

KANSAS FARMER

For the improvement



of the Farm and Home

Volume 50, Number 8.

TOPEKA, KANSAS, FEBRUARY 24, 1912.

Established 1863. \$1 a Year

MAN does not strive for what he wants; he strives for what he thinks he can get. Modern specialism decides that there shall be no Jack of all trades. A man must specialize to get his living. If he be first violinist, he must fiddle for dear life. Nimrod must not only be a mighty hunter before the Lord, he must be a mighty hunter before the other hunters.

In the fierce competition of modern commercialism man must give of his best, and he is always on the firing line. He is intensely something.

But there is a Jill of all trades. Woman must know and do everything. She is universal—the universal sanity. In her social life she is something to everyone; in the home, everything to someone.

As the wife of half the human race and mother and teacher of all, she earns the shorter hours of modern conveniences. —I. D. G.



Furnace Heat, Hot and Cold Water, Electric Lights, Bring Health, Happiness, Length of Days and Cost—the Price of a Mule Team

The coat
that keeps out
all
the rain



TOWER'S FISH BRAND REFLEX SLICKER

The design shows how our REFLEX EDGES (pat'd) keep water from running in at front of coat. Every drop goes down and off, so

YOU CAN'T GET WET

MADE FOR SERVICE. SATISFACTION GUARANTEED

\$3.00 EVERYWHERE

A. J. TOWER CO.

BOSTON.

TOWER CANADIAN LTD.

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Over the Editor's Table

Just a Bit Personal By The Editor
For KANSAS FARMER Folks

You will recall my answer in January 20 issue of KANSAS FARMER to the young man who had sold his "forty." He had \$2,500 in money and was teaching school at \$75 per month. He wants to farm. He did not know whether he should buy more land, rent a farm, or continue to teach. He preferred to farm if he felt that he had money enough to make the start. If you did not read carefully his letter and my reply, look up that issue of KANSAS FARMER and post yourself in the premises—because there will soon be some interesting reading in this paper on that same subject. The query and answer brought me no less than 100 letters—some writers almost skinning me alive, others complimenting the advice, and still others saying that he could make a good living on less, if necessary. Some of these will be printed—it will be impossible to print all. Those I am especially interested in printing are those telling how the writer manages a small farm and makes money.

The question of the small farm is a live question. I would like to hear from other readers regarding their success with 40 or 80 acres, or less. Unquestionably we must be able to show how it is possible to make a living and some money on such tracts or this country will ultimately be in a hard way agriculturally. The "back to the farm" movement will result in nothing unless it can be shown that a small tract properly farmed will make a living for the fellow making the attempt. It is certain that thousands of country boys will be compelled to leave the country for the city unless it can be shown that they can succeed on a 40 or 80-acre farm. To help in keeping these young fellows on the farm it is necessary that you and I show them the way. Your boy may not be thinking of going to the city, and may be he will not. But some other boy may be thinking of burying himself in the great city—he needs your help. I solicit letters from small farmers telling how you manage your farm and what measure of success is yours. Please write your views. I'll appreciate your effort.

Referring again to this particular young man. My article was the result of placing in his hands several offers from farmers who were desirous of renting to him well equipped farms. I do not know whether or not he has accepted any of the offers made. I am sure of one thing—if he really wants to farm he has good opportunities so to do. Any young man who is willing to work, who possesses good farm judgment, can have the opportunity to capitalize his energy and ability. The fact is that any young man with \$2,500 or \$3,000 in cash who wants to farm can make a start under favorable conditions.

One man wrote me as follows: "I think the young man was right to sell his 'forty.' Let him put his \$2,500 into a mortgage. Get a position with some corporation. Make himself indispensable. Hell is too good for any man whose advice would consign a family to a rented farm. The little farm must go. See where the little old shoemaker, wagon maker, weaver, etc., has gone." What is your opinion of the above? I will answer this letter at length some time soon, I hope. Are you succeeding on a rented farm? If so, what is your rental arrangement, what your farm equipment? Are you getting ahead? What, in your opinion, are the renter's chances? This landlord and tenant business can be much improved. There must be a change in ideas and operations on the part of each. This is a live question. I want letters on the subject—letters from the tenant and from the landlord. The two can get closer together with tremendous advantage to each. I would like, through KANSAS FARMER, to be a factor in getting the two together. Let me have your views.

I am getting a great lot of letters daily. I am selecting those I wish to print—those which pertain to matters of general interest. To many I am reply-

ing directly to the writer. Because your letter does not appear in print does not indicate that it was unappreciated. Every letter gives me an idea of which I make use—sometimes at once, and in other instances not until I have use for the suggestion. Keep writing. I enjoy hearing from KANSAS FARMER folks. Your letters help me in editing the paper. There has been so much timely and valuable material at hand lately that I have not been able to devote a great deal of space to readers' letters—except those making inquiry of general interest. Dozens of letters complimenting KANSAS FARMER are daily received. Of course I am pleased to get them. They are the bouquets; the letter quoted above and the writer of which would send me to the hot place is a brick bat. Each kind is appreciated. Too much of any one thing is not good.

I am anxious to make KANSAS FARMER a great paper. My friends tell me that I am doing it. Many readers express the same sentiment. Some readers think it could be improved in one respect or another. I know the paper can be improved. When I feel that it cannot be made better I'll resign the editor's job. No paper—no thing—was ever so good that it could not be improved. KANSAS FARMER is made for its readers. If you do not see in the paper what you want, ask for it and it shall be given you. Please, however, do not be too exacting. Give me some leeway—a chance to exercise my judgment just a little. I was born and reared on a farm and farmed on my own hook until ten years ago. Since that time I have kept tab on things agriculturally and know what is going on in that line in this old world.

Remember, too, that the advertiser is the fellow who makes this paper, as well as all other farm papers, magazines, etc., possible at \$1 per year. The dollar subscription price barely pays the cost of white paper. Do not stop the paper because you see some one item of which you do not approve. That item may please the other fellow—it may hit him just right. One reader stopped his paper the other day because KANSAS FARMER printed the advertisement of Bull Durham tobacco. The reader had a right to stop his paper, but I think he took advantage of us. I do not think he was fair. What do you think? In this mail I have two letters. One says KANSAS FARMER is improving by leaps and bounds. The other says it is not as good a paper as before I became editor. There you are. Which am I to believe? Each writer had a different viewpoint. You and I can differ in opinion honestly—we are entitled to our opinions without jeopardizing the business interest of either. Suppose your grain dealer would refuse to buy your wheat because you differed with him politically. You would not like that attitude. That is just the position you and I occupy. Judge KANSAS FARMER by the value it can be to you. Do you not find in each issue some one thing worth a year's subscription? Many readers have said so—and I believe they are right.

Today the advertising department submitted to me a recipe for hog cholera. Some fellow owns the recipe and wanted to advertise it in KANSAS FARMER to the amount of \$25. I said the recipe was no good and we would not make it possible to sell that recipe to our readers. I see that same recipe advertised in another farm paper circulating in Kansas. KANSAS FARMER believes it owes to its readers protection of this kind, but it sometimes seems a shame not to take the money. Read our guarantee at head of opposite page. No other farm paper published in the west has higher ideals than KANSAS FARMER. I know these ideals are appreciated. Our readers in general say so. Our best judgment will continue to dictate what we print and what we do not.

Ed. Borman



Ask your dealer what he thinks about Campbell's Varnish Stain

Get his candid opinion of its worth. He will say CAMPBELL'S VARNISH STAIN is the most reliable, effective "quality" Varnish stain ever made. Simply brushed on any wood, it creates a permanent transformation. Hardens with almost a "piano" finish. Furniture, floors, sills, panels, etc., all made new in a jiffy.

"There is nothing like it."

NOTICE: If your dealer has not yet put in one line, send us his name and we will send you (post paid) a sample can of CAMPBELL'S VARNISH STAIN (enough to finish one large chair) including a good brush for 25c. State plainly color wanted.

(Made in Light and Dark Oak, Mahogany, Green, Cherry, Rosewood, Natural Ground Color, Walnut, Glass Black, White Enamel, Flat Black, etc., etc.)

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SUBSCRIPTION PRICE

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

ADVERTISING RATES

30 cents per agate line—14 lines to the inch. No medical nor questionably worded advertising accepted. Last forms are closed Monday noon. Changes in advertising copy and stop orders must be received by Thursday noon the week preceding publication.



KANSAS FARMER

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. PITCHER, Secretary.

T. A. BORMAN, Editor in Chief; I. D. GRAHAM, Live Stock Editor.

CHICAGO OFFICE—First National Bank Bldg., Geo. W. Herbert, Inc., Manager.
NEW YORK OFFICE—41 Park Row, Wallace C. Richardson, Inc., Manager.

