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KANSAS FARMER

FOR THE IMPROVEMENT OF THE FARM AND HOME

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How To Build A State Fair

Secretary Simpson of the Iowa State Fair Addresses the Topeka Commercial Club

"In the first place there must be some object, some purpose for maintaining the various fairs and expositions. They must be worth while, else the interest in them would decline and they would soon cease to exist. Since being in the fair work I am always on the lookout for what excuse others might have to offer for their existence.

"During the past season in looking over the various periodicals that weekly come to my office I found on the editorial pages of that great farm journal published in your city, the KANSAS FARMER, what in my opinion, was a clear and decisive definition of a state fair. Many of you people probably read this editorial; if you have it will not hurt you to listen to it again, if you have not it will set you thinking so that in the future you will know the strength and power of doing good, which is building up these great institutions for learning throughout the entire world, but more especially in America. The editorial was as follows:

"The state fair is full of interest and meets the wants of the city and country worker alike. It is the state on exhibition. It is a great showing of its products, manufactures, crops, live stock, machinery, minerals, and all the methods and processes by which the state has attained its position in the world. It is a great university which teaches by object lessons. It is the one place where the result of their labors may be seen.

"The state fair is the advertising agent of the state. It is the great show window of its store of accomplishments and what she has to offer. It is the exposition center of all of the interests and industries of the commonwealth and it is the place for the annual reunion of its citizens. To all of its people the educational and social value of the state fair is unquestioned and unmeasured, but it has a patriotic duty as well. It is a duty which each citizen owes to himself, his family, his neighbors and his state to attend the fair see what is to be learned, touch elbows with his fellow men in the march of progress and spend a most profitable vacation.

PRESIDENT M'KINLEY'S ENDORSEMENT.
"I wish that everybody in the state of Kansas might have heard that splendid address made by President McKinley at the Pan-American exposition at Buffalo the day previous to his assassination. To Americans and American institutions he paid a noble tribute. He said: 'Fairs and expositions are the time keepers which mark the progress of states and nations. They record the world's advancement. They stimulate the energy, enterprise and intellect of people and quicken human genius. They do into the home. They broaden and brighten the daily life of the people. They open mighty store houses of information to the student. Every fair or exposition, great or small, has helped to some onward step. Comparison of ideas is always educational, and as such instructs the brain and hand of man.'

"And so it goes—every intelligent and right thinking man now sees the mission of the state fair. He can see that it will induce men to mix brains with their work; it will urge men to better efforts, more intelligent breeding, more intelligent farming; and when it does that it will accomplish a great purpose.

IOWA FAIR AGRICULTURAL.
"The Iowa state fair is distinctly an agricultural and industrial exposition, and is attended by typical agricultural folk—intelligent, prosperous, happy people who stand for 'good' farming, clear thinking, right living.' It is because of the character of the people that the exhibits of practically everything needed on the farm and in the house may be found on the grounds, the very best horses, cattle, sheep,

swine, poultry, vehicles, improved implements and appliance of every description, seeds of the best varieties of farm crops, fruits, plumbing and lighting systems, house furnishings, stoves, musical instruments; everything, in fact, needed on an up-to-date farm or of use in a well ordered home. The man who makes anything to sell that will lighten the work of the farm, improve his condition or contribute to the comfort of his family, has found that there is no better place to display his wares than at the Iowa state fair. Farmers are quick to recognize and appreciate anything of real merit.

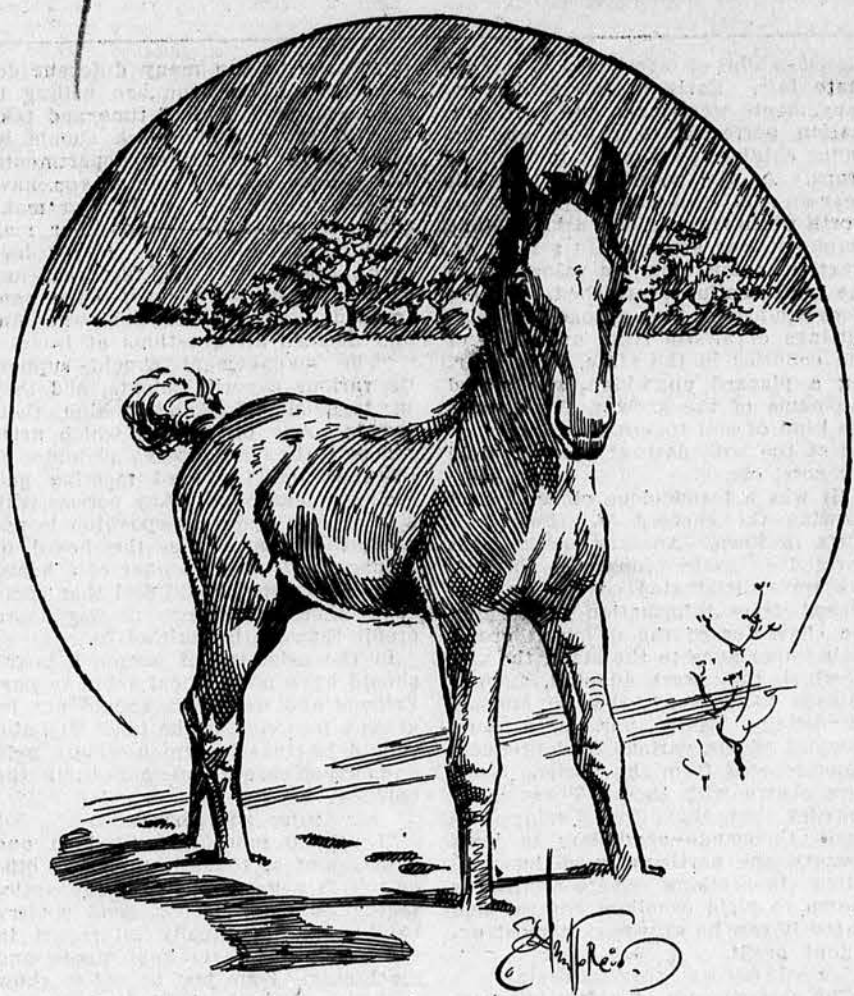
"An advance step was taken last year by the Iowa fair in regard to the exhibits space in our agricultural building. For years past the agricul-

ture of the enterprising west, north-west and southwest has been dominant. These bright-minded, breezy men from those sections know a good thing when they see it; they realize the advertising possibilities of an exhibit where they could come in touch with thousands and thousands of good Iowa farmers. They were not to be blamed for displaying their products of the soil in the most desirable space in Iowa's agricultural building. But 'home first' is a good motto and was adopted by the Iowa fair management the past season. The purpose of the Iowa state fair is to demonstrate the great resources and possibilities of Iowa—not of Wyoming, Texas, or any other state. Foreign exhibits were therefore barred from showing in our agricultural building. If they desired to exhibit they were sold space at so much per foot, the management putting it on a strictly commercial basis, not even excepting Uncle Sam.

SPENT \$75,000 FOR HOG STABLES.
"If the state of Iowa is known for any one thing it is for the number of hogs upon her farms. If the Iowa state fair had in any particular department it is in the annual exhibit of hogs. When I tell you that it takes from six to eight trains of 20 cars each to bring in the hogs for the Iowa show I know you will think I am from the 'show me' state. But when I tell you the size and cost of the building it takes to house this great show you will begin to sit up and take notice. The average number of hogs brought to the Iowa state fair varies from twenty-five hundred to thirty-two hundred. Three years ago we recommended to the general assembly of our state that an appropriation of \$75,000 be made to build a hog barn. They thought we were crazy; so did many other people. But the appropriation was forthcoming and the building was erected at an aggregate cost of about \$85,000. It covers three acres and will comfortably house three thousand hogs; at that the very first year after it was built more than one thousand hogs were turned away for lack of room.

AN EDUCATIONAL VALUE.
"Fairs have educational value. It is conceded that a man, woman or child will learn more of practical and lasting value at a fair in a day than can possibly be learned elsewhere in the same length of time. A fair (when I say 'fair' I mean a real fair with a diversified exhibit) with an attendance of two hundred thousand in a week gives more days of instruction than a school with an average of one thousand per day running nine months in a year. It reaches both the young and old, city and country folks alike. Compare the cost of maintaining such a school with the amount actually expended by a state for its fair and the fair becomes a paragon of cheapness as well as utility. Only recently Kansas had the honor of furnishing both the grand champion and the International show.

"These steers were fed at your agricultural college under the supervision



"Happy New Year"

born breed and the following day under stock yard judges was awarded the silver cup offered by Swift & Company for the best steer of any breed or age in the show.

At the American Royal in October his weight was 900 pounds. Here he won first in his class, but was defeated for the championship by the two-year-old Peak steer. At Chicago he weighed 1,000 pounds, and won first in his class, was made champion of the breed, defeating the two-year-old Peak steer that had beaten him at the Royal, and under the English judge was made reserve champion calf over all breeds. He is one of the truest lined, thickest covered and smoothest calves that has ever been shown in the Shorthorn class. His covering over his back and ribs is almost as thick as the average yearling carries and he is as smooth as an Angus. He will be carried over for next year's shows and should make a very strong candidate for first honors in the yearling classes next year.

The Use of Cars by Farmers.

A symposium is printed in The Automobile Bulletin for October, showing in several parts of the country the increasing favor of farmers toward cars. A farmer in South Dakota, who has spent all his life in farming and lives ten miles from a railroad station, says he owns a 20-horse power touring car with detachable tonneau, and during the first three months drove it 2,000 miles "without spending a cent on repairs." He now uses it exclusively for errands, for bringing supplies to the farm, and for pleasure. He takes care of it himself and after each trip looks at all the bearings and spark plugs. He finds the car eminently a good investment and believes the time will come when "every farmer will have at least one automobile of his own."

Another farmer, writing from Ohio, who has in mind all that has been done for the farmer by the telephone, rural free delivery, and books, believes that there exists "no more all-around farmer educator than the motor car." He has owned his car only one year, but in that time has become convinced that no investment he ever made brought anything like the same amount of pleasure to himself and his family. He believes the car "will have a powerful influence in keeping boys and girls happy and contented with life on the farm."

From Missouri a farmer writes that the car is following exactly in the wake of the telephone, rural free delivery, and acetylene gas, in the comforts and conveniences it brings to farm life. It belongs also in a class with the windmill, the self-binder and other farm labor-saving devices. He says that, in his part of the country, farmers "are buying machines by the thousands." Many of the cars bought are built with special reference to conditions of farm life and rural roads.

From Massachusetts a farmer writes that "he bought, in 1906, five-horse power steam-runabout that had been built in 1901." He has not only used it on the road for pleasure as well as business, but has employed the engine to run a circular saw with which to saw his firewood.

