
Draft, Shire and Clydesdale Stallions and Mares.

100 Head of imported stallions and mares that will land by sale day.
150 Head of imported stallions and mares that have been here a year.
150 Head of the best registered mares that ever went in an auction
ring.

50 Head of imported fillies, 1 and 2 years old.
100 registered stallions of the very choicest of breeding and individ-
uality.

On Friday, March 3, 1911, we will sell 100 head of Registered Trotters,
Grade Draft, Saddle and All-purpose farm horses, stallions, mares and
geldings.

50 Shetland Ponies from the best breeders in the state. Stallions,
mares, and geldings, fit for your wife and children to drive.

CONSIGNORS—Moots Bros., D. Augstin, Leemon Bros., J. H. Wea-
ver, Dodson Bros., Woolf Bros., Down Bros., D. E. Stuart, I. Dillon, Welch
& Peck, Helander & Co., Burgess & Son, Wm. & Fred Finch, J. R. Pen-
dergast, H. W. Bowman, Rowe Bros., Sass Bros., T. J. Moore, Coleman
Bros., Ben Bohlander, M. E. & J. M. Leigh, Enos Stuart, and fifty others.

Catalogue ready February 10.

Breeders' Sale Co.

C. W. HURT, Manager

ARROWSMITH, ILLINOIS

"YES SHE'S COMING"

FAULKNER'S BRED SOW

THE **OLD SALE** **BIG-BONED SPOTTED ORIGINAL KIND**

Wednesday, Feb. 15th
JAMESPORT, MISSOURI

FIFTY TRIED SOWS, YEARLINGS AND SPRING GILTS

All bred and safe with pig to service of my

BIG BONED SPOTTED BOARS

Budweiser 34644, Brandywine 47596 and Billy Sunday 54343, the
Greatest Trio of Breeding Boars on any Farm in America.

If you like the "Farmer's Kind," the "Prolific Kind," the "Spotted
Kind," be my guest.

Write for catalog and learn more about this great herd. Sale in
town under cover.

W. J. Cody will represent Kansas Farmer.
Cols. Wells, Perrine, Shepherd, Cies, Nelson and Deem, Auctioneers

H. L. FAULKNER, OWNER
Highview Breeding Farm. Jamesport, Mo.

LEE GROSS Poland-China Bred Sow Sale

Nodaway, Mo., February 15th

60 head consisting of 5 tried sows, 7 yearlings, 22 fall sows and 22
head of extra fine March gilts. The tried sows will include Katherine
by Expansion 2d, and bred to Long King's Equal, and Lady Garrison by
Tulon Prince, bred to Expansion's Son. The yearlings will include the
first, second and third prize senior yearlings and champion at the St.
Joseph Inter-State Stock Show. The fall sows will include the great
Lady Wonderful, the best gilt A Wonder ever sired. This sale will also
include seven of the best gilts from John Lawson's herd at Clarinda,
Iowa, bought from Mr. Lawson when he decided not to have a spring
sale. Catalog now ready.

LEE GROSS

NODAWAY, MO.

FIELD NOTES

FIELD MEN.

O. W. Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
W. J. Cody.....Topeka, Kas.

PURE BRED STOCK SALES.

Horses.

Percherons, Belgians and Shires.
Feb. 28 and March 1, 2, 3, 1911—Breeders'
Sale Co., Bloomington, Ill.
Feb. 14—J. C. Robison. Sale at farm, To-
wanda, Kan.
March 15—Percheron stallions and mares,
Kentucky Jacks, at Lincoln, Neb. O. P.
Hendershot, Hebron, Neb.

Combination.

March 4-11—Enid, Okla., Live Stock Show
and Sales.

Jacks.

Feb. 16—Petty Bros., Sedalia, Mo.
March 1, 2—W. J. Finley, Higginsville, Mo.
March 7—G. C. Roan, La Plata, Mo.

Shorthorns.

Feb. 8—T. J. Charles, Republic, Kan.
Feb. 21—S. B. Amcoats, Clay Center, Kan.
Feb. 23—W. R. Coleman, Kingman, Kan.
June 6—C. S. Nevius, Chiles, Kan.

Holstein Cattle.

Feb. 7, 8, 1911—Rock Brook Farm, Sta. B,
Omaha, Neb., 150 head will be offered.

Herefords.

Feb. 28—Jones Bros., Council Grove, Kan.
Feb. 17—J. O. Bryant, Savannah, Mo.
Feb. 18—James A. Larson, Everest, Kan.

Polled Durhams.