Entered at the Topeka, Kansas, postoffice as second class matter.
GUARANTEED CIRCULATION OVER 60,000

OUR GUARANTEE

KANSAS FARMER aims to publish only the advertisements of reliable persons or firms, and we guarantee our subscribers against loss due to fraudulent misrepresentation in any advertisement appearing in this issue, provided, that mention was made of KANSAS FARMER when ordering. We do not, however, undertake to settle minor claims or disputes between a subscriber and advertiser, or be responsible in cases of honest bankruptcy of advertiser after advertisement appears.



PROBLEM OF RURAL LIFE.

Every thinking man whose thoughts are not bounded by his own fences agrees that the big problem in America today is that of rural life.

Our farming land is occupied, but not cultivated. Our farm boys and girls have been educated away from the farms and into the cities ever since the creation of our government. Our population has grown until consumption of food products has overtaken production, and it is still growing. Our land has multiplied in value in the last decade, and our farmers face new conditions. Our beef supply no longer comes from cheap cattle on free range, but must be made from high-grade cattle on high-priced land.

The labor problem, which has always been very real on the farm, has grown acute because of the lure of the city. The machinery demanded by modern farming methods compels a special training, and the exigencies of business demand good roads. Social and religious necessities press for solution, and newer systems of economy in farm operations must be devised.

These problems are not to be solved by legislative action, the leaders of public opinion, philanthropists or publishers. They must be solved by the farmer himself. All the millions spent each year by the government, the colleges, the experiment stations and the farm papers in their efforts to improve country life conditions will bring results but slowly if the individual farmer does not take hold as though he alone were responsible.

And to begin this he should start at home. Make the land return a maximum of crops at a minimum of labor and expense. Adopt methods of rotation and live stock raising which will leave the farm better than he found it. Introduce science instead of guess work. Give the wife and children the squarest of square deals in education, recreation and social life, and his example will preach louder than anyone can by word of mouth. While this is doing he will be helpful to his neighbor. The power of example is one of the mightiest forces in modern civilization. The farmer who has done his best for himself and is congenial with his surroundings is doing his utmost for the general good of the community.

If you make a success of your business and your life it will be the strongest incentive to your neighbors to go and do likewise.

THOSE FARM TOOLS.

It has been the reproach of western farmers for many years that the binder, the mower, the wagon, that were built to last ten or twelve years, are left lying out in the fields without shelter, in the summer rains and sun and the winter's snow, with the result that they rust out in two or three years. There is not nearly so much room for complaint in recent years as in the past. Farmers are taking better care of their tools, and will get better service from them.

Implement men tell the farmers that, with proper care, their tools and implements will last three or four times as long as they now do. Implement men want the farmers to get good service out of their tools, as it is upon this that they base their reputation. They cannot do it, however, if the tools are allowed to stand out in the weather. Weather hurts more than wear.

Think over that plan of community breeding. Take it up in the grange, the institute and at public sales. Get together on some particular breed that will best meet the requirements of the neighborhood, and then all chip in and buy a pure-bred bull of that breed. It will not be long until your community will be known as a center for your breed of cattle, and buyers will readily take all surplus stock.

EXTENDING THE COLLEGE.

An experiment station for bug work in Western Kansas is to be established at Garden City. The United States Sugar and Land Company and the Kansas Agricultural College have co-operated to make such a station possible. A study of methods of controlling insects injurious to sugar beets will be the principal work, but in addition experiments with general insect pests common to that section of the state will be conducted.

Western Kansas has felt for some time the need of experimental work with insect pests, particularly those that damage sugar beets. In that part of the state sugar beets are the principal crop. The United States Sugar and Land Company has large holdings of land near Garden City. This land is leased to tenants. The sugar and land company buys sugar beets from these tenants and also from neighboring beet growers. Most of the experimental work with sugar beet insects will be done on the land of this company. Mr. Milliken, in whose charge the station will be, will have the co-operation of Dr. C. O. Townsend, consulting agriculturist for the beet company.

The establishment of an entomological experiment station in Western Kansas is another step of the Kansas Agricultural College to help the farmers of that section. Near Garden City the Agricultural College has an experimental farm of 320 acres on which is carried on experiments in dry land farming, principally. The United States Department of Agriculture co-operates in this work. Because of a large annual damage in that part of the state by insect pests, the Kansas Agricultural College has been eager to extend insect investigation work to the western farmers.

WE PAY THE PENALTY.

One-fourth of all our cultivated crops is destroyed by insects and, therefore, we must pay more for what is saved than we otherwise would. This fact is due to the wanton destruction of our bird life, more particularly our game birds, which belong to the same zoological family as our chickens and turkeys.

Here is a great nation, having the most intelligent and progressive people on earth, which has placed itself in the position of having absolutely exterminated some of nature's choicest gifts in the buffalo and the wild pigeon, and sadly reduced the numbers of other species of most value. And all through pure wantonness.

Though late to begin, it is not too late to take preventive measures and save what may be left to us. In the minds of thinking men the great army of bird life is the most effective one to be pitted against the greater army of insect life, and it should be a war of extermination. We can spread feed for Bob White in the winter snow and ice and thus insure his efficient help in the destruction of bugs and weeds next summer.

The movable school is one of the best ideas developed by Director Miller of the Kansas Agricultural College extension department. These schools carry to the farm boy at his home town all the advantages possible to obtain in three days' instruction. At these schools this year instruction will be given in corn judging, dairying and live stock judging, poultry husbandry and orcharding. Twenty-five members will be required to obtain this kind of a school. Applications must also be made to Director Miller immediately. The charges are nothing for the work except the payment of expenses.

Well ripened corn, with plenty of ears, makes the best silage. With good silage and alfalfa the problem of supporting a cow to the acre can be pretty nearly solved.

READING AND WORKING.

Is it easier to read, or to do farm work? Which would you rather do? There is a direct relation between the two. The farmer who buys books on agriculture and live stock and who reads real farm papers is able to read more and work less than does the neighbor who has a hard struggle to get along. The up-to-date farmer knows that he must read in order to keep abreast of the times. Farming is a profession just as is the law, the ministry or medicine, and few men would care to employ a lawyer, entrust his life to a doctor, or listen to the teachings of a minister who did not keep himself posted in his profession.

Why, then, should a farmer hope to succeed in his business who does not keep posted in all available subjects relating to it? He can not and does not do it. It is the man who is always reaching out after new ideas who makes progress in his business.

There are men yet living who condemn "book farming" and say they have no time to read a good farm paper; that such a paper is made up of theories, while they stand for the practical side of life. Such men do not own automobiles or pure-bred live stock.

It is the man who thinks; who applies brain power to the problems of life, who succeeds, and reading is a most important source of fuel supply for his mental machinery.

A good farm paper is the very best machine on the farm, and will be the means of making the most money for you. The only thing that is better than a good farm paper is two of them.

THE FARMERS' INSTITUTE.

The farmers' institute is the clearing house for practical knowledge. It is the classroom of applied agriculture. It is the recitation room of the school of experience, and it is most valuable to all.

When one has the privilege of attending a goodly number of institutes and sees the good which comes from them and the keen pleasure derived from the programs, one wonders why there are not more people present and why there are not more institutes.

Perhaps there is nothing outside the church which possesses so many of the elements of good to the farmer as does the farmers' institute. Here the social features are strong and valuable, while the information gained is of the most practical kind and that which is most needed in the daily life of the farmer.

In the institute the farmer can have the novel experience of giving something for the general good and of retaining that same thing for his own use. The information which he gives out and which is drawn from his own fund of experience is of benefit to others, and he gains in power and ability by the telling of it.

It is impossible for a man to know too much to be a farmer, and he should make use of every source of information. For such a purpose the well conducted farmers' institute has a high value, and that farmer who so plans his affairs that he can attend all of the farmers' institutes within reach will undoubtedly derive much of benefit which he could secure in no other way, even though he do not subscribe to all the statements of fact and experience which he may hear.

After nearly three centuries the Manchu rulers of China have stepped down and out, and their place is taken by a republican form of government. During all these years China has presented the spectacle of the most populous nation on earth being ruled by a foreign dynasty. Whether she is ready for a republican form of government after her untold centuries of absolute monarchy is a question. At any rate China will be governed by Chinese hereafter.

BOVINE TUBERCULOSIS.

Tuberculosis in cattle, though preventable, is found in almost every locality in which cattle are raised. It is much more prevalent in some communities than in others and usually is most prevalent when the animals are closely stabled. Where the disease exists in the herd it may also be contracted in the pastures.

Since the cause and means by which it is spread are known, the problem now is to keep it out of the healthy herds and to eradicate it from diseased ones. All that need be done is to remove the diseased cattle, disinfect the premises, prevent contact with other diseased herds and add only healthy animals to the healthy herds. This sounds easy, but certain characteristics of tuberculosis render it quite difficult. For instance, tuberculosis is somewhat slow in its development and in the early stages the animal shows no outward signs of the disease; is thought to be healthy, and is used as a healthy animal, while it really is spreading the disease.

Early diagnosis is necessary. As there are no dependable, visible signs in the early stages, the problem of positive diagnosis is all-important. However, the tuberculin test has been devised and is reliable when used by competent and experienced men.