From New Hampshire a farmer writes that when he bought his car he was told that it would take a fortune to maintain the upkeep. But in the two years, during which he has run his car hundreds of miles, the cost for tires and repairs has been less than ten dollars—less than would have been the cost of shoeing a horse for the same length of time. Moreover, a horse would have had to be fed 365 days in the year, while the car needed fuel only when it was in use. He employs his car to deliver butter to his customers, doing this in half the time a horse would take. He believes that manufacturers ought to produce a strong, simple machine especially for farmers.

A writer, familiar with farm conditions in Dakota, declares that the car actually costs less to keep than does a horse, does ten times as much of different classes of work, is always ready for service, and is much less troublesome to care for. A horse ordinarily can not travel in his whole life more than 50,000 miles, whereas an automobile may do that in two years. The writer knows of farms in Texas which, in spite of their great fertility, could not be sold at any price before the days of motor cars, but are

now in demand and have increased in value, even though they may be thirty or forty miles from a market which, with a car, is regarded as an easy distance. The cost of the upkeep in some cars has been reduced so far that a careful farmer can operate his car without spending for oil and gas much as it would cost to keep a horse. The writer agrees with others that repairs ought not to exceed the cost of shoeing a horse and repairing a harness. The average farmer has one distinct advantage over most owners who live in towns. He can only operate his own car, and he can care for it himself. The farmer is more or less familiar with farm machinery. He therefore is able to save a large part of the expenses involved in repairs such as usually fall to the lot of the unmechanical dweller in a town.

The Practice of Clipping Farm Horses

As a rule farm horses are soft in spring and when put at the heavy spring work they perspire a great deal more than would be the case if they were kept regularly at work during the winter months. As the hair is long, the moisture is held in it and dirt. This condition has led to the practice of clipping all farm horses in some communities before putting them at the heavy spring work and the general opinion of those who have to do with such horses both in working them and in the maintenance of their health seems to be in favor of the practice of clipping.

As everyone knows, horses as we are acquainted with them at the present time, live very differently from their natural state. The wild horse was free to roam about and had very little work to do except in getting enough to eat. The horse as we know him, is subjected to a great deal of hard labor and is fed and housed under conditions that nature evidently did not mean for him; consequently, every provision should be made to keep him under these unnatural conditions in as healthful a way as possible.

Experience goes to show that a soft horse with a long coat of hair if left to stand on a cold day after perspiring freely or if stabled without ample protection on chilly nights is apt to take cold and be subject to other ills resulting from these conditions. A long coat of wet hair does not dry out very quickly and also requires considerable body heat to accomplish it. The argument is put forth by those who clip that the horse with a short coat of hair, dries out very quickly and in that condition is much less liable to take cold than the unclipped horse with a coat of wet hair.

We also reason that a man would not care to stand about on a cold day or try to rest at night with a heavy suit of wet clothes on and that he would be much better off if he had on a light, dry suit—all of which seems to be very reasonable.

The horse of today is healthier and a better worker than the horse of a century ago but more is expected of him and he accomplishes more. If he is clipped in the early spring and a blanket is provided for protection whenever he is left to stand in the open on a day that is cold or at night when put into the stable, it would seem he is better off than the unclipped animal.

It is further argued that the clipped horse makes a great deal better appearance than the unclipped animal in the spring and there would seem to be no question but what that is true. It is also stated that the clipped horse is more easily cleaned and kept in good condition which appears to be reasonable too, for with a short coat of hair he accumulates much less dust and the excretions of the body thrown off through the pores of the skin have a much better chance to escape.

A long winter coat is an admirable protection for a horse when he is not at work but when man takes him in charge and subjects him to heavy spring work after the winter months of rest he surely ought to do everything to make life as healthful and comfortable for him as possible. It would seem to be the course of reason to give him a good clipping and authorities in general at the present time are about united in favor of this course. The practice is getting to be a very general one throughout the country.

1910 DAIRYING PROSPERITY



The one thing which has contributed most largely to dairying prosperity the world over for the past thirty years has been the DE LAVAL CREAM SEPARATOR, and favorable conditions afford more than usual opportunity for it to continue doing so during the new year of 1910.

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No man having milk to separate, whether he now has no separator or an inferior kind of one, can make a wiser or more profitable move than to start the new year 1910 with a DE LAVAL machine, and every day of delay means just so much loss in quantity and quality of product.

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Breeding of Cereals at Kansas Station.

I would greatly appreciate receiving a concise statement of the work which is being done at your institution in the breeding of cereals, especially along the following lines:

1. The main objects in view.
2. The outline of what is being done.
3. The method of operation.
4. The most important results which have already been obtained.
5. The name of the person directly in charge of this work.

I know that I am asking a good deal, but I assure you that I would be very grateful for an early reply.—C. A. Zavitz, Ontario Agricultural College, Guelph, Ontario, Can.

The main object of the breeding and crop improvement work which has been carried on by the agronomy department of this Experiment Station has been to produce strains of varieties which are greater producers, better in quality and feeding value and of purer type than the original stock, the principal object being to increase these improved stocks as rapidly as possible and distribute the seed among the farmers of the State for general planting. In carrying out this plan several thousand bushels of improved seed wheat and pure bred seed corn and other grains of standard varieties have been distributed among the farmers of Kansas.

This department is breeding several varieties of corn, Kafir corn and sorghum by the "ear row" method; also breeding wheat and other small grains by the "head row" method. No artificial crossing has been attempted, the purpose being simply to discover the great individual in the best producing varieties and make the product of this individual the foundation stock for improved strains or varieties. None of the seed of the wheat and small grains thus far distributed has come from single heads but much of the seed corn distributed in the last two years is the product of a few great producing individual ears and the same is true also of the Red Kafir and Black Hulled White Kafir corn; also of several varieties of cane, the seed of which is now being distributed.

The method of operation has been suggested in answering questions 1 and 2. The original selections of heads or ears are made in the field. The selections for further breeding are made both from the best producing ear rows or head rows; also new selections are being continually made from the field each year and with corn our plan for the last two years has been to go to other breeders and other sources, obtaining the best ears of the different varieties which we are breeding which it is possible to secure from other breeders. Following this plan we have for the past two years bought some of the prize winning samples at the National Corn Expositions, state corn shows, etc., using the best of these ears in planting in what we call our primary ear test plot. After trying out the ears in this way the best ears from the best producing rows are planted in our ear test plots to produce the seed for distribution. We practice planting the original thirds of the best producing ears, also the best ears from the best producing rows.

I cannot answer question 4 at this time without going into detail and without much preparation in comparing yields of crops etc. Have nothing prepared along this line except what may be found in bulletin No. 147 on "Corn," a copy of which you doubtless have. Do not have the small grain breeding work in shape to present. In fact, have only produced the third crop from any of the original head row selections and these have not been compared with the original seed. The samples have been planted this fall in one-tenth acre plots.

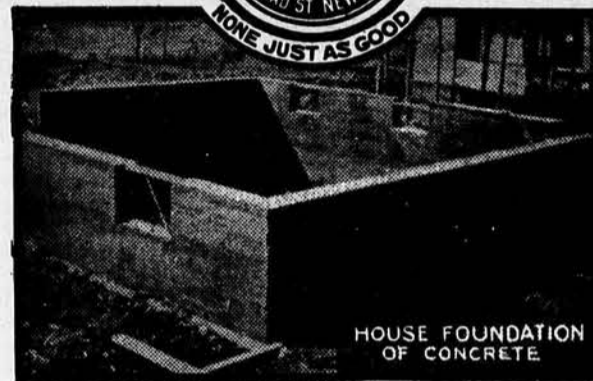
At present I am in direct charge of all the crop breeding work of the agronomy department of this college and Experiment Station.

The wheat breeding work of this Station as regards the origin of new varieties, etc., is in the care of the Botanical Department of this Station. I have referred your letter to Prof. H. F. Roberts of that Department for further answer.

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70,000 Americans will enter and make their homes in Western Canada this year. 1909 produced another large crop of wheat, oats and barley, in addition to which the cattle exports was an immense item. Cattle raising, dairying, mixed farming and grain growing in the provinces of Manitoba, Saskatchewan and Alberta. Adaptable soil, healthful climate, splendid schools and churches, and good railroads. For settlers' rates, descriptive literature "Last Best West," how to reach the country and other particulars, write to Sup't of Immigration, Ottawa, Can., or to the Canadian Government Agent.

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THE FARM



Why Meat Prices are High.
Kansas has always been a cattle state and it is a matter of wonder to some people that the reports of the State Board of Agriculture show a lower cattle census now than 20 years ago. They do not stop to think that the ranges which were once covered with cattle and which produced almost nothing else are now all fenced up into farms where the numbers of cattle must be smaller and the quality higher. It is a matter of greater surprise and to more people that meat should be so high in a meat-producing state. This condition applies to the country at large, however, and Secretary Wilson of the United States Department of Agriculture has undertaken to answer it.

From his reports and other sources we learn that advancing prices and increasing crops have united to make this a banner year in the value of the farm yield. He states that the value of the corn crop for 1909 is \$1,720,000,000, and corn is king. Cotton comes next with a value of \$850,000,000 and then follow wheat at \$725,000,000, hay at \$665,000,000, oats at \$400,000,000, and other crops of lesser value, but all aggregating the inconceivable total of \$8,760,000,000.

Now this vast sum of wealth has been created. It has been dug out of the earth. It is new wealth added to the resources of the country by the farmers in one year. If the farmers are adding so enormously to the wealth of the country, the question as to what becomes of this money and whether the farmer gets his share of it is an interesting one. Secretary Wilson undertakes to explain this in the following quotation from his report:

"For the 50 cities the total retail cost charged to customers above the wholesale cost paid by the retailers is 38 per cent. In 5 cities the rate of increase is 20 per cent and under; in 10 cities, 21 to 30 per cent; in 12 cities, 31 to 40 per cent; in 12 cities, 41 to 50 per cent, and in 11 cities, over 50 per cent.

"The average retail price exceeded the average wholesale price by 31.4 per cent in the North Atlantic States, by 38 per cent in the South Atlantic, by 38 per cent in the North Central, 39.4 per cent in the Western, and the highest increase was found in the South Central States, 54 per cent.

"A gross profit of 20 per cent was found in New York City and in Philadelphia, 28 per cent in Buffalo, 36 per cent in Boston, 17 per cent in Baltimore, 42 per cent in Washington, 46 per cent in Chicago, 25 per cent in Cincinnati, 23 per cent in Minneapolis and St. Paul, 40 per cent in

Milwaukee and Detroit, 39 per cent in St. Louis, 64 per cent in Mobile, 39 per cent in San Francisco, 24 per cent in Seattle, and 37 per cent in Denver.