Feb. 25—C. J. Woods, Chiles, Kan. Includes
show herd.

Berkshires.

March 2—Charles E. Sutton, Sutton Farms,
Lawrence, Kan.

O. I. C. Swine.

Feb. 16—Fantz Bros., Pleasant Hill, Mo.

Duroc-Jerseys.

Feb. 8—O. A. Tiller, Pawnee City, Neb.
Feb. 9—Samuelson Bros., Cleburne, Kan.
Feb. 10—Samuelson Bros., Blaine, Kan.
Feb. 14—Edward Fuhrman & Sons, Oregon,
Mo.

Feb. 14—Chapin & Nordstrom, Green, Kan.
Sale at Clay Center, Kan.

Feb. 15—White Bros., Buffalo, Kan.

Feb. 16—Leon Carter, Asherville, Kan.

Feb. 17—W. T. Fitch, Minneapolis, Kan.

Feb. 17—L. E. Boyle, Lindsay, Kan.

Feb. 22—James Aldridge & Son, Pattons-
burg, Mo. Bred sows.

Feb. 22—Phillip Albrecht, Smith Center,
Kan.

Feb. 27—Morgan & Kaump, Blue Rapids,
Kan.

March 1—Frank Elder, Green, Kan.
March 15—E. S. Davis, Meriden, Kan.

Poland Chinas.

Feb. 7—J. M. Ross and W. E. Long, Valley
Falls, Kan.

Feb. 8—T. J. Charles, Republic, Kan.

Feb. 8—W. B. Wallace, Bunceton, Mo.

Feb. 9—Albert Smith & Sons, Superior, Neb.

Feb. 9—H. C. Graner, Lancaster, Kan.

Feb. 10—H. B. Vanhooser, Eldon, Mo.

Feb. 10—George M. Hull, Garnett, Kan.

Feb. 11—W. F. Houx, Hale, Mo.

Feb. 11—C. S. Nevius, Chiles, Kan.

Feb. 14—E. E. Carver, Gullford, Mo.

Feb. 15—H. L. Faulkner, Jamesport, Mo.

Feb. 15—R. J. Peckham, Pawnee City, Neb.

Feb. 16—J. H. Harter, Westmoreland, Kan.

Feb. 16—A. F. Wright, Valley Center, Kan.

Feb. 17—J. D. Ziller, Hiawatha, Kan.

Feb. 17—W. B. Van Horn, Overbrook, Kan.

Feb. 18—Hubert J. Griffith's Clay Center,
Kan.

Feb. 18—Miller & Manderschied, St. John,
Kan.

Feb. 20—H. F. Pelphrey, Humboldt, Kan.

Feb. 20—Collins & Hansen, Abilene, Kan.

Feb. 21—J. W. Pelphrey, Chanute, Kan.

Feb. 22—George W. Smith, Burchard, Neb.

Feb. 22—W. C. Milligan, Clay Center, Kan.

Bred sows.

Feb. 23—Herman Groninger & Sons, Ben-
den, Kan.

Feb. 23—W. R. Coleman, Kingman, Kan.

Feb. 24—G. S. Hamaker, Pawnee City, Neb.

Feb. 28—W. R. Stump, Blue Rapids, Kan.

March 4—C. H. Plicher, Glasco, Kan., and
E. C. Logan, Beloit, Kan. Sale at Con-
cordia, Kan.

Oct. 11—S. A. Hobson & Son, King City, Mo.

Oct. 21—W. C. Singer, Hiawatha, Kan.

Oct. 25—Walter Hoidwein, Fairview, Kan.

Oct. 28—H. H. Foster, King City, Mo.

Oct. 27—J. C. Halderman, Burchard, Neb.

Oct. 31—W. T. Williams, Valley Falls, Kan.

Nov. 1—H. B. Walter, Effingham, Kan.

Nov. 2—H. C. Graner, Lancaster, Kan.



75
TO 100
PERCHERON
SHIRES
BELGIANS

In our barns; largest, smoothest
and best bred horses Europe can
produce; horses with blood lines
tracing back for 30 generations;
horses that will get a smooth, even
bunch of colts, no matter what
class of mares you breed to them.

SEND FOR OUR CATALOG
It Will Help You Decide

Prices reasonable. Horses
warranted. Satisfaction as-
sured. Make us a visit.

WATSON, WOODS BROS. &
KELLY COMPANY
Dept. 1 Lincoln, Neb.



DUNHAMS' PERCHERON

For forty-six years renowned
as the best of the breed.
Large importations
February 1, 1910 (the
arrived October 1909)
insure fine selection
each animal was indi-
vidually selected for size, bone
and excellence. If you want
stallions or mares, write for
catalogue, illustrated from life.