If the herd is healthy, one should purchase only tuberculin tested animals which have come from reliable herds. If they come from doubtful herds they should be kept isolated for three months and re-tested.

If the test shows only a few diseased animals in the herd they should be removed at once and the stable disinfected. If the diseased animals are of special value for breeding they may be kept isolated and the offspring removed at birth and never allowed to feed upon the milk of the diseased cow unless the milk is pasteurized.

If the majority of the herd is diseased, it is necessary to treat them all as diseased and to build up a new herd from the offspring. This is possible by removing the calves at birth and feeding them pasteurized milk and testing them every six months so that the diseased, if there should be any, may be taken from the new herd before they begin to spread the disease. This requires several years' time, great perseverance in preventing the disease from being transmitted to the new herd, and persistent use of the tuberculin test.

We must have systematic and regular tuberculin testing. The disease is a slowly developing one; hence to eradicate it requires several years of systematic and co-operative work on the part of both stockmen and veterinarians. If every community in every state did its share of this work, eventually we should be rid of this dreaded disease.

Kansas history shows that, almost invariably, a hot, dry season like that of 1911, is followed by one of bountiful harvests. This is perhaps due to two things. The law of averages in climate which brings rain after drouth, and the baking of the earth by the hot sun, which greatly increases its fertility. Already the railroad officials are predicting a big crop in Kansas next summer, and are making their plans accordingly. Another thing which favors their view lies in the abundant supply of fall and winter moisture, which has had a chance to soak deep into the ground.

School patrons all over the land are demanding that elementary agriculture and domestic science be taught in the public schools, and Iowa is exceeding other states by demanding that one of her best known professors of agriculture shall be made her next governor. The idea of placing men of large caliber who have devoted their lives to the good of their fellows into responsible positions might not be a bad one.

WESTERN KANSAS FARMING

"Regarding that territory west of the 100th meridian, Director Webster says: 'This region has proved its entire unreliability for wheat farming. The wheat farmer has no place in the development of this region. This statement will not be accepted by some, but the failure to accept the facts has caused untold suffering and loss to settlers who occupy this country with the hope of growing wheat for profit.' The rest of Mr. Webster's address is given to a plea for dairying and the silo in this section. As one who lives in the short grass country and knows something about it from experience, I challenge such a sweeping condemnation of this region.

"With all the wise men telling us that we are now almost face to face with a grain shortage and will soon have to import grain to feed our own people unless our yield is increased, it looks like poor policy to discourage the growing of wheat on the plains of Western Kansas. Neither is it a fact that 'this region has shown its entire unreliability for wheat farming.' We have had failures, but when conditions are at all favorable we stand near the head in wheat production, and it is a matter of record that in 1903, Gove county led all other counties in Kansas in yield per acre of both wheat and barley.

"We had a failure this year, but the failure did not apply to wheat alone. Kafir made about as bad a failure as wheat and, one year with another, wheat is probably as sure as Kafir and much more profitable. Wheat is our great money crop; it is always salable, and our soil is adapted to it.

"I do not condemn dairying, but difficulties confront the dairyman in Western Kansas. This is not a grass country. In quality our buffalo grass is not surpassed by any grass that grows and it is good the year round. It does not grow abundantly and the stockman must have 10 or 20 acres of it for each head pastured. If the dairyman must own a couple hundred dollars' worth of land for each cow he milks, where is the profit in dairying? Dairying requires capital, buildings are expensive, silos cost money. Most of us are not well enough fixed financially to drop wheat farming and take up dairying.

"My conclusion, after years of residence in the short grass country, is that it is a country for diversified farming, and that we should not risk everything on either wheat or dairying, or any one crop."—W. P. HARRINGTON, Secretary Gove County Farmers' Institute.

Director Webster's reply to the above: "The address alluded to was a plea for greater consideration of live stock in the region between the 100th meridian and the Rocky Mountains. I stated that the wheat farmer had no place in the development of this region. This statement may seem to be rather sweeping, but when taken by itself and applied to those farmers who have depended solely on wheat growing in the region mentioned, it is not difficult to show that the wheat farmer, that is, the farmer who depends on wheat farming entirely, has not developed the country.

"After carefully going over the statistics compiled by the State Board of Agriculture, which reports for Gove County began with the year 1886, the average yield of winter wheat in Gove County is 7.1 bushels per acre, and the average gross value per acre is \$4.78. In the thirteenth biennial report of the State Board of Agriculture for 1901-'02 there was published an estimate of the

Live Stock and Dairying Urged by Director Webster—Friendly Debate on Wheat vs Live Stock

Late last fall Kansas Farmer published the essential part of the proceedings of the Dry Farming Congress, held at Colorado Springs. This report contained a part of the address of Ed H. Webster, director of the Kansas Experiment Station. Since this publication we have received from Western Kansas readers letters criticising the remarks of Director Webster. Several of these letters were referred to Mr. Webster, with the request that he reply to the same through the columns of Kansas Farmer. The editor feels that the subject involved is one of importance to a large part of Kansas Farmer readers. Below is printed the text of the letter of W. P. Harrington, secretary of the Gove County Farmers' Institute. His letter is printed in preference to others because it covers the entire range of criticism of Director Webster's remarks. Following Mr. Harrington's letter is Mr. Webster's reply.—Editor.

cost of producing an acre of wheat at various points throughout the wheat belt. No reports were given for Gove County. However, there were reports for Logan County and Trego County.

average gross income from the wheat stacking, threshing, wear, tear and interest on tools, and rent of land or interest on its value. It will be noted that the estimated cost as given by these



ANNUAL DAIRY SPECIAL - - On March 23rd

Kansas Farmer will issue its annual Dairy Special. Our dairy number in the past has had the reputation of being the best dairy number published by any farm paper. The forthcoming issue will sustain that reputation.

You are invited to contribute your herd records for the year 1911—to tell of your success or failure with different breeds—to tell of your feeding methods, and what crops you grow for feed—how you feed and handle your skim milk calves—or any other phase of Kansas dairying on which you wish to write. Please have your letters in my hands not later than March 10.

We desire photos of your best cows or of your herd, of your dairy barn, silo or milk or cream separator house, with a description of the same.

For the best article above I will give a copy of "Henry's Feeds and Feeding," and for the best photo and description a copy of Van Pelt's "Cow Book"—each an authority in its line.

Valuable articles written especially for Kansas Farmer and dealing with live dairy topics are already in my hands. This will be a valuable number, and alone will be well worth a year's subscription.

A. A. Borman

The estimates given by two correspondents in Logan County were \$4.80 and \$3.40 per acre. Two correspondents for Trego County placed the cost at \$5.70 and \$5.35 per acre. This estimate covered plowing, harrowing, seed and seeding, cutting wheat by header and

men averages considerable more than the since '86.

"The gross income from feed crops, such as Kafir, sorghum and milo, is reported as follows: Kafir corn for 19 years has produced a gross value of \$9.62 per acre; sorghum, for 26 years,

of \$6.25 per acre, and milo, for 18 years, of \$8.46.

"The total value of live stock in Gove County in '86 was \$175,000. In 1911 it was \$1,339,000. The income from live stock in '86 was \$2,000, while in 1911 it was \$203,000. The country is not as near a grain shortage as it is a meat shortage at the present time, and the argument is that if the people in Western Kansas will grow more Kafir and sorghum, and in some sections more milo, saving this for feed as dry fodder and putting a large quantity of it away in silos, they will have the opportunity of producing the cheapest meat that can be produced anywhere in the country.

"The silo is the solution of the problem for the cattleman in Western Kansas. It is just as essential for the man who does not milk as for the man who does milk. In other words, it is not any more a dairyman's proposition than it is a general stockman's proposition. It is reported this winter—a winter said to be the worst that the western part of the state has known since '86—that the men who had silos and managed to get them filled are carrying their stock through the winter in much better shape than those who are depending on dry feed. The man who keeps a bunch of cows primarily for their calves cannot afford to overlook the income he might secure in milking them. This income furnishes him ready cash every day in the year, and the men who have kept stock and milked a few cows are the men who are prospering today in the western part of the state.

"My contention is that the cream which can be sold from the Western Kansas farm is the money crop for these farmers, and that wheat which costs more per acre than the gross income, in the long run, cannot be figured as a money crop.

"The actual value of land will be determined by what it will produce. Speculation has driven the price of land above its actual producing value. This is especially true of Western Kansas.

"Your correspondent states that it will take a couple hundred dollars' worth of land for each cow that he milks. If it does take that much land, that in itself is all the argument that is necessary to show that the value placed on that land is way beyond what it should be. A permanent agriculture cannot be built on inflated values of land, and Western Kansas will never come into its own until the people who live there begin to value their land for what it will actually produce for them, instead of valuing it on the basis of what the real estate man can get out of buyers who know nothing about the country. The future development of Western Kansas depends upon the settlers accepting these facts and acting on them accordingly.

"Your correspondent's conclusion that the short grass country is for diversified farming, is absolutely right, but this diversified farming must have live stock and not wheat as its basis. To be sure, wheat may be grown, and if these western farms have more live stock on them and manure is properly handled, every acre put into wheat would produce a greater return than it has in the past 30 years.