"The lower the grade of beef the greater the percentage of gross profit. In Boston, for illustration, the rate of gross profits is nearly twice as great for beef costing 8 cents at wholesale as for beef costing 11 and 11½ cents. Low priced beef is marked up nearly twice as much relatively as high priced beef. In other words, perhaps it is a safe inference that the poor people pay nearly twice as much profit as the well-to-do people pay."

The retailers are not blamed, however, as their delivery service is costly and "the retail business is overdone." The next question is whether the farmer has shared in the advancing prices. We read on this point:

"The farmer has failed to receive a share of higher beef prices with regard to the raw animal. The price-level of two-year-old steers at the farm being regarded as 100 for 1896-1900, the price of such steers rose to 135.9 in 1900, declined to 85.5 in 1905, and rose to 100.8 in 1909, all for the date of January 1 and for prices at the farm, substantially before corn feeding had begun.

"The price of corn in 1909 at the farm is represented by 218.6 compared with 100 for the price-level of 1896-1900, and the price of the best native steers at the Chicago stock yards in the same year is 139.9, which is much above the 'index number' for the price of the animal at the farm and much below the price of corn at the farm. The inference is that the farmer gets some return for the high-priced corn that he feeds to his steers, but not a return equal to 60 cents a bushel for his corn, which is the price for the last two years. As for the unfed steer it does not participate in the upward movement of prices in its farm value.

"The wholesale prices of fresh beef carcasses have increased in about the same degree that the prices of steers have at the stock yards, and the retail prices of fresh beef have kept pace with the wholesale prices.


"The increasing prices of fresh beef, therefore, are due to increasing prices of animals at the stock yards, and this is explained by the abnormal circumstances to which the raising of beef animals has been subject in recent years.

"There has been a breaking up of range herds consequent upon the enforcement of the 'no-fence' law by the National Government and by encroachments or the settlers upon the ranges, made possible by the practice of 'dry farming.' Not all of the cattle have gone directly from the ranges to

Mr. Farmer, Attention!

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HATCHES and HOVERS like a LIVE HEN. One Regulator. One lamp. Saves ONE HALF operating expense. FIRELESS BROODER ATTACHMENT. PRACTICALLY FOUR MACHINES IN ONE. P.O.R.O.'S VENTILATING SYSTEM. 80 percent hatches GUARANTEED. 40 or 60 DAYS TRIAL. A GOLD MINE ON ANY FARM.

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HIDING A SPAVIN

Crooked horse dealers can doctor up a \$35.00 spavined horse and work him off for \$150.00. You may be the victim. Protect yourself by learning all the secret tricks and dodges of unscrupulous swindlers. Get wise to all such frauds as hiding a spavin, plugging a roarer, or bishoping. Learn the dopes employed, and be on the lookout for the turpentine, gasoline, ginger and other tricks.

These and many more are fully explained in **Horse Secrets** an expose of the tricks and dopes used by gyps and peddlers. It also discloses many secrets heretofore carefully guarded, and explains the methods of reputable horsemen.



With "Horse Secrets" we sell FARM JOURNAL, the foremost farm and home monthly in the world—five full years of this splendid paper, with the horse book, only \$1.00. You will be delighted with the Farm Journal, and will thank us for introducing it to you. It is a gem; clean, cheerful, intensely practical; it is for the stockman, fruitman, poultryman, trucker, villager, hired man, the women folks, the boys and girls. As useful as a shovel, as readable as a novel. If you are prompt we will include free "Poor Richard Revived," our splendid new Almanac for 1910. Send \$1 to-day.

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Sam Thompson Says
Try My New Fairfield Incubator
2 Hatches FREE



I'LL SHIP IT for you to try in your own home, two hatches free. I just want to prove to you at my own risk that the Fairfield is the world's best hatcher. That's what I call it. Thousands of my satisfied customers back me up in this strong claim. There is no better machine at any price. It's built right and will give you the biggest hatches and healthiest and strongest chicks.

Get My New Catalog and My Special Free Trial Offer Now
THE FAIRFIELD is made out of the best California Redwood lumber. It's patented heat system gives an even uniform temperature, which means big hatches. The regulator works perfectly. Big, roomy nursery and egg chamber, double doors. Clear top, fine finish. Write me today without fail for my new catalog and great offer.

Sam Thompson, Pres.,
Nebraska Incubator Co.,
177 Main St., Fairfield, Neb.

SHIPPED FREIGHT PREPAID

Notice of Final Settlement.
The State of Kansas, Shawnee County, ss: In the Probate Court in and for said County.

In the matter of the estate of William F. Ruggles.

Creditors and all other persons interested in the aforesaid estate are hereby notified that I shall apply to the Probate Court in and for said County, sitting at the Court House in the City of Topeka, Shawnee County, Kansas, on the 7th day of February, A. D. 1910, for a full and final settlement of said estate.

Dated Dec. 11th, A. D. 1909.

F. M. KIMBALL,
Administrator.

THE TOPEKA PACKER
It will enable you to get the full yield of your soil, and the difference in one season's crop will more than pay for the machine. A card today, asking for TOPEKA Packer Book-LET No. 14, will bring prices and full descriptions. THE TOPEKA FOUNDRY & MACHINE CO., Topeka, Kansas

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Is the Time
Railroad Development the Reason
FREE Richly Illustrated Booklets from all parts of Oregon, telling of FRUIT GROWING, FARMING, DAIRYING and other opportunities.
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All the best novelties and standard varieties of Garden and Farm seeds. Send for handsome, illustrated catalogue of Seeds, Plants, Poultry Supplies, Nursery Stock, etc., and special Bargain List of Vegetable and Flower Seeds at 2 cents per packet and upwards. Mailed to you, if you mention this paper.

FREE
Iowa Seed Co., Dept. 40 Des Moines, Iowa

14 1/2 Cents a Rod
For 22-in. Hog Fence; 15 3/4-c for 26-inch; 18 3/4-c for 31-inch; 23c for 34-inch; 25c for a 47-inch Farm Fence. 50-inch Poultry Fence 32c. Sold on 30 days trial. 50 rod spool Ideal Barb Wire \$1.55 Catalogue free.

KITSELMAN BROS.,
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GALVANIZED STEEL \$12.75 WINDMILL
Sold direct from factory to user at wholesale price. Strongest guaranty. Send for catalogue. Prices will surprise you.

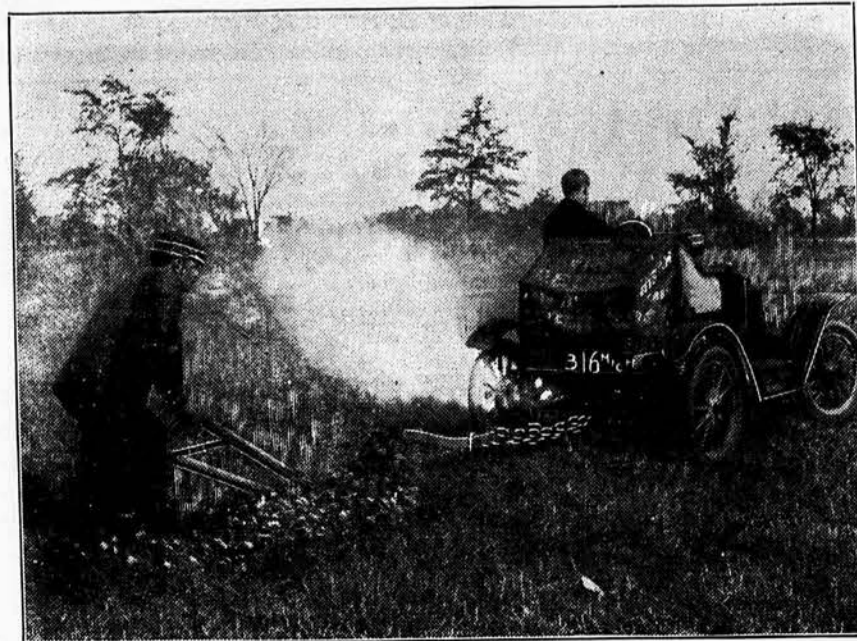
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WRITE FOR
FREE FITZ BOOKLET
BURNHAM-HANNA MUNGER-D.G. Co.
KANSAS CITY MO.



The Brush Runabout that climbed Pikes Peak being used to pull a plow in breaking the ground for the new Brush factory in Detroit, Mich. The new factory was made necessary by the growing popularity of this little car.

the slaughter houses; a great portion of them has gone to farms for maturing and finishing, largely upon corn. This extra demand on the corn crop is reflected in corn prices, which are now higher than they have been since the records of the Department of Agriculture began, in 1866, except for 1881.

"Half a dozen years of this abnormal movement of beef cattle from ranges to the great markets began to tell upon the supply in 1908, when the deliveries fell off in a marked degree, and the decrease continued in 1909.

"The situation with regard to hogs is more fair to the farmer than the cattle situation is, but still it is apparent that during the last three years the price of corn has been too high for the price of hogs. The relative price of hogs on the farm January 1, 1909, was 147.3, as compared with 100 for the mean price of 1896-1900, and the average cost of all hogs slaughtered at principal markets in the year before was 148.1, or about the same as the farm price. The price of dressed hogs of 160 pounds, in New York in 1908, stands at 145.7, and the carcasses of market pigs at Chicago at 148.4 which is approximately the number representing the relative retail price of fresh pork.

"In the case of hogs, therefore, the farmer has fully participated in the rising prices, whereas in the case of the farmer's cattle the unfed animals are barely as valuable as they were nine to fourteen years ago, and had not the price of corn ascended to a high figure, perhaps he would not have shared in the higher beef prices."

Another explanation of the high price of meat is given in the following editorial in the New York world:

"The statement submitted by Armour & Company in connection with the listing of a bond issue of \$30,000,000 on the Stock Exchange shows the packing industry to be even more profitable than had popularly been supposed. The company by its own showing made a gross profit of \$10,582,000 for the year on a capital stock of \$20,000,000 and earned a surplus of \$7,127,926, or the equivalent of a dividend of 35.6 per cent.

"Here is something more than the potentiality of wealth beyond the dreams of avarice. It is avarice itself in the manufacture and sale of a necessity of life. Armour & Company by their own admission have justified the charges of extortion brought against the beef trust.

"In the light of this enormous profit the explanation of the high price of meat recently made by the chairman of the packers' committee requires modification. That explanation was in effect that the packer, being obliged to pay a higher price for live stock, passed on the additional cost to the consumer. This, however, is not the whole story of the rise of mess beef from \$8.85 a barrel in 1906 to \$13.20 in 1908. For its full understanding there must be taken into account the millions in surplus profits reserved by the packers to convince Wall Street of the safe and lucrative nature of their business.

"It is the necessity the consumer is under of payment of 35 per cent profit and guaranteeing bond issues that makes meat dear."

The Lighting of Country Homes.