W. S., J. B. & B. DUNHAM
WAYNE, ILL.

Gross' Sow Sale.
On February 15, Lee Gross of Nodaway,
Mo., a leading breeder of Poland China
hogs, will hold his spring sale of bred
hogs. His offering at this sale will consist
of a large number of extra fine highly bred
and five tried sows, including Katherine
Expansion 2d, out of the greatest sow
P. Lawson of Clarinda, Ia., ever owned
which is now owned by Mr. Gross. This
an extra fine sow bred to the great
John's Equal. Lady Garrison by
Prince, out of Corona by Prince
bred to Expansion's Son, and sev-
eral other fine sows, including the first, second and
prize senior yearlings and champions at the
Joseph Inter-State Stock Show.
Among the lot offered. Twenty-two
sows, including the great Lady
the best gilt A Wonder ever sired.
dam was sired by Columbia Chief.
gilt is a wonderful sow and breeders
seldom have a chance to buy a sow of
kind bred to such a boar as Expan-
sion. Here is an opportunity to secure
best that is bred, and if it is the best
want you cannot afford to miss this sale.

On February 14, Edward Fuhrman of
Oregon, Mo., who are rated as one of
the largest breeders of Duroc-Jersey
in northern Missouri, will hold their
spring sow sale. The offering at this
will be an exceptionally fine lot of
gilt and tried sows, and all are re-
presents of the most popular Duroc-
The sows for this sale have been
with extra care and with a view to
winning all the qualities necessary to
highly bred, well finished, prolific
will be a money maker for the purchaser.
Send for catalog and note what
Sons have listed for this sale, as
be an opportunity to secure Duroc-
stock that breeders cannot afford to
lock.

Sure Hatch Incubators.
The new catalog just received
Farmer shows the Sure Hatch
and brooder to be up to date
improvements have been added to
time-tried and widely tested machines.
new catalog explains how the
for these machines coincide with

mentioned in Farmers' Bulletin No. 286, by the U. S. Department of Agriculture, as being necessary for reliable and dependable hatcheries.

One Hundred Dollar Seed Corn.

A. W. Butler of Plymouth county, Massachusetts, received this on this corn the first prize of \$100 in gold for the largest yield...

We are very glad to find that one of the up-to-date seed firms has taken the important step of guaranteeing their seed.

Poultry Keeping and How to Succeed at It.

All the precious metals mined in a year and all the wool and mutton from our great sheep farms, aren't equal—dollar for dollar—to the enormous value of our yearly output of poultry products.

Safety Hatch Incubator.

This week we start advertising for the safety Hatch Incubator, made at Clay Center, Kan. The Safety Hatch is the result of 15 years of practical experience in manufacturing and selling incubators.

Split Hickory Vehicles.

That is what Harry C. Phelps of the Ohio Carriage Mfg. Co., Sta. 43, Columbus, Ohio, sells. He sells all his goods direct from his large factory to the user.

Free Trial of Stock Tonic. There is really no secret about stock tonic—neither about their ingredients nor their effects on live stock.



They have been making this stock tonic for 25 years, and know absolutely what it will do. They run no risk in giving away the 25 pounds as they are certain it will be their own best solicitor in the hands of the intelligent stock owner.

Autos for Farmers.

Probably no automobile is more widely known or more appreciated than Maxwell autos. Maxwell owners and users are particularly enthusiastic over the great value to be had in Maxwell cars.

Takes Sides With the Farmer.

Mr. J. S. Gilcrest, president and general manager of the Des Moines Incubator Company, for good and sufficient reasons, as he states in his advertising which is now appearing in this paper, has this year decided to do away with the expense of traveling salesmen and jobbers and is selling his well known line of Successful Incubators and brooders direct to users at real factory prices.

Shaving Satisfaction.

Comes from a good razor. Why "skin" yourself when you can just as well have the utmost shaving outfit? Get a good razor, the cost is little and the satisfaction big if you get one from the U. S. Cutlery Co., Dept. 80B, St. Louis, Mo.

Wisconsin Incubators.

As advertised on page 17 of this paper, the price of a 125-egg Wisconsin incubator and a 125-chick brooder is \$10, freight paid east of the Rocky Mountains.

Test Your Seed Corn.

Kansas farmers do not seem to appreciate the necessity for testing seed corn before planting or the great gain to be had by so doing so much as the farmers of Iowa and other states. Perhaps this is why the average acre yield of Kansas farms is so much less than that of adjoining states.