"I believe that it will be profitable for all to discuss these matters and get at the actual facts in the case and to face these facts in such a way as to bring Western Kansas into a much more profitable and permanent agriculture than it has enjoyed in the past."

THE WHEAT BARN

ELIMINATE WASTE SUGGESTIONS

By J. C. ELLENBECKER, for KANSAS FARMER

even till winter. His grain is always ready to be threshed.

The writer has traveled through the Northern and Eastern states, where all grains are stacked into barns, and could not help but see the great advantages that comes from such a practice. After suffering great loss in grains by stacking out, the writer concluded to build such a barn, and finds it one of the best investments in buildings. Every farm where no more than 60 or 80 acres of wheat are raised could well afford to have a wheat barn; or, rather, cannot afford to be without one.

Such a barn should be 40 feet wide

and 48 feet long, standing north and south. It should be 16 feet high to the plate, with roof less than half pitch. The barn should be so located that when threshing, the straw could be delivered into the feed yards. The perline posts, set to help support the roof, should be so placed as to leave a hallway 12 feet wide, lengthwise through the middle of barn. This will leave bents 14 feet wide on both sides of hallway. The doors at both ends should be large enough to admit a hay rack. The barn should be equipped with track and carrier, so that in case all space would be needed the sheaves could be unloaded with slings.

Along with the increase in price of farm land comes the need of greater economy in the handling of grain. In the frontier days, when money was scarce and the wheat yield larger than now, the farmer might be pardoned for stacking his wheat under the blue sky and in the open field. But now every raiser of grain should have a wheat barn—a building into which the sheaves could be gathered as soon as the straw was cured; say, in a week after the wheat was cut. Where such is done there is no loss from rain or wind, or on account of chickens and hogs. The wheat is left secure to go through the sweat, to get dryer and harder. When the sweat period is over it may be threshed without loss. If the price is not suitable or if the farmer is busy with other work, the threshing may be postponed

There should be a large door in each gable, not only to facilitate unloading but also to admit air during threshing.

When threshing, the separator should first be set along either end of barn until the hallway has been cleared; then the separator can be set in the hallway to thresh the grain from the bents. A still greater saving of grain may be accomplished by making a cement floor in the barn.

It is surprising how much grain can be piled away in such a building. It will house as much as is put in 20 stacks. When wheat from such a barn is threshed, it will be found to test more and have a better color than wheat stacked outside. It will command the highest price because of these qualities. The millers and elevator men want such (Continued on page 9.)

SHEEP ON THE KANSAS FARM

Owing to their scarcity, the younger generation in Kansas would hardly know there were such animals as sheep were it not for "Mary's Little Lamb" and "Run, Sheep, Run."

But Kansas is by no means alone in ignoring the sheep. While Kansas and the other corn belt states have already made enviable records with horses, cattle and hogs, they have fallen down woefully in the sheep industry, and this in face of the fact that they are so well suited for sheep raising.

Ohio is the only prominent corn grower that consistently raises any considerable number of sheep, having on hand at the beginning of 1911 more than 4,000,000 head. This was as many approximately as were reported from the premier agricultural states of Illinois, Iowa, Missouri, Nebraska and Kansas, combined, while Indiana had something over one-third as many as Ohio.

Broadly speaking, there is a nationwide disregard for sheep rearing. Indeed, the history of the sheep industry in America presents a record that is difficult to understand. Those who have raised sheep consistently in this country are staunch in their belief that no animal returns a better profit, considering the requirements, capital invested and necessary labor. Even in ancient times sheep were known as the animals of "the golden hoof" because of their wealth-bringing capabilities in the way of wool and mutton and improving the soils which they trod. The modern sheepman's estimation of sheep has not diminished from the high regard in which they were held by the shepherds of the days of long ago. In England and Scotland, on high-priced lands in less favorable climate, sheep flourish on every hand and their rearing is a chief industry. Yet in America sheep occupy a very insignificant place in the animal kingdom, so far as numbers and comparative value are concerned.

The reports of the United States Department of Agriculture show that we annually import upwards of 200,000,000 pounds or more of wool. In 1909, the latest year for which figures are available, the imports amounted to more than 312,000,000 pounds. In 1910 there were imported also 696,879 head of sheep, one-fifth of which were for breeding purposes, however. The same year we imported \$11,000,000 worth of sheepskins. We ought to be producing these sheep and this wool. We ought to supply our own needs in this line. We have the natural advantages for doing so profitably, but, apparently, we haven't the disposition to take up sheep.

We do, of course, export a few sheep. In 1910 the number was 44,000, as against 697,000 imported, and we export some mutton also, but that is not because we haven't a market for it at home. In addition to this showing about imports of wool and mutton and sheepskins, the United States census report for 1910, just now made public as to sheep, shows that we are actually going backwards in sheep-raising. In the decade our sheep population has decreased 10,000,000 head, the total in 1910 being 51,000,000 and in 1900 61,000,000.

Now, in view of this situation, if anyone anywhere can explain why we persist in ignoring the sheep, I am sure all of us would like to hear it. With prices of meat ascending, with a beef shortage in sight or already here, and the United States not raising enough sheep to anywhere near supply the demands of her own people for mutton or of her manufacturers for wool, why is it more farmers do not engage in the sheep business? That is a question I cannot answer satisfactorily. Possibly it may be because those before us did not raise sheep, and lack of experience with them has caused us to hesitate about acquiring a flock. Others dismiss them as of "too much bother." Possibly some may be indifferent on the theory that it is all right and proper to "let well enough alone." True, the Kansas farmers have done well, but that is no adequate reason for not doing better.

It seems to me now is a very inviting time to get into the sheep business. We not only need the wool, but we need the mutton. In fact, the way our consumption of meat is overtaking production is already causing widespread discussion for some solution of the problem that has arisen, and some regard the matter apparently with apprehension. It is a grim situation. It has come to such a pass even that there is a ready sale for rabbits in the big markets. At

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By J. C. MOHLER



A CHAMPION WHOSE FAMILY WOULD
FIND A PROPER HOME IN KANSAS.

the time this is written rabbits were enough of a factor in the meat trade of Kansas City to justify quotations in the daily press, and in the market columns of the Kansas City Star of December 6 was recorded: "Rabbits that were in good condition sold quickly. Prices for the best stock advanced 40 cents a dozen." Are we degenerating into a rabbit-eating nation, through lack of good mutton and other meat?

The question of profits in beef-making on high-priced lands is one that is receiving a good deal of attention. A prominent Kansas stockman told me the other day that the farmer on the \$150 to \$200 land, even at the present high prices of beef, can hardly get returns or fair interest on that valuation, considering the increased values, too, of the materials on which he must be fattened. We cannot profitably raise our commercial beef cattle without grass, and many of the otherwise choicest farms in the great corn belt haven't the grass. Neither can the corn belt farmer look to the range for its feeders as it has done in years before, for the range is very largely being sold out or occupied by the man with the hoe, who has gone there to raise wheat and other grain, thus causing the dissolution of the big cattle companies. In time, under the judicious supervision of the government, the range will again supply feeders for the corn belt, better feeders and more of them—of that I feel confident—but that will not be for some time yet, for the transition is just now going on.

This diversion from the direct topic of sheep has its bearing on the possibilities in sheep raising, for the reason that history has shown us that there is no animal better, or even so well adapted to high-priced lands, and the conditions that generally surround them, as sheep. They are adapted to intensive farming, and what is more, none is so valuable in helping to maintain and increase the fertility of the land. Now, this is a matter that we cannot afford to ignore, that of having a rich soil. You men here are not ignoring it. You, I know, are giving it much thought, and many of you adopting methods calculated to conserve your soils. Some of you are dairying, which is excellent, and some have silos, and keep other live stock, and diversify crops and grow alfalfa and the clovers, but for the best combination for profit, both to the pocketbook and the soil, I would invite your attention to sheep. The coming of the silo into quite general use in Kansas in recent years is an indication that we are going in the direction the older countries went and in the way traversed by the eastern states, but the coming of the silo to Kansas thus early in its history indicates that we are profiting by the ex-

perience of those who are in regions that have been farmed longer. We do not want to impoverish our soils as they have done in New England, where in many instances the land is so worn out that it is practically valueless and consequently the farms worthless from a producing viewpoint. We are profiting by their experience, and we early are adopting the silo, but we cannot afford to neglect an industry that promises so much in upbuilding the farm, as well as in the money returns, as does the intelligent handling of sheep. This applies all the more strongly to Kansas, because no state is better adapted to their profitable rearing, and it looks as though there never was a better time to embark in the business than now. By this I do not mean to suggest that less attention should be given other live stock, but merely that sheep should also be raised and counted as a part of the live stock of the farm. Dogs and coyotes and wolves and lack of proper fencing may account in part at least for the poor showing that the sheep has made in Kansas, but back in 1883 and 1884 Kansas had about 1,250,000 sheep. In 1910 there were only about 51,000. This indicates that at one time Kansas did raise many more sheep than now, and the experience of those who have kept sheep all these years is most gratifying. Mr. E. D. King, one of the foremost sheepmen of the state, who has been in the business for years, in Coffey County, says: "Forty years with sheep has taught me there is no question that any man of reasonable patience and intelligence can succeed in the business in any part of the state. Sheep love a dry soil, rolling land, and a sunny sky. These are the birthright of Kansas. The poorest acre in the state is as well adapted to sheep as the chalky downs of England, where her best breeds originated. The richest acre we have here is not too high priced for their profitable production. On our eastern border is a market that never gets enough mutton."