In this advanced age what is probably the most needed improvement in the farm home has had the least attention. The farmer has been buying gasoline engines, to lessen his labor in preparing his grain, pumping water, running cream separators, and for other useful purposes on the farm. He has bought all kinds of modern machinery and farm implements as fast as new ones come out, provided they promise to grow more grain, save more grain, or lessen the cost of cultivation or harvesting. He has bought automobiles to secure more rapid transportation to and from the market as well as for pleasure. He has bought improved breeds of live stock, has invested in heavier draft horses, has secured improved strains of seeds, has connected with the telephone line to keep in close touch with the markets and the neighbors, but he has not bought good lights for his home.

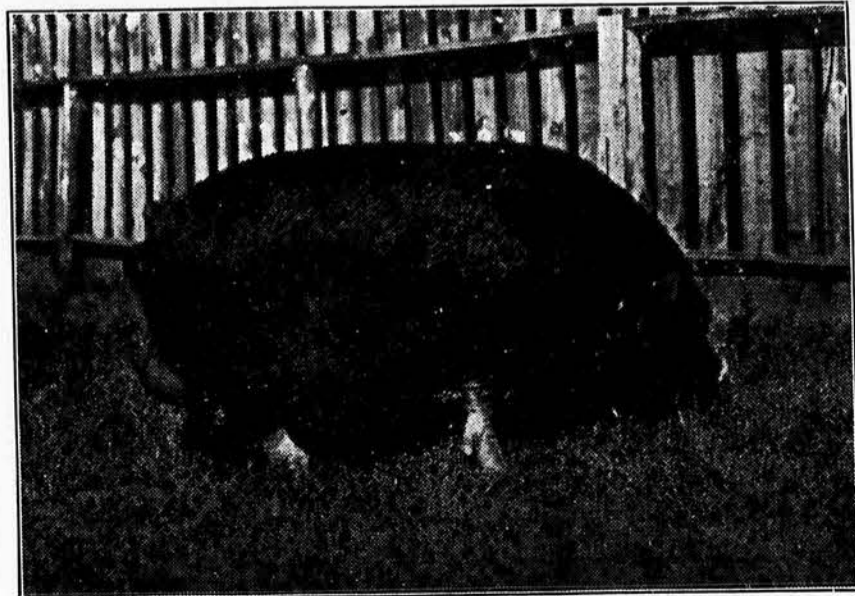
The average farmer hardly realizes what vast improvements have been made in solving the lighting problem until he begins to investigate. He inquires whether such lights are safe and whether he should invest in one, but after learning the facts and testing the new style of lighting he will not be content to get along without it. There is no other improvement in home life that is so important to the health and comfort of the farmer and his family as is a good light. As he is generally beyond the reach of the electric light, he must turn to something else.

There are many kinds of lighting plants on the market, but there is no question that acetylene has proved so far superior to any other that is available to him that acetylene plants are above comparison for his use. For an ordinary seven or eight room house one can have light in every room, on the porches, in the basement and in the barn if desirable with an average cost of only from 75 cents to \$1.50 per month and this will give him an abundance of light of the purest quality that is easy to work by, to read by or to sew by.

Few people know that acetylene is the only light in the world that is almost exactly like sunlight; that it contains the same chemical properties and is the purest light known. It is the only light under which colors do not appear to change, and one can match colors with its aid at night as well as he could in the day time.

This light question is a serious one and will bear full consideration at this time. The home with a good light is the one in which spectacles are not needed for long years.

Congressman Anthony has been urging upon Congress the desirability of constructing a good road from Fort Leavenworth to Fort Riley for two years past. We do not know that the military service of the Country demands such a road but the people do and, if such a road were built, it would be invaluable as an object lesson and of very great value to Northeastern Kansas. If this road were built it would undoubtedly become the nucleus about which a great system of state roads would be constructed. Mr. Anthony has worked on this proposition for about 2 years and results seem to be in sight.



Colossus, by Expansion, the famous Poland China boar now at the head of H. C. Dawson & Sons, herd at Endicott, Neb. Sale at Topeka, State Fair grounds, Jan. 13, 1910.

40 = 40 POLAND CHINA BROOD SOWS

The best of the breed will be sold at

ELDON, MO. JANUARY 21, 1910

This offering is positively the best bred lot of high class prize winning blood to be sold this year. No. 1—American Beauty by Corrector 2d, dam Beauty Perfection. No. 2 is Colonial Girl, a litter sister to No. 1 and bred to Decatur for March 1 litter. No. 3 is Klever's Best by Darkness Perfection, the first prize sow at Missouri State Fair 1907, in 2-year-old class, bred to Decatur for March 1 litter. This is a tried brood sow. No. 4, by Corrector 2d and out of Cute Keep On, safe in pig to Parnell. No. 5, Classmate by Decatur, out of Cute Keep On, bred to Parnell. No. 6, Black Princess by Decatur, dam Princess Gatey, bred to Masticator 2d. No. 7, Glays by Corrector 2d, champion sow Kentucky State Fair 1909, bred to Decatur. In this offering there will be 18 sows and gilts sired by Corrector 2nd.

12 gilts by Decatur and other up-to-date breeding. Send your name in early for catalog and arrange to attend my sale. If you can not attend send bids to O. W. Devine, representing the Kansas Farmer, in my care and they will be honestly handled.

H. B. VANHOOSER ELDON, MISSOURI

65 - POLAND - 65 CHINAS

THE CREAM OF

F. G. NIES & SON HERD OF HIGH CLASS POLAND CHINAS

Sale will be held at

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21 tried sows sired by such boars as Mischief Maker, Impudence, Chief On & On, Meddler Correct, Meddler 2d, Meddlesome, On & On Chief, Perfection Jr., Perfection E. L., Boom De Aye, Corrector 2d, Pruitt's Perfection, Mischief Maker 2d, Success and High Ball.

35 gilts sired by Modern Monarch, High Ball, Grand March 2d and Spangler's Hadley.

20 of these will be bred to "Bijinks," by Hadley. Bijinks is a big March pig with lots of quality and large bone.

9 spring boars sired by Modern Monarch and "On the Plumb." This is a large offering but so much the better for the buyers for there will be more bargains. For information about this offering of big, smooth Poland Chinas, write us for catalog, mentioning Kansas Farmer, and arrange to attend this sale. If you can not come send bids to O. W. Devine, representing Kansas Farmer. Address

F. G. NIES & SON GODDARD, KANSAS

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POULTRY



Are your hens laying? If not, why not?

If they are laying these cold days, you are fortunate, for the probabilities are that you can keep them laying all winter.

If they are not laying, try and find what is the difficulty. The chances are that the house is too cold for the hen's comfort.

Sometimes hens will lay in a house that is cold enough to freeze the drinking water, but will not lay where it is so cold as to freeze their combs.

A poultry house need not be artificially heated to be warm enough for the hens to be comfortable and lay eggs, but it should be built very tight and snug, so as to exclude all drafts of cold air.

In such a house if the hens are fed a warm mash in the morning, just enough to warm them up, then given small grains in plenty of scratching material they will manage to keep themselves warm during the day and be in good condition for laying.

On very cold days it is a good plan to have the drinking water warm so as to keep it from freezing so soon as it would if cold. But ordinary cool water will do provided you give it to the fowls several times a day. They must have plenty of pure water or they cannot manufacture eggs.

Hens that are not laying these days can be coaxed sometimes by feeding them a small amount of cut bone or fresh meat in some form. Plucks secured from the butchers make a good meat ration.

Of course, some kind of green food is necessary for laying hens, now that the ground is covered with snow with no green blade in sight. Cabbage, turnips, beets or small potatoes are all good; so is scalded alfalfa leaves.

During very cold weather it is absolutely necessary that the eggs be gathered several times a day; for if they are left in the nests they are apt to be frozen. The evil habit of egg-eating is very often formed by hens getting their fruit tastes of eggs from eating a cracked one which has frozen in the nest.

Now that green food is so scarce would be a good time to sprout some oats or barley. These sprouted oats are what you see advertised as poultry feed for 15 cents per bushel. While it will not take the place of corn and other grains still as green

food it is very acceptable to the hens and if not an extra nutritious food is a very healthy one. Those who advertise the secret sell it for a dollar and won't allow you to tell anyone else about it, but here it is for nothing and you can spread the good tidings among all your neighbors if you wish. Barley sprouts are considered better than oat sprouts but as the latter grain is raised more generally than barley, it will answer the same purpose. Put the oats in a pail or tub and cover with hot water and let them remain for 24 hours. Then draw off the water and empty the grain into a shallow box having holes in the bottom. Keep it moist by sprinkling with warm water two or three times a day. Set in a sunny or warm place and in a few days it will germinate and start growing. Then when healthy, green sprouts appear, use as feed. The hens will eat the roots as readily as the sprouts. With a temperature of 60 degrees, 10 days will bring these results. If you have a furnace cellar it would be the very place to do the sprouting. If not any place near the kitchen stove will do, provided the good housewife will permit it. By having several small boxes you can have green feed all the time.

Central Kansas Poultry Show.

The Central Kansas Poultry Association held their third annual exhibition at Newton, Dec. 6 to 11. The weather was very severe but the show was a success, large crowds attending to see the fine exhibit of birds.

THE AWARDS.

Barred P. Rocks—H. P. Moore, Great Bend, 2nd cockerel, 2nd hen; R. Harmston, Newton, 1st cock, 5th hen, 4th and 5th cockerel, 2nd pen; W. H. Phillips, Newton, 5th cock; Shelly Bros., Elmdale, 2nd, 3rd and 4th cockerel, 1st, 3rd and 4th hen, 3rd cock, 2nd, 3rd, 4th and 5th pullet, 1st and 3rd pen; C. C. Lindamood, Walton, 2nd hen, 1st cockerel, 4th pen
Buff Plymouth Rocks—E. D. Martin, Newton, 2nd, and 3rd, cock, 3rd and 5th cockerel, 4th and 5th pullet, 2nd pen; W. F. Alden, Elsworth, 1st cock, 1st pen, 1st and 2nd cockerel, 1st, 2nd and 3rd pullet, 1st pen; Chas. Brummer, Newton, 4th cockerel.

White Plymouth Rocks—J. T. Welsh Whitewater, 1st cockerel, 1st and 2nd hen, 1st and 2nd pullet, 1st pen.

White Wyandottes—Ginnette and Ginnette, Florence, 1st and 2nd hen, 1st and 2nd cockerel, 1st, 2nd, 3rd and 4th pullet 1st pen.

Partridge Wyandottes—C. J. Page—Salina, 1st cock, 2nd, 3rd, 4th and 5th hen, 1st pen; W. R. Fretz, Arkansas City, 1st hen, 2nd cock, 1st and 2nd pullet, 2nd pen.