Nebraska's Queen. An Unusual Stir in Poultry and Incubator Circles at Lincoln, Nebraska.

Nebraska's Queen, an incubator made at Lincoln, Neb., whose face and straight business talks have come to be so familiar to our readers, reports lively times about his big Queen Incubator factory.

out last year. It is evident that poultry people are "catching the spirit." Wickstrum preaches the doctrine of making the poultry business a real business.

Wiley & Sons' First Sale Good.

The draft horse sale of L. R. Wiley & Sons, held at Strong City, Kan., Tuesday, January 23, was attended by a large crowd of anxious buyers from several states.

- List of names and amounts: C. J. Wilber, Burlingame, Kan. \$ 625; R. E. Moody, Spearville, Kan. 370; E. W. Mings & Son, Burlingame 440; R. W. Weeks, Bellevue, Kan. 440; F. Hoply, Fairfield, Iowa 280; Joe Svitak, Marion, Kan. 450; S. H. Perrin, Dresden, Kan. 385; W. M. Douglass, Springfield, Mo. 450; Dr. J. T. Axtell, Newton 425; W. S. Miller, Cottonwood Falls 275; E. W. Mings 310; John Stewart, Elm Dale, Kan. 225; Fred Jensen, Kinsley, Kan. 410; George Weeks, Bellevue, Kan. 505; W. W. Alexander, Marion, Kan. 315; C. F. Maize, Newton, Kan. 315; W. W. Alexander 300; Geo. C. Smith, Lawrence, Kan. 395; D. H. Perrin 460; Shaft Bros., Clements, Kan. 200; Geo. C. Smith 505; C. A. Reumer, Canton, Kan. 485; J. B. Barrett, Cottonwood Falls 500; H. H. Olmstead, Madison, Kan. 700; W. C. Enstey, Ealey, Kan. 335; E. W. Mings & Son 225; Peter Hoply 510; Peter Hoply 500; George Cryderman, Solomon, Kan. 105; W. N. Banks, Independence, Kan. 325; Geo. C. Smith, Lawrence, Kan. 305; Peter Hoply 640; George Miller, Cottonwood Falls 255.

Great Incubator Offer.

Sam Thompson, of the Nebraska Incubator Co., Fairfield, Neb., is certainly on the job when it comes to furnishing reliable incubators and brooders.

The New Old Trusty Book.

Every year M. M. Johnson, the incubator man of Clay Center, Neb., writes a new Old Trusty book. Each year brings out a book more interesting than the preceding one, if such a thing is possible.

This is a success honestly earned, begrudged by none and conceded by all to be in line with the eternal fitness of all things.

Roy Johnston's Sale Good.

Forty-seven head averaged \$72. The Poland China sale pulled off by Roy Johnston at South Mound, Kan., on Friday, January 20, was attended by a large crowd of breeders from Kansas, Missouri and Oklahoma.

- List of names and amounts: L. V. O'Kief, Stillwater, Kan. \$100.00; F. A. Darst, South Mound, Kan. 122.50; C. S. Nevius, Chiles, Kan. 142.50; J. R. Nave, Kansas City, Mo. 77.50; Col. C. E. Bean, Garnett, Kan. 125.00; J. R. Nave 65.00; J. R. Nave 95.00; J. R. Nave 70.00; H. Hohenstein, Chelsea, Okla. 55.00; W. Hoover, South Mound, Kan. 135.00; W. D. Lee, Chelsea, Okla. 70.00; F. A. Darst 127.50; J. A. Johnston, South Mound 62.50; J. R. Nave 62.00; J. A. Johnston 66.00; J. A. Johnston 60.00; J. R. Nave 67.50; J. A. Johnston 81.00; J. A. Johnston 59.00; D. M. Griggs 70.00; J. R. Nave 55.00; W. B. Wallace, Bunceon, Mo. 87.50; Fred Johnston 90.00; C. R. Brown, Fayette, Mo. 59.00; J. R. Nave 57.50; O. K. Limbocker, South Mound 58.00; H. Hohenstein 65.00; C. S. Nevius 72.00; C. S. Nevius 60.00; J. R. Nave 55.00; J. R. Nave 67.50; W. Hoover 60.00; W. Hoover 65.00; H. F. Pelphrey, Humboldt, Kan. 69.00; J. M. Pemberton, Fayette, Mo. 90.00; F. Darst 70.00; C. R. Brown 51.00; J. R. Nave 52.00; F. Darst 72.50; W. Hoover 57.50; W. D. Lee, Chelsea, Okla. 55.00; J. W. Pelphrey 51.00; Clifton McClain, Checotah, Okla. 76.00; F. Darst 60.00; W. Hoover 55.00; C. R. Brown 60.00; J. A. Johnston 50.00.