Dogs doubtless are a hindrance at this time in some localities, but I do not consider them a serious drawback to the business when entered into generally. Where there is a flock only now and then, with neighbors who promote dog culture instead of sheep, the dog may be a very serious menace, but with the majority of our farmers raising sheep they will see to it that the dogs will not bother. In Ohio and other sheep countries that are well settled, the dog question is not a paramount one. In Ohio a dog tax does the work. If we would eliminate the cur and raise only dogs of good breeding, that would help some. Sheepmen tell me that a three-foot woven wire, with a strand of barbed on top, will keep the sheep in and the dogs out. Five good barbed wires prop-

erly placed will keep the sheep at home. Besides, we have a law on our statute books that says:

"If any dog shall kill or injure any sheep, the owner or keeper of such dog shall be liable for all damages that may be sustained thereby, to be recovered by the party so injured, before any court having competent jurisdiction."

Also:

"It shall be lawful for any person at any time to kill any dog which may be found worrying or injuring sheep."

Of course this is poor consolation, and doesn't even the score at all, to kill dogs that have put you out of the sheep business, but it is a move in the right direction. It shows a desire to protect the industry and encourage it to that extent anyway.

There are not a few who regard sheep as hard to handle; that they require more care and attention than other kinds of live stock. Sheep, of course, like other animals, have their peculiarities, but one cannot hope to gain the largest measure of success with any stock, or in any profession or business, without giving it his close attention, and much thought and study. Those with experience with various animals, however, quite agree that sheep require less time and attention from the owners than almost any other farm stock.

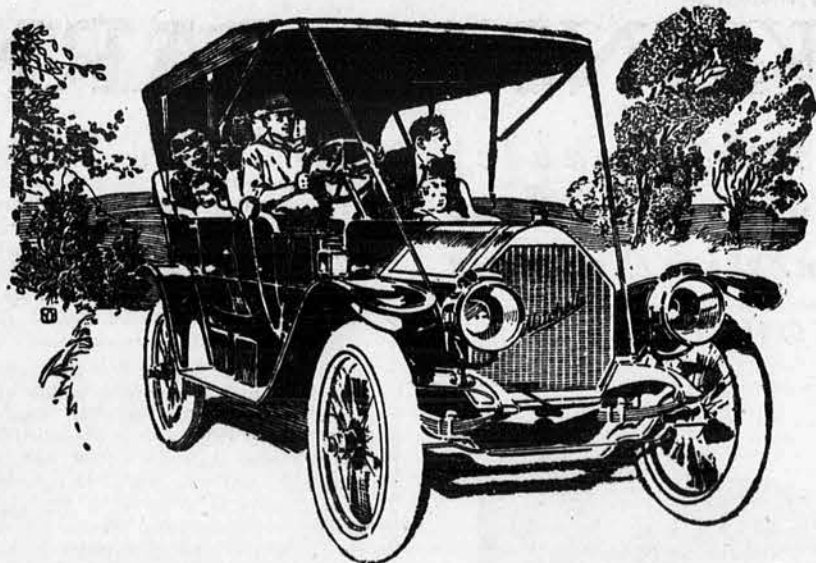
For instance, as compared with the cow, her care and products, the sheep does not have to be milked twice every day, Sunday as well as Monday, nine or ten months in the year, rain or shine, hot or cold. The lamb will do the work of the milkman, the separator and the churn, and give big returns for the privilege. Sheep gather their own sustenance for the greater part of the year, and what grain is given them requires neither grinding or steaming. Also, the shelter they need means relatively little outlay, as an inexpensive shed to break the wind and turn the rain can make them quite comfortable. The whole equipment for a considerable flock need not cost much, and is simple.

Their general exemption from disease is another important point in the sheep's favor. They do not suffer from ringbone, heaves or spavin; they do not maim themselves on barb-wire fences. Neither are they the victims of such maladies as cholera and plague that are the constant dread of the hog owner and decimate his herds. They are not, however, immune from all physical ills, but with judicious selection, and intelligence in pasturing and feeding, with use of the dipping vat say twice a year, they should have few, if any, serious ailments. Whether few or many, however, depends largely upon the management. In fact, health in sheep is perhaps more dependent on the man than is the case with most any other live stock.

Like everything else worth having, they require care, and there is no royal road to success without it. Proper management will count for as much if not more with the flock as with the herd of cattle or hogs. The flocks that prove unprofitable are the neglected ones, kept by men who do not like or who do not understand the creatures they are working with.

In Kansas there are more than 50,000,000 acres, upon every one of which, on an average, a sheep could be maintained at a cost scarcely appreciable, and the acre's value would be increased rather than diminished thereby. The state has only about one sheep to each 300 acres. Such a condition of affairs in a commonwealth that could profitably care for more sheep than are owned in all the United States is discreditable but none the less suggestive. Crowded Britain finds profit in an average of 300 or more to the square mile of its high-priced lands. Those who are and have been engaged in the sheep industry are finding it more profitable today than ever, and sheep in the United States were never before worth so much per capita as is reported by the United States Department of Agriculture for 1910.

With the coming of sheep more land would be allowed for pasture and hay; more land devoted to alfalfa, which together with corn makes the best as well as the cheapest ration, either for fattening or if fed in smaller quantities, for carrying through the winter, when necessary to feed; more time allowed to the wives and children; more time for social intercourse; more pleasure, and more money in your bank accounts.



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Rural School Agriculture

Wabaunsee County Solves Important Rural School Question

The following article by Edwin L. Holton, professor of rural education, Kansas Agricultural College, is worthy of unusual attention. It shows how the boys and girls of a rural school are taught to know the best practices of the farm. This kind of training in the schools will lead to better farming, better satisfied and more prosperous farmers, and will solve the problem of keeping the boys and girls on the farm.—Editor.

While the leading educators are discussing the question, "Can agriculture be taught successfully in the rural schools?" County Superintendent Houston of Wabaunsee County is getting the answer to the problem. He knows that it can be done successfully, because the Wabaunsee County schools are getting excellent results.

The writer of this article had the pleasure of attending one of the Rural School Improvement meetings. The following program was carried out:

Corn—Selection and Care of Seed....

..... Harry Forinash

Corn—Planting and Cultivation.....

..... William Linscott, Jennie Hiner

Corn Judging..... John Drury

General discussion.

The Jersey Cow..... Grace Lowe

Care and Feed of the Dairy Cow....

..... Dorothy Mosely

Milk Testing and Demonstration—General discussion.

Address..... Prof. E. L. Holton

Kansas State Agricultural College.

Address..... Prof. E. B. Gift, Alma

The patrons and residents of these two districts are very cordially invited to attend and take part in the "General Discussions." Come prepared to ask questions and offer criticisms on our schools. The schools are yours, and should be conducted to produce the best results for you, your children, and the state. (Signed) — MATTIE McCOMB, GRACE BOLTON, Teachers.

Harry, William, Jennie, John, Grace and Dorothy are pupils in the Hinerville and Pavilion rural schools. Hinerville and Pavilion may sound like the names of cities, but they are not. They are first-class rural schools, five miles from any town.

Harry, William, Jennie and John handled the question of Selection and Care of Seed, Planting and Cultivation,

and Corn Judging, much better than I have seen it done in many farmers' institutes.

The parents took a lively interest in all the discussions. Those pupils were thoroughly prepared to answer all questions which the farmers asked them. For example: William had discussed the cultivation of corn. In his discussion of the subject he advocated shallow cultivation. When a farmer who said he had always cultivated deep, wanted a reason for shallow cultivation, William stepped to the blackboard and made a cross section of the soil between two rows of corn. He showed how the roots were interwoven entirely across the space between the rows, and how they came within two inches of the surface. He showed how deep cultivation would destroy these roots, and therefore injure the corn. His explanation was so definite that even a little child could understand it. The farmer was convinced that William was well prepared on this subject.

The discussions of "The Jersey Cow" and "The Care and Feed of the Dairy Cow," by Grace and Dorothy, was a revelation to the writer. These girls were thoroughly prepared to answer all questions and to take an active part in the general discussions. During the general discussion, Dorothy was asked what would be a balanced ration for a dairy cow. "All the silage the cow will eat, which will be 30 or 40 pounds, and 7 to 9 pounds of grain mixed as follows: Four parts corn, 2 parts wheat bran and 1 part of cottonseed oil meal," was her quick reply. The farmer said: "I have no silo." "In that case," said Dorothy, "give the cow all the alfalfa hay she will eat and the same amount of grain."