Columbian Wyandottes—G. D. Willems, 1st cockerel, 1st, 4th and 5th hen, 1st cock, 1st, 2nd and 3rd pullet, 1st and 2nd pen.

Silver Wyandottes—J. H. Becker, Newton, 1st cock, 1st, 2nd, 3rd, 4th and 5th pullet.

R. C. R. I. Reds—G. D. Williams, 3rd cockerel; Chas. Wichita, 2nd cock, 4th cockerel, 4th and 5th hen, 4th pullet, 4th pen; J. K. Miller, Newton, 3rd pullet, 3rd pen; F. G. Barker, Salina, 4th and 5th cockerels, 5th pullet, 5th pen; W. R. Munroe, Florence, 1st cock, 1st and 2nd cockerel, 3rd hen, 1st, 2nd and 4th pullet, 1st and 2nd pen.

S. C. R. I. Reds—Chas. Cerf, 1st pen; F. G. Barker, 4th pen; W. R. Munroe, 1st cock, 1st, 2nd, 3rd and 5th cockerel, 2nd, 3rd, 4th and 5th pullet, 1st, 2nd and 3rd pen.

Buff Orpingtons—G. F. Koch jr. Elinwood, 4th cock, 4th cockerel, 5th pen; E. D. Root, Newton, 5th cockerel, 3rd and 5th pullet, 4th pen; W. B. Borders, Wichita, 1st cockerel, 1st, 2nd, 3rd, 4th and 5th hen, 1st, 2nd and 3rd cockerel, 1st, 2nd and 4th pullet, 1st, 2nd and 3rd pen.

White Orpingtons—A. O. Haury, Newton, 4th and 5th cockerel, 3rd pullet, 3rd pen; A. B. Comad, Newton, 1st, 2nd and 3rd cockerel, 1st pen; A. F. Ferguson, Severy, 4th cock, 1st, 2nd, 3rd and 4th hen, 1st, 2nd, 4th and 5th pullet, 2nd and 4th pen.

Black Orpingtons—Roy S. Parks,

"Figure Out The Steps"

Taken every day by not having a farm waterworks. Ridiculous waste of labor and time when a complete system costs so little compared with its great value. Learn about our Windmill Regulating Force Pump and how easily you can supply pure water to your house, stables and stock troughs—everywhere you may want it.

DOUBLE ACTING
Red Jacket
FORCE PUMPS

represent the best and latest in pump manufacture—possess exclusive patent features not found in other pumps. They are built on scientific principles—made to give service—are thoroughly reliable. Both valves can be flushed without removing the working parts—plunger, check-valve and suction rod can be taken out without disturbing pipe or platform—they are justly called "So-Easy-to-Fix" pumps.

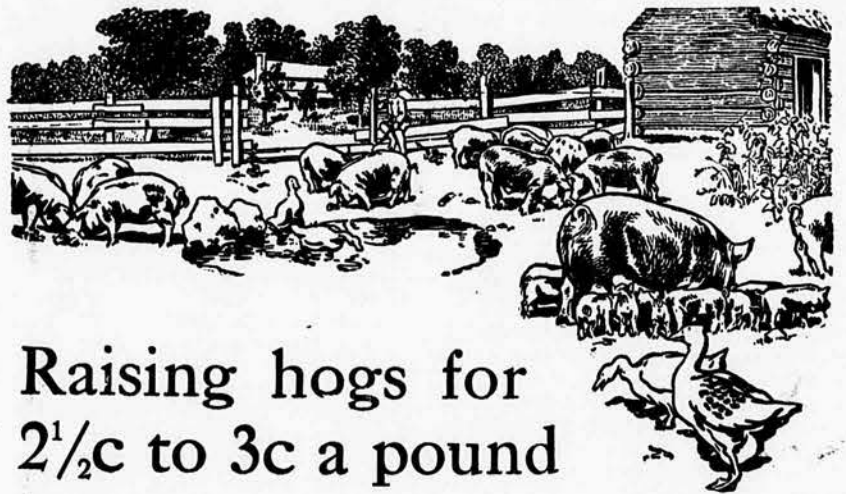
The Red Jacket Pumps are of attractive appearance—finished in bright red, striped with gold and bearing the famous Indian head trade mark—the mark of quality, efficiency and individuality.

Red Jacket Pumps are sold by leading pump dealers. Write today, giving name and address of your dealer, and we will mail you interesting booklet, "Your Water Supply."

Red Jacket Mfg. Company, Davenport, Iowa
Largest exclusive manufacturer of pumps in the world.

YOUR WATER SUPPLY

Pumps and their Possibilities



Raising hogs for 2 1/2c to 3c a pound

Hogs can be grown in the Ozarks to weigh 300 pounds without ever having had three bushels of corn—the cost will not exceed 2 1/2c to 3c a pound.

Such results as this can easily be accomplished on a small dairy and stock farm in the Ozarks.

It is all a matter of proper feeding. A hog should have a complete ration. First provide an abundant pasture of grasses, clovers, rape, sorghum peas, peanuts and soja beans. These grow abundantly in the Ozarks. When the hog is well grown on these, prepare a balanced ration of ground rye, barley, soja beans, cow peas, adding, during the last few weeks, a little corn to harden the lard and flesh. Pour the warm skimmed milk from the cream separator over this balanced ration, and feed to the pigs in a clean trough, for a few weeks, and they will become great profitable hogs. Keep the hogs clean and do not let them sleep in old straw stacks or pile up together.

Give them pure water, which is plentiful in the Ozarks, and they

will pay you well for your trouble. Do not depend too much on corn for hog feed—it is the highest priced feed on the farm, when relied on entirely. One acre of corn will sometimes produce as little as 150 pounds of pork, whereas the same land, if planted in peanuts, will produce 1200 pounds of pork. Besides, corn takes nitrogen from the soil, while peanuts will put in from \$2.00 to \$5.00 worth of nitrogen, per acre. Furthermore, corn must be harvested and shucked, while the hogs themselves harvest the peanuts.

Plant peanuts, provide movable fences and let the hogs gather the crop and enrich the soil.

Hog raising is just one feature of intensive farming in the Ozarks. Cows, sheep, mules, poultry and fruit are all very profitable.

A small farm devoted to these pursuits will return a big profit on a small investment of cash and labor.

If you will get a small farm in the Ozarks, set out an orchard of well selected varieties, lay out a vegetable garden and berry patch, stock the farm with poultry, cows, pigs, sheep and mules; grow the feeds and grasses you need for them, you will realize a greater profit than you possibly could make on a big grain farm elsewhere.

Furthermore you would live in a beautiful country, in healthful surroundings, free from malaria and away from severe cold and snow. You would be within a few hours of three large markets—St. Louis, Kansas City and Memphis and would have advantage of good local markets, schools, churches, etc.

It will be worth your while to look farther into this. We have some attractive books full of plain facts about the Ozarks. They will interest you. Write for free copies today.

Alex. Hilton, General Passenger Agent, 1510 Frisco Bldg., St. Louis.

Kansas Farmer ads Bring Results

Send for Sample of PAGE WOVEN WIRE FENCE

We offer to send, free of charge, an actual sample of Page Woven Wire Fence, just as it comes from the big looms. Each one is "a sermon in steel." The tremendous success of Page Fence which is now on its Quarter Centennial Year, is due to the fact that its makers have always given full measure of honest value. It is the old reliable time-tried wire fence that outlasts them all. Admitted to be the strongest wire fence in existence.

Send today! See the real Page Wire! Get next to the "Page Knot!" Get the great Quarter Centennial Edition of the Page Fence Catalog and learn the difference between Page Fence and the ordinary kinds. Find what Page Fence means in economy. Write at once and both the free sample of Page Fence and the big Catalog will be sent promptly. Address

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For Rabbits, Chickens, Hogs, Sheep, Horses, Cattle. 160 styles. Big heavy No. 9 galvanized Coiled Spring rust proof wires. Will defy stock, wind and weather. Free sample & cat'g. 15 to 35c per rod. We pay freight.

The Brown Fence & Wire Co.,
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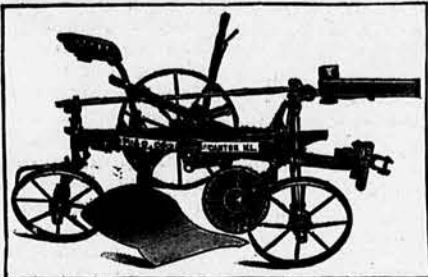
FENCE STRONGEST MADE. Bull-tight. Sold to the user at Wholesale Prices. We Pay Freight. Catalogue free.

COILED SPRING FENCE CO.,
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P&O CANTON SULKY PLOW

Goes Into the Ground Point First and Comes Out of the Ground Point First—the Team Doing the Work.

**Beam Hitch
Foot Lift
Light Draft
Low Frame
Light Weight**



**High Lift
Self-Leveling
Easy Running
Strong and
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Made both Single and Gang, Right or Left Hand, and with All Styles of Bottoms.

The best medium-priced riding plow made, and stronger than any similar plow. It has the only genuine automatic steering rod made; protected by our patents. Has every necessary convenience and adjustment, and is in every respect what you want—a perfect plow.

Write for Beautifully Illustrated Pamphlet and Catalog No. A 43 Parlin & Orendorff Co., Canton, Illinois.

Which One Will You Test on Your Farm for Ninety Days? Freight Prepaid



Which will you try, 30 Days' Free or 90 Days' Approval Test?
—Any capacity from 200 to 950 pounds per hour, according to your needs, and I'll save you from \$25.00 to \$50.00 on the price.

—The only Separator whose gearing runs in a "Bath of Oil" like a \$5,000 automobile—Feature worth \$50.00 alone.
—Automatically oils itself—Pour oil at the top, once a month from your oil jug or can—No danger of running dry, or ruining it like others—No oil cups to remember to fill or turn up twice a day.
—Dust-proof—Danger-proof—All gears enclosed—simple but standard built and absolutely dependable.

Only \$33.50 and Up

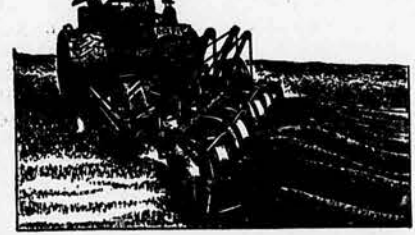
I'll Save You \$25 to \$50

GALLOWAY'S New "Bath in Oil"
HIGH GRADE STANDARD CREAM SEPARATORS
—Has the only revolving supply tank—worth \$15.00 alone.
—Easiest to clean and the few parts come out easy and can't get back out of place.
—Easiest to run—high crank—low tank. With no high lifting and no "back-breaking" cranking.
—Gets the finest quality cream and all of it—no lumps or churning, as Nature's true principle is followed without forcing either the milk or cream the wrong way up or down.
—Skims closest in any climate or season, no matter whether your milk is warm or cold.
—Is as handsome a machine, compact and substantial, as you ever saw or could find. Beautiful finish.