Oswego College Celebrates.

The 25th birthday of Oswego College was made memorable by a silver jubilee celebration. Distinguished visitors from a distance, former students and the citizens of Oswego vied with one another in enthusiasm.

Carvers' Big Sale.

The bred sow sale of E. E. Carver & Son and Ellis at Guilford, Mo., on Tuesday, February 14, will be one of the big Poland China events of the season.

Saving One-Third to One-Half on Harness.

Hundreds of Kansas farmers have bought harness at a saving of one-third to one-half in price from the H. and M. Harness Shop, 12 Illinois avenue, St. Joseph, Mo., and all of these buyers have found that they got high grade harness and courteous treatment in buying.

Save Money on Carpets.

Every household at one time or another must buy rugs or carpets. It is important to be able to get a proper selection and the lowest price for the highest quality goods desired.

Pianos Direct From Factory.

It is now possible to buy the highest grade pianos and organs and save the big commissions of the local dealers, traveling salesmen and local solicitors.

Handy Little Device.

It's exasperating when you climb into your buggy, perhaps in a hurry to drive off, only to find the reins mixed up with the horse's feet or tail.

Low Priced Incubators.

In sending for incubator catalogs, don't overlook sending to the Progressive Incubator Co., Box 180, Racine, Wis., whose ad is at the bottom of page 6, this issue.

South Royalton, Vt.
 Wilbur Stock Food Company, Milwaukee, Wis.
 Gentlemen: The Stock Tonic that you sent me several weeks ago works to perfection, as my stock is in much better condition with less grain than when I commenced to feed it.

Yours respectfully,
 FRANK RAND.
 Kremmling, Colo.
 Wilbur Stock Food Company, Milwaukee, Wis.
 Gentlemen: Enclosed find draft for \$13

In payment for Stock Tonic. I have used two pails of your Stock Tonic; it is certainly fine. I have used almost everything on the market, but nothing to compare with the Wilbur Stock Tonic. 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 sick and nice, also are working hard every day.
 Will enclose a watch certificate and thanking you for past favors, I am,
 yours truly,
 (Signed) CASPER SCHWAB.

I Want to Send You This \$3.50 Pail Free

I want you to know for yourself why

WILBUR'S STOCK TONIC

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 Tonic is a wonderful feed saver, fatter and positive preventive of disease.

I want you to find out by actual test that my tonic makes money for you every time you feed it. That's why I'll send this big pail absolutely free to you and to every reader of this paper, where we have no agent, 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 \$3.50 pail, 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 pail free? Is it worth a two-cent stamp? If so, just fill out the coupon below, AND MAIL TODAY.

What Others Say

Williamsport Pa., May 17, 1910
 Wilbur Stock Food Co., Milwaukee, Wis.
 Gentlemen:—We have used one pail of your food for our two horses. It saved the life of one of them after everything else failed. Please give us price and terms on pails. Yours,
 BOYS' INDUSTRIAL HOME,
 T. P. S. Wilson, Mgr.

Arkansas City, Kans., Apr. 5, 1910.
 Wilbur Stock Food Co., Milwaukee, Wis.
 Gentlemen:—Would like to know what the prices on one thousand pound lots would be. Have been feeding it about two months and think it is all it is claimed to be. Hoping to hear from you soon soon, I am,
 Respectfully,
 BERT WILHELM, R.F.D. No.6

Stephens, Ark., Dec. 17, 1909.
 Wilbur Stock Food Co., Milwaukee, Wis.
 Dear Sirs:—You will find herewith enclosed money for the five pails of tonic. Will say, it is all you claim for it and more. I tried it on a sick calf which was nearly dead with sores. The first dose relieved it and now it is alright. It is good for all kinds of stock. I found it cannot be beat. It is a God's blessing.
 Yours truly, J. J. CARROLL.

J. P. Wilbur President

WILBUR STOCK FOOD CO., 271 Huron St., Milwaukee, Wis.

FREE \$3.50 PAIL COUPON

F. P. WILBUR, President,
 WILBUR STOCK FOOD CO.,
 271 Huron St., Milwaukee, Wis.

Please send me the \$3.50 pail of Wilbur's Stock Tonic free of charge.

I own _____ horses _____ cattle _____ hogs _____ poultry.

My Name _____

P. O. _____ R. F. D. _____

Freight Station _____ State _____