These boys and girls have proved beyond a doubt that agriculture can be taught in the rural school.

Buying Live Stock By Mail

More pure-bred live stock is bought and sold on mail orders each year. This is the easiest, simplest and cheapest way to buy and sell breeding stock and when a few simple rules are observed, it is very satisfactory.

The breeder must remember that every animal he sells is an advertisement which will influence his future business. He should never let an animal go out of his possession to be used for breeding purposes that he would not be willing to keep for himself. Better put an animal into the fattening pen than to become the parent of inferior stock in the hands of another.

Care should be given to the matter of advertising. Copy should be changed from time to time, and this change should be made very promptly when any particular class of animals is sold out. This will save correspondence, both to himself and his prospective buyers.

Every letter should have the courtesy of a reply. If you have sold out of the class of stock inquired about, say so in a prompt letter. The inquirer may be a good customer at some other time.

Buyers should accurately describe the animals wanted, and express preference as to breeding lines, if he has any. Breeders should then fill the order or write a careful description of the animal which will most nearly do so.

Buyers should be careful to state the type of animal desired and whether it is to be used in a pure-bred or a grade herd, and when prices and descriptions are given the deal should be either closed at once or rejected. If the buyer delays and then finds that the animal

has been sold to another, he has no reason to feel sore.

As soon as an animal has been received by the buyer he should write the breeder at once and report the condition of the animal, and state how it is liked. Breeders are anxious to please and very often the selection of the animal may be left to them with more satisfaction to the buyer than if he tried to do it all himself.

Considering the large amount of business that is done in pure-bred live stock through the mails and considering the fact that this business is increasing rapidly each year, there are very few disputes and these generally arise from misunderstandings which are easily adjusted.

Modern advertising is based upon honesty. Goods are accurately described and the articles fit the description when they arrive in the buyer's hands. Millions of dollars are spent annually in advertising, and no business house can long remain in business that is not honest in its advertising, as well as in its dealings.

Live stock and farm products advertising is yet in its infancy, but there is a rapid growth and a great field for it in the future. Advertising not only makes immediate sales at better prices than could be obtained without it, but it builds reputation as well. With a reputation once established the breeder has his business on a firm foundation, and may look forward to years of satisfaction in the quality of the animals he sells, as well as to his share of prosperity.

HORSES DYING.

From both Kansas and Missouri come reports of serious losses among horses, and their owners do not seem to know the cause or the remedy.

These horses are starving to death. They are being fed on Kafir or other fodders which are, because of the peculiarities of the last growing season, much more indigestible than they would ordinarily be, and contain a much larger proportion of woody fiber. This fiber fills the stomach, but, because it has no succulence, it compacts there and the horse dies of acute indigestion.

SHEEP AND CONSERVATION

No Domestic Animal So Enriches The Soil or Pays a Better Profit

By E. E. HAZEN, Hiawatha, Kan.

Conservation today is the greatest subject before the American people, and I thought it was for such men as James J. Hill or Roosevelt or Taft to talk about. People call us farmers soil robbers and miners of the soil, but I call them children of circumstances and misunderstanding.

I came to Kansas with my father more than 40 years ago when he moved onto a Brown county farm. He was a cattle feeder for many years and raised many of the cattle that he fed. People said that he had the best feed lot in the vicinity, for it was located so that the rains kept it washed clean.

So pleased were these men who settled in Kansas at this time with their rich soil and with the way the crops responded to sunshine and rain that they said this Kansas land would never wear out or need manure. As I look back I think they believed as they talked, but not long since, when riding with this father of mine, who is more than four score years of age, we passed over the same farm that he had left more than 20 years ago. He left the farm to move to town and I left it a few years later to go to a better farm. The old farm was rented and we had not been over it together for more than 15 years. He said that it is plain to be seen by any man that "this farm will carry me along to the end, but there must be a radical change made in farming methods on it or it will not carry another generation." He further added that he doubted if this old farm would last as long as I lived, and the question is: Did he see the matter right?

Later we drove to another farm, when my father remarked that he did not know there was such good corn as this anywhere around, and he had driven over a considerable portion of the county during this fall. This land where the good corn grew was some of the oldest land in the community and my father

used to think that it was not as good as that on his own farm. The story of this land is simply clover and sheep pasture three years. That is all.

Had something been accomplished, and was it worth while? There is in the breast of everyone a desire, first, for a home, then for a pittance for those we leave behind. We read and know of wheat kings, corn kings and various other kinds of kings—the very mention of whose names means soil depletion to us. But to you and I, which shall it be? Shall we follow their course or use fewer acres with time, labor and thought spent in conserving their fertility that posterity may prosper?

But we need more than conservation with sheep alone. What of the boys and girls that are growing up beside us? They are taught in the country school, through the ninth grade but can go no further or the country must pay tribute to the town. The farmer is now shrinking from sending his children to the city school, knowing that history has taught him that the city school takes his children from the farm forever. If he is not able to send them to the city school, the boy or girl is deprived of that three or four months of winter schooling that you and I had. Who is to blame for this? I do not know; I cannot say, yet I know it is true.

But, perchance, we send him to an agricultural college and he comes home to farm. He knows that father has depleted the soil, and he is at once up against a proposition of soil building and paying a good rental. Then some fellow comes along and offers him a position, and he is gone from the farm forever. Would this have been true if father had thought of sheep and conservation? The father moves to town, rents the farm for grain rent and the depletion goes on and on. When will it stop.

I believe the younger farmers tend

more and more to grain farming, and I believe that in the better grain growing sections of Kansas no man can afford, in any way, to raise live stock except that he has in view the benefit they will be to the farm, and makes the best possible use of all the manure. Otherwise, he will be about as well off without stock. We are all aware that our average yields of grain are decreasing. But I do not believe this shows the full extent of soil depletion which so many claim.

Agricultural experiment stations, through their bulletins, institute lectures and the agricultural press have all been teaching the farmer better methods of tillage. They have been experimenting and exploiting the cause of better seeds and their better care, and no doubt have accomplished much in maintaining our average yields. A soil expert recently told the farmers of Ohio that they could not sell a crop of 50 bushel corn and with the money buy enough of commercial fertilizers to replace the elements taken from the soil by this crop. They could not afford to make this trade, but to sell the crop and return nothing to the soil meant, eventually, ruin.

Only a few years back we were told by men who had made a life study of the subject, that clover as used by the average farmer, was only a soil stimulant instead of a fertilizer. That it took away as much soil fertility in the hay and seed crops as it restored to the soil in its root growth. And here our fondest hopes fell and our idol was broken. But the farmer says he does not believe this is true. If what I have said is true then what shall we do about the matter.

Now I wish to speak to you about sheep. His very nature tends toward the making of him the best farm animal to aid in the conservation of the soil. To handle him properly he needs close quarters, but we must certainly remember that to the breeding ewe physical exercise is necessary during the day. The feeding lamb does his best if he is confined closely by day so that he will not play. All sheep may be closely quartered at night. If the lot is properly bedded with wheat straw, it will never be muddy or in bad con-

dition. If this method of handling the lot is adopted there need be absolutely no fear of foot rot in Kansas. I have never heard of this disease here and by this method the manure can be saved in better shape than that from any other farm animal. This manure can be distributed through the manure spreader, though the sheep will fertilize the land over which they graze.

Possibly it may be appropriate for me to say something of what I am doing. I keep my sheep in rather close quarters, and last winter I put under them more than 40 acres of heavy straw, all of my refuse hay and the refuse straw from 65 acres of oats as bedding. During the last season I manured over 70 acres with from 60 to 70-bushel spreader loads per acre. Some of the land had 10 loads per acre. I now have a large amount accumulated to be handled as soon as conditions are fit, and I now have land that produces good crops where they were very poor a few years ago. I have also been sowing clover and pasturing a part of the farm land with sheep for the past 10 years, and the land responds with better crops.

On Woodland Farm we were told that 60 acres of land was added because its owner said it was too poor to raise a crop worth the cost of production. The owner of Woodland Farm seeded this poor land to alfalfa, and the manure from 1,000 lambs was put on it the first year. The next year the manure from another 1,000 lambs was put on, and when in alfalfa two years ago, it was plowed and put into corn. The corn yielded 90 bushels per acre. Now, was that worth while? In Colorado, 100 ewes were closely quartered for a period of four months, and their manure carefully saved and applied to potato land. Compared with land not manured, the increased yield of the manured land netted 90 cents per ewe.

Back in the eighties, Kansas had 1,500,000 sheep, but at the present time Kansas has less than 350,000, and probably one-half of these are feeding lambs. Various conditions—the fencing of the range, free wool, etc., caused the exodus, and I do not believe they will return until we teach the Kansas farmer flock management. Men tell me that they

(Continued on page eleven.)

No-Rim-Cut Tires—10% Oversize

Save \$1,000,000 Per Month

Goodyear No-Rim-Cut tires now far outsell any other make of tire.