—Let me send you my Big New Separator Book—post paid—Free, so you and your wife and the boys and girls can talk it over and then try one of my separators under my easy plan for you to do it.
You'll call it the best if you test it alongside any of the highest priced \$85.00 and \$110.00 separators sold by anybody today—makers—catalog houses—dealers—jobbers or anybody else. Write me today.
Wm. Galloway, Pres.
WM. GALLOWAY COMPANY
383 Galloway Sta., Waterloo, Ia.

You Can Plow 40 Acres a Day

Forty acres are an easy possibility with the REEVES STEAM MULTIPLE GANG PLOW. The only really successful outfit is the



Reeves Flexible-Frame Steam-Lift 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 steam plowing. Shows steam-plowing scenes and gives letters from steam-plow users.
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H. & H. WOLF and DAVID COOPER



IMPORTED and HOME BRED BELGIAN STALLIONS

Branch Barn of H. & H. Wolf, Wabash, Indiana.

The same terms and insurance will be given at Freeport, Kan., as at Wabash, Ind. Several extra good two, three and four year old stallions, one that weighs a ton and ten pounds at 27 months old. All are good individuals, guaranteed as represented. Priced reasonable. Write or call and see me.

DAVID COOPER, Mgr.,
Freeport, Kansas

quails crops at one time. Evidently the quail is as valuable for weed as for insect destruction. He is ornamental as well as useful and the farm on which numerous flocks of quail are to be found is an attractive place. He does all he can for the farmer and is surely entitled to some consideration in return. Every farmer should be on the alert and protect Bob White, not only from the horde of irresponsible hunters who pay no attention to law or property rights but against the inclemency of the weather as well. During the late cold snap the ground was covered with ice and crusted snow to such an extent that the food supply of the quails was rendered inaccessible and Bob White must have had a hard time. During such seasons, the farmer is simply taking care of himself when he takes care of his quails. A little grain sprinkled in a sunny place will be highly appreciated by them and will pay big returns.

Kansas Made Hog Cholera Serum.
Present Production Sufficient to Immunize One Hundred Hogs per Week
Much has been written within the last few months, and particularly by the country press, finding fault with the Kansas State Agricultural College because it is not able to supply swine growers with hog cholera serum. KANSAS FARMER has been keeping its readers as fully informed regarding the matter as the facts would warrant and has stated from time to time that the Kansas State Agricultural College would be able soon to provide the serum. A few days ago this editor addressed Dean Webster asking what progress was being made and here is his reply

The veterinary department has been producing anti-hog cholera serum for some time. This serum, however, will not be ready for use in the state for several weeks, as it must first be thoroughly tested before it is applied in the field.

Each hyperimmune hog yields from four to six drawings of serum, about ten days apart. This must all be mixed together and tested before it can be used, as the first drawings are too strong and the later ones too weak. The process, in order to yield reliable and potent serum, is slow and exacting, but the plant is now producing serum as accurately and as rapidly as can be done by any plant of its age and size in the world.

Dr. Schoenleber personally supervises the work and the details are carried out mostly by Dr. E. F. Kubin, a graduate of the veterinary department of the Kansas State Agricultural College, who received the most of his training in this work at the Federal plant at Ames, Iowa, under the instruction of Dr. W. B. Niles, government expert and originator of the process and Dr. Greeder.

The people of Kansas may rest assured that the serum produced at the Agricultural College will be as potent as can be made and it will be ready for use as soon as consistent with safety.

The plant is now yielding enough serum per week to immunize about one hundred head of hogs. This will

be doubled in another week, after which the number will be increased every few days at the same rate for several months, which is as rapidly as can possibly be done anywhere or by anyone.

There are now in use 7 susceptible hogs, 27 immunes, 9 either producing serum or almost ready to yield virulent blood. There will be added probably in a week or ten days about 50 more susceptibles, and by the first of January, 1910, as many more.

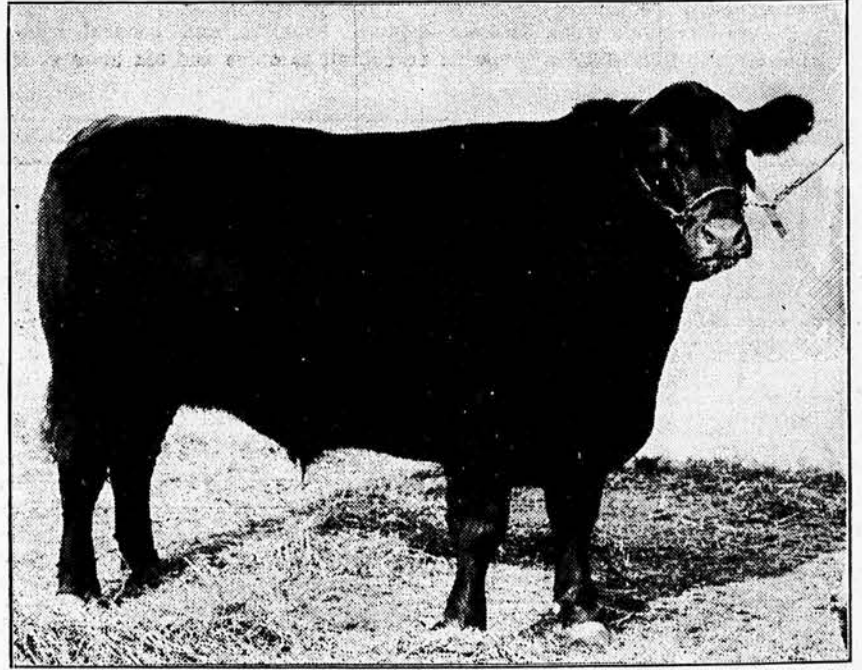
The present plans are to keep constantly on hand, ether in use or ready for use, about 200 head of hogs during the winter months.

The serum can be preserved, stored and kept for several years if necessary, which will allow the producing and storing up of a large supply for future outbreaks of cholera.

To illustrate what this means to Kansas swine growers a statement regarding the work done by the Missouri Experiment Station will be valuable. With serum from that institution over 12,000 hogs from infected hog cholera herds have been inoculated within the past year with a saving of ninety to ninety-five per cent of all hogs which were well at the time of the inoculation. Without treatment at least eighty to eighty-five per cent of the hogs would have succumbed to the disease. When the Missouri farmer knows that the loss from the dreaded disease in this state alone is conservatively estimated at \$2,500,000 he is face to face with this self-evident proposition: that the husbanding of the state's resources by the prevention of hog cholera is certainly an important item. Up to date over forty counties in Missouri have been reached with this preventive serum produced in the laboratories of the Experiment Station. On an average over 2,000 hogs are inoculated monthly. If 1,800 of these are saved and they will average \$10 a head, we have a saving to the state of \$18,000 monthly, or over \$200,000 yearly. In addition to this the effective checking and control of cholera which prevents any subsequent infection saves equally as much if not more. When it is realized that the amount of this saving is more than the state has put into the college and station for its maintenance during its entire existence the returns for the money invested is doubly appreciated, and the work of hog cholera prevention is but one of the many means wherein the station is saving the state's resources.

A New Book on Fruit Growing.
The Webb Publishing Co., St. Paul, Minn., has lately issued a very valuable and comprehensive book on Popular Fruit Growing by Professor Samuel B. Green of the University of Minnesota. This is a book of 300 pages that is published especially for beginners in fruit growing yet which much that is of value to the experienced orchardist. Prof. Green is the author of "Vegetable Gardening," "Amateur Fruit Growing," "Principles of American Forestry," and other works of recognized value.

This book is well written and well illustrated and, being the second edition, is brought down to date.



King Ellsworth 102185, Aberdeen Angus. Grand champion steer at the International Live Stock Exposition, 1909. Owned, fitted and exhibited by the Kansas State Agricultural College.



The Edison!

The Latest Style EDISON Phonograph in Our New Outfit No. 10—this superb entertainer, Mr. Edison's latest, final improvement of phonograph—shipped

FREE!

Yes, free. I don't ask a cent of your money—I don't want you to keep the phonograph—I just want to give it to you on a free loan—then you may return it at my own expense.

Read the Offer:

I want you to get this free outfit—the masterpiece of Mr. Edison's skill—in your home. I want you to see and hear Mr. Edison's final and greatest improvement in phonographs. I want to convince you of its wonderful superiority. Give a free concert; give a free minstrel show, music, dances, the old fashioned hymns, grand opera, comic opera—all this I want you to hear free of charge—all in your own home—on this free loan offer.

I will ship you free this grand No. 10 outfit, Fireside Model, with one dozen Gold Moulded and Amberol records. You do not have to pay me a cent C. O. D. or sign any leases or mortgages. I want you to see and hear Mr. Edison's final and greatest improvement in phonographs. I want to convince you of its wonderful superiority. Give a free concert; give a free minstrel show, music, dances, the old fashioned hymns, grand opera, comic opera—all this I want you to hear free of charge—all in your own home—on this free loan offer.

MY REASON—My reason for this free loan offer, this extra liberal offer on the finest talking machine ever made—see below.

MR. EDISON Says: "I Want to see a Phonograph in every American Home."

The Phonograph is the result of years of experiment; it is Mr. Edison's pet and hobby. He realizes fully its value as an entertainer and educator; for the phonograph brings the pleasure of the city right to the village and the farm home. Now, the new Fireside Edison Phonograph of our outfit No. 10, 1910 Model, is the latest and greatest improved talking machine made by this great inventor. Everybody should hear it; everybody must hear it. If you have only heard other talking machines before, you cannot imagine what beautiful music you can get from the outfit No. 10. This new machine is just out and has never been heard around the country. We want to convince you; we want to prove to you that this outfit is far, far superior to anything ever heard before. Don't miss this wonderfully liberal offer.