The success of this tire has been the sensation of Tiredom. And the present demand is three times larger than one year ago.

We have proved that these tires cut tire bills in two. And tens of thousands of users have proved it.

Based on present demand, that saving this year means a million a month to motorists.

You owe to yourself, if you are a tire user, to get your full share of that saving.

900,000 Tested Out—127 Makers Adopt Them

Men used to say, when these tires were new, "I doubt the saving; I will wait and see."

But the doubting days are over. Nine hundred thousand of these tires have now been tested out. Last year our sales jumped to 409,521 tires.

This year, 127 leading motor car makers have contracted for Goodyear tires. And they know tires.

No-Rim-Cut tires have come to outsell every other tire in existence. And the demand has trebled in a single year.

That is the answer when men have tried these tires. It will be your answer when you make the test.

Means ½ Saved

No-Rim-Cut tires now cost no more than other standard tires. They used to cost one-fifth extra.

They save you, in the first place, all the worry, all the ruin of rim-cutting.

Statistics show that 23 per cent of all ruined clincher tires are rim-cut.

Then No-Rim-Cut tires are 10 per cent oversize. That means 10

per cent more air—10 per cent added carrying capacity. It saves the blow-outs due to overloading.

Ten per cent oversize, under average conditions, adds 25 per cent to the tire mileage. The average oversize, based on many comparisons, is much over 10%.

These two features together—No-Rim-Cut and oversize—under average conditions will cut tire bills in two.

No Other Way

No-Rim-Cut tires are controlled



Goodyear No-Rim-Cut Tire



Ordinary Clincher Tire

GOODYEAR

No-Rim-Cut Tires

With or Without Double-Thick Non-Skid Treads
With a Bulldog Grip

by our patents. Vulcanized into the tire base are three flat bands of 126 braided wires. These wires make the tire base unstretchable.

No-Rim-Cut tires have no hooks on the base. They need not be hooked to the rims. Nothing can force them off the rims until you remove the flange. Then they come off like all quick-detachables.

Your removable rim flanges, when you use these tires, curve outward instead of inward. That's why they can't cut the tire.

They fit any standard rims.

Other makers, to meet our competition, have used other devices to make hookless tires. But those devices have proved transient and unsafe. The only satisfactory tire of this new type is the Goodyear No-Rim-Cut tire.

When you once prove this, by actual test, you will never buy other tires.

Our 1912 Tire Book—based on 13 years spent in tire making—is filled with facts you should know. Ask us to mail it to you.

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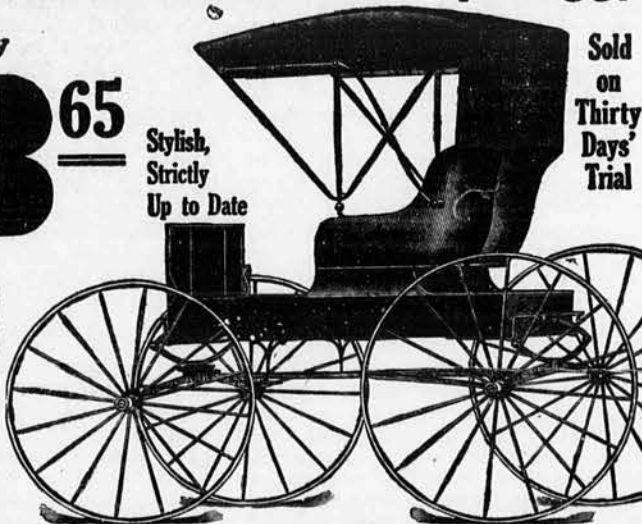
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Send postal or letter today, at once, for our large 1912 PRICE REDUCTION VEHICLE BOOK No. 65K68 SENT FREE, and contains ONE HUNDRED GREAT BARGAINS. Simply ask for it and we will send it to you prepaid by return mail.

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Brightest Light Lightest Cost

Nobody has ever found as good a medium of lighting as simple kerosene oil! Nobody has ever invented as good a method to use it as in The Angle Lamp. Nobody has ever equaled the combination it offers of splendid light with small cost and great convenience.



The Angle Lamp

gives a wide, powerful flame, by which, because of the special method of attaching burner, light is thrown out and down without shadows.

The Angle Lamp is the most economical lighting method in the world. One quart of oil gives fine light for 16 hours. Absolutely safe; it cannot explode. No smoke, odor, or excessive heat. No other system compares with it, in convenience, quality of light and price. These with safety and simplicity, make the Angle Lamp an absolute necessity to the family health and comfort.

As Easy to
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To Merchants: The Angle Lamp is sold through merchants as exclusive Local Distributors. Those in unassigned territory looking for merchandise that will reflect credit on their stores should write for our attractive proposition.

Made Worn-Out Land Yield \$75 an Acre

—JOSEPH E. WING



From Actual Photograph
Spalding Deep Tilling Machine making 12 to 16 inches deep, thoroughly pulverized seedbed.

Spalding Deep Tilling Machine

made land that was worthless yield an income of at least \$75 per acre.—Letter of Joseph E. Wing, Dec. 27, 1911.

W. J. Hillman, Live Oak, Fla., ordering his second Spalding Deep Tilling Machine August 18, 1911, said the Spalding Deep Tilling Machine will make 10 bushels more corn per acre than ordinary plow. Fred Bossen, Platte, S. D., using Spalding in 1911, doubled the corn yield of adjoining land. Send for our FREE literature on deep tilling and get the testimony of farmers.

SPALDING DEPARTMENT A J21 GALE MFG. CO., Albion, Mich. (24)

Send me your Free Books on Deep Tilling. This places me under no obligation.

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R. F. D.....

THE FARM



Sow plenty of spring oats to relieve the feed shortage and nourish the work animals for strenuous work. Oats furnish succulent food early and when harvested affords a concentrate high in protein.

Ventilation is just as necessary in the stable as in the home, but drafts of wind are welcomed in neither. Colds, coughs and lung diseases are more often due to bad ventilation than any other cause, and lack of ventilation is the worst.

The best way to inoculate your soil is with a manure spreader. To use a manure spreader successfully live stock must be kept on the farm, and to do this there must be crop rotation. When these things are present, the soil will be inoculated all right.

The recent cold snap did more, perhaps, to convince some farmers that it pays to fix up the farm buildings than any amount of argument could have done. Where the stables were out of repair and drafty, it cost a lot of feed to keep the animals warm, and then didn't do it. Boards are cheaper than feed.

Commercial fertilizers, when intelligently used, revive thin and worn soils and enable the manager to start a progressive system of rotation, which brings larger crops. Money can be made by using commercial fertilizers, but intelligence is necessary as in all methods of farm management.

A manure spreader should be a part of the equipment of every well regulated farm. On the dairy farm it is very important. When the cow stable is cleaned load directly into the spreader and save one handling. Use enough bedding in the cow barn to absorb all the liquid manure and make direct spreading possible.

The sub-surface packer is one of the most useful farm implements, yet only a comparatively few farmers have it as a part of their equipment. In those sections where trouble is experienced from soil blowing the packer is especially valuable. It makes a good seed bed without finely pulverizing the surface. So the surface soil does not blow off. We harrow to make a seed bed, and in so doing make a dust mulch which blows. The sub-surface packer is an implement which will bear investigation.

Last week's snow will, in many parts of the state, go a long way toward putting the fields in good condition for spring crops. The subsoil, however, does not yet carry the normal amount of moisture, and unless the rainfall is greater than normal between now and June 1, the growing crops will be short on moisture, necessitating greater efforts at moisture conservation and in keeping the fields free from weeds. In other words it looks to us as though the coming season would be one requiring better all-around farming than usual if a normal crop of corn and other spring crops is to be grown. We believe ground in fairly good condition for wheat, and wheat growers indicate a satisfactory wheat prospect.

Good seed and good farming are inseparable for the greatest profit and satisfaction. Good farming with poor seed results in the loss of energy and profit, and poor farming with the best of seed is equally disastrous. KANSAS FARMER has been devoting much space to the necessity of planting good seed corn, and by the way KANSAS FARMER has been running the greatest seed corn campaign put on by any farm paper in this section. Our readers are flooding the editor with letters—all complimenting the campaign, and nearly every letter asks for some additional information, showing the interest of Kansas farmers in good corn. Our losses from poor seed are tremendous. Our losses from poor farming are still greater. Our broad acres of cheap land and a kind providence have forced success upon our agricultural methods. Fewer acres, higher priced land, even with the same

providential blessings, are causing us to think more and more deeply on the subject of good seed and good farming.