My Reason

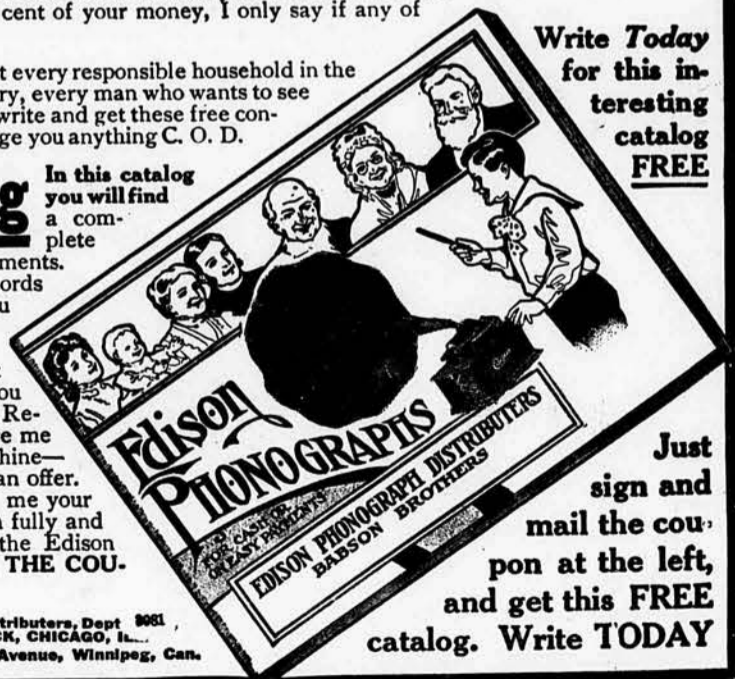
I don't want you to buy it—I don't ask you to buy anything. But I do feel that if I can send you this great phonograph and convince you of its merits, of its superiority, you will be glad to invite your neighbors and friends to your house to let them hear the free concert. Then, perhaps, one or more of your friends will be glad to buy one of these great outfits No. 10. You can tell your friends that they can get an Edison Phonograph outfit complete with records for only \$2.00 a month—\$2.00 a month—the easiest possible payment and, at the same time, a rock-bottom price. Perhaps you, yourself, would want a Phonograph, and if you ever intend to get a phonograph, now is the chance to get the brand new and most wonderful phonograph ever made, and on a most wonderfully liberal offer. But if neither you nor your friends want the machine, that is O. K.; I simply want you to have it on a free loan, and perhaps somebody who heard the machine will buy one later. I am glad to send it on a free loan offer anyway. I will take it as a favor if you will send me your name and address so I can send you the catalog—then you can decide whether you want the free loan. There are no strings on this offer, absolutely none. It is a free loan that is all. I ask not for one cent of your money, I only say if any of your people want to buy a phonograph, they may get one for \$2.00 a month, if they want it.

Now, remember, nobody asks for a cent of your money I want every responsible household in the country, every man who wants to see his home cheerful and his family entertained, every good father, every good husband, to write and get these free concerts for his home. Remember, the loan is absolutely free from us, and we do not even charge you anything C. O. D.

Write for the FREE Edison Catalog

In this catalog you will find a complete

list of music and vaudeville entertainments. You can pick out just the kind of records you want for the entertainment you want on this free loan in your own home. Get this catalog at once, then you can decide whether or not you want a free loan and when you want it. You can also decide just the music you want. Remember, I will appreciate it as a favor if you will give me the opportunity of sending you this latest style machine—the climax of Mr. Edison's skill—on this free loan offer. I will appreciate it especially if you will send me your name and address anyway right now, so I can fully and clearly explain our methods of shipping the Edison Phonograph on a free loan offer. **SIGN THE COUPON TODAY. Do it right now.**



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PERCHERONS, SHIRES, BELGIANS, COACH IMPORTED & AMERICAN BRED STALLIONS



WE HAVE a fine herd to select from. Our horses are the best we could buy. You will always find from 35 to 100 head **STALLIONS** and **MARES** on our ranch at all times and we cordially invite your close inspection. We have been in the business for 25 years and we know what we are talking about when we say that we have the best lot of horses, barring none, that was ever assembled under one roof in this state. If you will come and inspect our stock and if it is not as represented we will pay your expenses to and from our barn.

We do not handle any imperfect horses. We do all of our own buying and selling. All of our horses are bought under personal supervision, and therefore we guarantee every horse as represented. To Prospective Buyers.—It will save you money to write us or come to our ranch before buying elsewhere. We are located near **ELMDALE, KAN.** Our ranch consists of 1600 acres, and we are here to stay. All of our horses are sold on our ranch, with an absolute guarantee, and priced reasonably. We are here to please the most critical buyer. Write at once or come and see us.

L. R. WILEY & SONS
ELMDALE, KANSAS

FRANK IAMS

Says "Huskey Ikey Horseman"—Cheer up
Every day is "bargain day"—a "horse show day"—and a day of "profit and pleasure" at Frank Iams' "Stallion and Mare Emporium," and largest in U. S. at St. Paul, Nebr.—the best town in the "grasshopper state," you will positively see here—more imported Stallions and mares—"Topnotchers"—"Medal winners," "ribbon grabbers"—and every day "business" horses—than at any "Horse plant in U. S., and double all other in Nebr. Iams—backs up his "ads and catalog" with a "500.00 Bonus"—(no others do this). He gives (5) of best banks in Nebr. for reference—Iams'

200 KINGS AND QUEENS OF "PERCHERONS AND BELGIANS"

are all "topnotchers"—no International "tail ends"—no "auction stuff"—no pick-ups—or "peddlers' horses"—but the best bunch of big-boned, big drafters—of quality and finish in U. S., and in the "pink of condition." Iams is the "big fly in the ointment" in the "horse business"—He "sets the pace" for all competitors—Iams leads the procession—"you Candy Kid"—Buy an imported stallion and 2 mares of Iams—the horseman that "does things"—

GET INTO IAMS' BAND WAGON

don't be "sidetracked" by any "Hammer Knickers." Mr. Ikey Boy—"Waltz me around once again" and land me at Iams' "4 Importing Barns" and Box Office—Filled to the roof with big "black boys and girls"—at bargain prices. Iams is the only horseman that really "has the goods" as advertised.

1910 promises to be the most prosperous year in history. "Uncle John"—"Never mind who is president." "Come on down town." All the world knows Mr. Frank Iams, the big horseman. He sold sixty imported stallions and mares to "Iowa Boys" in 1909 and 185 "topnotchers" to the boys with brains in other states. Iams sells \$4,000

IMPORTED STALLIONS AT \$1,000 AND \$1,400

(some higher). Imported mares in foal, 1,700 to 2,200 pound girls at \$700 to \$1,000, many state prize winners. Iams sells the "wide-as-a-wagon-kind" that don't need to be "peddled" or put on the "auction block" to "catch suckers." Iams has stood the test for twenty-seven years and is building more barns yearly. Mine son, Ikey, get Johnny wise. You try Iams, the "peaches and cream" stallion man. He is the largest individual importer and breeder of Percheron-Belgians in the U. S. Iams has a "warm spot in his heart" for all stallion buyers. He is saving farmers thousands of dollars yearly by selling stallions direct to the people, (saving them all middlemen's profits). Iams is an expert horseman, he knows the "topnotchers" 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 the stallions.



IAMS, AND BELGIAN AND PERCHERON, REAL "PEACHES AND CREAM," WINNERS.

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 \$1,000 stallion for \$3,000 to \$4,000. Son Ikey form your own "stallion company." Visit Iams' town of stallion barns filled to the roof with big, black boys, the "best ever"—"Iams' kind." His 200 stallions, 2 to 6 years old, weighing 1,700 to 2,500 pounds, 90 per cent blacks, 50 per cent ton horses, are a

Horse Show Better than the International

You and your friends will not be angry with the judge, as Iams' stallions are prize winners and sons of winners, and Iams is too big a business man and gentleman to bar you from Iams' Horse Show. It's free every day in the year and his "peaches and cream" stallions and "let live" prices have them all "skinned a mile and repeat." Iams' twenty-seven years of successful business, importing and selling stallions, make him a safe man to do business with. He sells stallions on honor.

A Boy Can Buy as Cheap as a Man

and get a better horse of Iams—the square-dealing horseman. If you visit him and don't find every statement in his advertisement or catalog as represented, you can get that \$500 that he hangs up. Iams guarantees to sell you a better stallion at \$1,000 and \$1,400 (few higher), than are being sold to farmers' stock companies at \$2,500 to \$4,000, with 60 per cent breeding guarantee, 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 stallions himself, at his horse barns, he buys stallions by special train-load, 200 at a time. He speaks the languages, saving 20 per cent. He is not in the "stallion trust," saving you \$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 spot cash for his stallions, owns his farms, houses, barns, stock 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.

Iams Will Save You \$1,000 or More in Commissions

and middlemen's profits. Dear old dad. Buy me a pair of imported (branded mares). They will raise me colts at six months old that I can sell at \$500 and be good for twenty years. Iams has the kind that lay those "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. Write for Iams' Million Dollar horse catalog. Iams'

Guarantee is Backed by Half Million Dollars.

ST. PAUL, NEBRASKA.

This week start the advertisement of Mrs. D. M. Gillespie, the well known breeder of Barred Plymouth Rocks...

A Perfected Light for Farm Homes. At last there is has been perfected a light that is being rapidly installed in almost every farm home throughout the entire United States...

Geo. Kitchen Jr. Visited. The writer recently spent a few hours very pleasantly at the home of Mr. George Kitchen well known Angus breeders located at Gower, Mo.

Standard Poland China Meeting. President R. E. Maupin of the Standard Poland China breeders association announces the following program for institute day of the annual meeting...

Program. Sale and Delivery—Shall constitute transfer. Robert E. Maupin, Pattonsburg, Mo. Discussion. The Pig From Farrowing to Weaning Time—How to Successfully Raise Them in Western Neb.

Roy Johnston Sells Jan. 29, 1910. Don't forget Johnston's sale of large type Poland Chinas at South Mound, Kan., Jan. 29. In this offering will be sold 15 of the largest sows to be offered this year.

Bell's Jan. 7th Sale Last Call. Let one of your New Year's resolutions be to attend Ben Bell's big Poland China bred sow sale to be held at Mr. Bell's farm...

DUROC JERSEYS

R. & S. FARM. In their Bred Sow Sale, Feb. 3, 1910, at Smith Center, Kan., will offer about 40 select Golden Ruler Gilts...

GILTS RESERVED FOR MY FEBRUARY 2 BRED SOW SALE. Big growthy spring boars for sale at bargain prices.

ELK CREEK STOCK FARM DUROC JERSEYS

Two valuable mature herd boars for sale. 100 spring pigs to select from. Best of breeding and individuality.

25 KING OF COL. 2nd, BOARS 25. Big strong fellows carrying the blood that has made the breed famous.

DUROC JERSEY BOARS AND GILTS. The tops of my spring crop. Sired by the Champion Chief Tattarrax and G. M.'s Carl Col. Dams of the richest breeding.

Hanley Strain of Durops. Write for prices. PAUL B. JOHNSON, Leavenworth, Kan.

GREENWOOD HERD DUROC JERSEYS. Herd boar Dandy Duke 64663, few choice spring boars for sale and few extra good spring and fall gilts.

CROW'S DUROC JERSEYS. Herd headed by Climax Wonder, he by Missouri Wonder, 100 head to select from.

"DUROCS GROWN IN THE OZARKS." Ohio Chief and Col. Blood. Litters by Muncie Chief, Model Prince, King of Models, Inventor, The King I Am Advance...

HOWE'S DUROCS. Special prices on boars and gilts sired by Rex K., champion at Wichita fair this year.

CEDAR LAWN HERD. Nice lot of spring boars, sired by Long Wonder, Bells Chief, Rose Bell and Top Model.

COPPINS CREST HERD DUROC JERSEYS. For sale, a few choice spring boars and one yearling.

Fitch's Kant- Chief Improver. A nice line of March and April boars to price worth the money after August 1.

Shorthorns at Bargain Prices. D. H. Forbes & Son, of Topeka, Kan., are advertising 25 extra good Shorthorn cows and heifers for sale at attractive prices.

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POLAND CHINAS

SNYDER BROS. HIGH CLASS POLAND CHINAS. Either sex, bred sows and bred gilts, priced right for quick sale.

SPANGLER'S BIG POLANDS. For sale now, 25 big smooth spring boars and 25 gilts, mostly by Spangler's Hadley.

POLAND CHINAS. 80 early spring Poland China gilts, tracing to the large type Expansion—will sell them bred or open, a few choice spring boars...

BRED SOWS AND GILTS FOR SALE. A few choice sows and gilts for sale, bred for fall litters.

BIG POLAND CHINAS. Headed by my big smooth boar Prince 45899. Our sows are strictly on the big order.

MELBOURNE HERD POLAND CHINAS. I have a few choice spring boars and gilts sired by Gold Metal, Hadley Boy and Klever Boy for sale at moderate prices.

BARGAINS. Ten choice big type boars for sale, sired by Prince Hadley and Captain Hutch.

HIGHVIEW BREEDING FARM. The only registered herd of big boned spotted Poland on earth.

RICHLY BRED POLAND CHINAS. Spring boars and gilts sired by Jewel Perfection 2nd, grandson of Chief Perfection 2nd.

GRAND PERFECTION NO. 77899. Spring pigs by this boar and out of richly bred dams for sale, either sex, at \$30 each.

STRICTLY BIG TYPE POLANDS 200. March and April farrow. Bell Metal, What's Ex., Nebraska Jumbo and Colossus head our herd.

BIG TYPE POLAND CHINAS. For quick sale few Aug. and Sept. boars, out of grandson of Expansion and Victor X. L.

STRYKER BROS. HERD POLAND CHINAS. The greatest show and breeding herd in the West.

GOOD POLAND CHINA BOARS. A fine lot of young Poland China boars that were sired by the great Lalla Perfection and out of my choicest sows.

DIETRICH AND SPAULDING. Have for sale some extra good spring farrow POLAND CHINA BOARS ready for service.

SOUTH MOUND STOCK FARM LARGE TYPE POLAND CHINAS

Herd headed by Orphan Chief (50986), John Ling (49897), and Logan Ex. (51718) and contains 30 great strictly large type sows the equal to which is hard to find in one herd.

MOVING PICTURES

OF THE WONDERFUL WORLD CHAMPION

DAN PATCH 1:55

MAILED YOU ABSOLUTELY

FREE

AND WITH ALL POSTAGE PAID

THIS IS THE LATEST HORSE SENSATION AND GREATEST TRIUMPH IN THE MARVELOUS AND REALISTIC MOVING PICTURE ART.

It is a New Invention that you can carry in your pocket and show your friends instantly day or night, either once or a hundred times and without a machine, curtain or light. It is the most Attractive Novelty and most pleasing Dan Patch Souvenir ever Invented and shows Every Motion of Dan Patch 1:55 in pacing one of his Marvellous and Thrilling World Record Miles and it is Absolutely True To Life.

A MILE OF THRILLING RACE PICTURES, 2400 MOVING RACE PICTURES OF DAN PATCH 1:55

and every one of the 2400 pictures shows the King of all Horse Creation as plainly as if you stood on the track and actually saw the mighty Dan Patch 1:55 in one of his Thrilling Speed Exhibitions for a full mile. Just think of it! 2400 Moving Pictures Taken Of Dan in 1 min. and 55 sec. means 21 pictures taken for every second all of the way around the entire mile track from the back seat of a high power automobile.

You Can See Dan Shake His Head To Let His Driver Know That He Is Ready And Then You Can Watch Every Motion Of His Legs As He Flies Through The Air With His Tremendous Stride Of 29 Feet. As A Study Of Horse Motion Alone This Is Better Than If You Saw The Actual Speed Mile Because You Can See Dan Patch Right Before You For Every Foot Of The Entire Mile And Not A Single Motion Of His Legs, Body Or Head Can Escape You.

You can see his Thrilling Finish as he strains every nerve and muscle to reach the wire in record breaking time, you can see his driver dismount and look at his watch while thousands of people crowd around, you can see his caretaker force his way through the crowds, uncheck Dan and then throw a beautiful woolen blanket over him to prevent catching cold and

MY LARGE MOVING PICTURES MAILED FREE TO ALL STOCKOWNERS

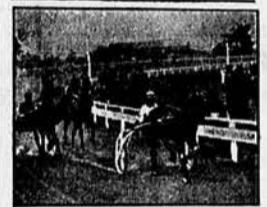
With Postage Prepaid--If You Are A Farmer, Stockman Or Poultry Raiser I Require A Correct Answer To These Three Questions. You Must Answer These Questions

1st. In what paper did you see my Moving Picture Offer? 2nd. How many head Each of Horses, Cattle, Sheep, Hogs and Poultry do you own? 3rd. How many acres of land do you own or how many acres of land do you rent? I Personally Guarantee Free To You One Of These Marvellous Moving Pictures, If You Answer These Questions And Write Me Today.--Signed.--M. W. SAVAGE.

IF YOU ARE NOT A STOCKOWNER AND WANT THE MOVING PICTURES SEND ME 25 CENTS FOR POSTAGE,

Packing, etc., in Silver or Stamps and I will mail you this wonderful Moving Picture of Dan Patch 1:55, the fastest harness horse the world has ever seen. -- If you send me Twenty-five Cents in Silver or Stamps--EVEN if you do not own any stock or land, I will mail it to you postage prepaid. It costs Thousands of Dollars to have one of the original pictures taken and reproduced. Write to

INTERNATIONAL STOCK FOOD CO., MINNEAPOLIS, MINN.



I OWN THE 5 FASTEST WORLD CHAMPION STALLIONS EVER OWNED ON ONE FARM IN THE HISTORY OF THE WORLD.

On my "International Stock Food Farm" of 700 acres I own Dan Patch 1:55, Minor Heir 1:59, Directum 2:05, Arion 2:07, Roy Wilkes 2:08 and also about 200 head of Young Stallions, Brood Mares and Colts and they eat "International Stock Food" every day. I will be pleased to have you visit my farm at any time and see my horses and their splendid condition. I feel sure that you never saw their equals at any Fair or Horse Show. ACTUAL TEST IS WHAT PROVES EVERYTHING IN THIS WORLD. If "International Stock Food" gives paying results for the highest priced horses in the world on my farm it certainly will pay you to use it for all of your stock. Remember that if it ever fails to give your Horses, Cattle, Sheep or Hogs, better assimilation and digestion, purer blood and perfect health with quick growth and fattening that it will not cost you a cent no matter whether you have used one hundred pounds or five hundred pounds and you are to be not only the user but also the sole judge of results. I will leave the entire matter for you to decide and accept your own statement. How the United States Government backs my claims that "International Stock Food" is strictly a medicinal tonic, blood purifier, etc. During the Spanish-American War, United States officials made a special examination and decided that "International Stock Food" was strictly medicinal and I paid \$40,000.00 patent medicine war tax. Can any honorable man deny this evidence? "International Stock Food" and label design is registered in Medicinal Department as a Trade Mark No. 62791 giving it commercial standing and rights as a distinctive

"TRADE NAME" FOR A MEDICINAL, TONIC PREPARATION. The United States Government issued me a Trade Mark No. 22886 on the world famous lines, 3 Feeds for One Cent - as showing how cheaply International Stock Food can be mixed with the regular grain feed - My label shows a list of the medicinal ingredients used and 250,000 Dealers have sold "International Stock Food" for over 20 years as a medical tonic preparation.

18 Acres of Floor Space Covers Over A City Block



INTERNATIONAL STOCK FOOD FACTORY LARGEST IN THE WORLD

Covers Over a City Block and Contains Over 18 Acres of Floor Space CASH CAPITAL \$2,000,000.00

- ASK YOUR DEALER FOR MY PREPARATIONS
- International Stock Food
 - International Poultry Food
 - International Compound Absorbent
 - International Pheno-Chloro
 - International Distemper Remedy
 - International Foot Remedy
 - International Colic Remedy
 - International Louse Killer
 - International Gopher Poison
 - International Gail Heal
 - International Hoop Oil
 - International Hoop Remedy
 - Dan Patch Stable Disinfectant
 - Dan Patch White Liniment
 - International Worm Powder
 - International Hoop Ointment
 - International Sheep Dip
 - International Cattle Dip
 - International Hog Dip
 - International Harness Soap
 - International Gopher Poison
 - International Worm Remedy
 - International Healing Powder
 - International Quick Blister

ASK YOUR DEALER FOR ANY OF THESE PREPARATIONS and insist on having what you ask for. Beware of many cheap and inferior substitutes and imitations. "High Class Dealers Sell My Preparations on my Spot Cash Guarantee to refund your money if they ever fail.

Signed, M. W. SAVAGE, Owner of International Stock Food Co.--and also--International Stock Food Farm

DO YOU EXPECT TO SEE THE DAY WHEN THESE WONDERFUL DAN PATCH 1:55 RECORDS WILL BE EVEN EQUALLED?

DAN PATCH, 1:55 HAS PACED

- 1 MILE IN 1:55
- 1 MILE IN 1:55 1/4
- 2 MILES IN 1:56
- 14 MILES AVERAGING 1:56 1/2
- 30 MILES AVERAGING 1:57 1/2
- 45 MILES AVERAGING 1:58
- 75 MILES AVERAGING 1:59 1/2
- 120 MILES AVERAGING 2:02 1/2

DAN HAS BROKEN WORLD RECORDS 14 TIMES

In addition to all these records Dan Patch is proving to be one of the greatest sires of both pacers and trotters in all horse history - Look up his large official list of standard performers. Dan Patch 1:55 has gone more extremely fast miles than the combined miles of all the trotters and pacers that have ever lived. Be sure and remember these facts when you think of some horse equalling Dan's marvellous performances.

For seven years Dan Patch has eaten "International Stock Food" every day mixed in his regular grain feed. It has given Dan Purer Blood, More Strength, More Endurance, More Speed and Perfect Health. It is constantly used and strongly endorsed by over Two Million Farmers and Stock Breeders, as the greatest Animal Tonic, and has been for 20 years. No other preparation has such strong United States Government and practical stock breeders endorsement, as has International Stock Food.