Begin the spring plowing with a good plow. There is a big difference in plows in two respects—first in the draft, and second in the quality of work done. Of course, use a light draft plow and save all the horse flesh you can, or rather use your horse power in plowing a little deeper. Use a plow which turns a flat, smooth slice, leaving as few kinks as possible between top soil and subsoil. You do not want a lot of air pockets between furrow bottom and surface to cause rapid evaporation of moisture. To destroy these air pockets—to bring the top soil and subsoil together—is one reason harrowing of each day's plowing is recommended. You should plow in such a way that the top soil will lay closely to the subsoil and thereby permit the movement of moisture upward from subsoil to the plowed soil. There are plows which do this work much better than other plows. The best plows are advertised in KANSAS FARMER. When you have a plow such as is described you have one which will cover trash well, and that is a point worth looking after. Get the trash in the bottom of the furrow so that it will decay and become an important component of the soil.

Our Beloit, Kan., reader who in these columns a few weeks ago expressed himself as believing that the binding twine made by the Kansas penitentiary was inferior and that convicts should be used in road building, has caused a flood of letters from Kansas farmers who take issue with the Beloit gentleman. The letters are too numerous to print, but each writer says the penitentiary twine is as good as was that of other manufacturers before the penitentiary plant was established, and that it is costing much less money, saving the farmers of Kansas a large amount of money annually. Each writer makes the statement that if the penitentiary plant is losing money the state can afford the loss because the saving to the state's farmers many times offsets the loss. If this is the opinion of farmers in general it is safe to say that Kansas' penitentiary twine plant is regarded as a good thing. The principal points set forth by our Beloit reader was that the twine plant was losing money—we do not know whether it is or not—and that prisoners should be worked in the open air and under influences of a more certain reformatory nature than is obtainable under prison walls. This is an acknowledgment of the receipt of those letters favoring Kansas penitentiary twine, and no personal replies will be made.

The Kansas Agricultural College will co-operate with the Santa Fe and Frisco railroads in the running of a good roads train over each of these lines early in March. It appears to KANSAS FARMER that the instruction given on these trains will be valuable and that the train lecturers should be met by large crowds. While we do not know just what the plan of campaign will be, we feel safe in saying that it will be practical and to the best interest of the rural communities. KANSAS FARMER's good roads articles have brought from readers considerable criticism. A number of letters have been received in which the writers say they are opposed to any tax for the building of stone, gravel or oiled roads. We wonder if this is the sentiment of farmers generally. Strange as it may seem, most of these letters come from residents of the eastern third of Kansas—a section of Kansas much in need of better roads and requiring stone or gravel roads to a greater extent than any other part of the state. The city dweller welcomes paving in front of his lot. He thinks the lot increases in value at least to an amount equal to the cost of paving, and in most instances several times more. It would seem that the value of farm lands would be increased at least equal to the cost of the road improvement. This subject will be further discussed. At present writing it appears that the eastern Kansas farmer was not in favor of road improvement further than grading and dragging.

THE WHEAT BARN

(Continued from page 4.)

wheat. Such a barn can be built for \$350, and it will more than pay for itself in five years by the grain saved.

The writer lost over 200 bushels in a crop of 1,000 bushels of wheat by "rained in" stacks and continued wet fall. Threshing out of the shock is a very poor practice, especially for the average farmer. As a rule, wheat will lose a pound a bushel for every day that it is left standing in shock or field beyond a reasonable curing period. The dew of night will swell the berries, and the sun and wind next day will dry them out again; thus the bleaching and leaching process is carried on.

The writer once saw a field of wheat delayed 60 days in cutting on account of rains and soft field. This wheat would have made 30 bushels per acre, and the quality would have been correspondingly good. In those 60 days that wheat was leached out and bleached to mere chaff.

If you thresh good wheat, you have wheat to sell and wheat to sow; and, remember, that only good wheat begets good wheat and a good yield. It will take a crew of five or six farmers from ten days to two weeks to thresh out of the shock if the weather is favorable, and in unfavorable weather it may take a month. Think of the loss that some fields of wheat must sustain by exposure. If farmers stacked in a barn they all could be through in three days. Then they could resume work in their corn, which needs plowing very much.

This barn could be used for many other purposes. The first crop of alfalfa could be stacked into it, and when dry, baled and shipped to market. After the grain has been threshed out of this barn the corn fodder could be shredded into it, and this would leave the fodder handy to feed the stock.

Kansan in Washington.

J. C. Balch, Ferndale, Wash., renews his subscription to KANSAS FARMER, and writes: "We need all the information we can get out here and KANSAS FARMER fills the bill perfectly. We used to think we had a hard time in Sunny Kansas, where we could hitch up a

team and go to plowing without stump, fence or tree, but out here it costs from \$75 to \$150 to get an acre of land ready for the plow after you get the land." Every country has its drawbacks. Not everyone can live in Kansas.

Ground Rock Phosphate.

A subscriber asks for information regarding the use of ground rock phosphate, and this is given by our reader, R. C. B., Perry, Okla.: The Experiment Station at Urbana, Ill., gives the results of its tests in the use of ground rock phosphate which demonstrate its great value as a fertilizer. In a two-year rotation of corn and oats the yield was: Corn, 34 bushels, and oats, 32 bushels per acre. In a four-year rotation of corn, oats and clover: Corn, 54 bushels; oats, 47 bushels. Same rotation and 1,000 pounds rock phosphate once in four years: Corn, 70 bushels; oats, 70 bushels.

The cost of the ground rock was \$4 for the period, or \$1 a year per acre. In order to test a maximum application of the phosphate in the same four years' rotation four tons were used, with the result of: Corn, 92 bushels; oats, 89 bushels per acre. The object of this experiment was to bring the phosphorus content of the soil up to the standard of 2,000 pounds per acre, while supplying the phosphorus removed by the crop. Rock phosphate costs in Illinois about \$8 per ton, and one ton of fine ground natural rock phosphate contains about 250 pounds of phosphorus. Two tons of acid phosphate, costing about \$30, contains only the same amount of phosphorus as in one ton of the ground rock.

The Ohio Agricultural Experiment Station, in an experiment covering 11 years in the use of rock phosphate at \$8 a ton, applied once in three years, found the cost \$1.28 per acre, or \$14.08 for the 11 years. The value of the increase of crops for the time amounted to \$79.99, or \$5.68 return for every dollar expended for the rock phosphate. An important fact found from these experiments is that it greatly reduces the amount of immature grain. The soil fertility, it is claimed, increases with succeeding crops where ground rock phosphate is used.

There is no doubt that ground rock

phosphate used as a fertilizer gives valuable and profitable results. The great difficulty in the way of its general use is the cost of transportation from the fields where the distance is great.

Subscriber's Typhoid Remedy.

Our subscriber, Mark Brown, Hugo, Col., says KANSAS FARMER is the best agricultural paper he has been able to buy, but it pays too much attention to good farming and good live stock and too little to the health of its readers. Accordingly, he sends us the following:

"During the siege of typhoid fever in 1907 two of our grown children were afflicted. One was down 12 weeks and the other 13 weeks.

"An old nurse instructed us to strain the juice from kraut and give the patient, if adult, all he can drink without gorging, each day. Give it instead of water, when you can, but if patient insists on water, also give it. Let patient use at least two pints of juice daily and as much more as he wishes to drink; the more the better, and quicker restored. The above remedy—I say remedy because I have tried it and found it to be such—will cure any case of typhoid fever that has not run over two weeks. Treat children in proportion.

"A nephew of ours, W. E. Brown, was with us during our sickness. As our children got better he went to Hugo to work. He took down with typhoid fever and was bedfast at a hotel four or five days before we know it. My wife and I brought him home. His fever was very high. On arriving home I immediately sent for our family doctor. On his arrival he remarked: 'Old boy, you have got the real thing and are in for it good.' I now thought it time for some one to laugh, and I told the doctor what I had been informed by a hospital nurse, and sure enough he did laugh, but remarked that 'It wouldn't hurt him; let him have it.' He also prescribed, but we gave the kraut juice instead and in 36 hours no fever to speak of was left, and in five days he was out and well. Our son-in-law was another patient who pulled through with the above results. This is why I have faith and am convinced it will break up any case of typhoid fever under two weeks' standing."



GALVANIZED ROOFING

Corrugated and standing seam, nothing as good for farm building, will last twice as long as shingles. Anyone can put it on. We can furnish sheets 4, 5, 6, 7, 8, 9, 10 and 12 feet in length. We cut hips and gables with no extra charge. We also make barn ventilators and water tanks. Send for free catalog, prices and samples.

Walker Sheet Metal Co.
Council Bluffs, Iowa.

Breeding And Sale Barn

I have opened up a breeding and sale barn in Inman, west of the Rock Island tracks. Percherons, Hackney and English Coach stock. For further particulars write me.

H. S. TOEWS,
INMAN, KANSAS

Fine Automobile at Sacrifice

Owing to sickness I will sell my fine new HALLADAY 50-h. p. five-passenger touring car at a sacrifice. It cost me \$2,750, but I will sell for a great deal less.

This car has 129-in. wheel base, 36x4 1/2 Diamond tires, 4-cyl., 4 1/2-in. bore by 5-in. stroke; water cooled, pump circulation; double ignition; three speeds forward and reverse. Car is finely equipped over all, and has been run less than 200 miles.

If interested in owning a specially fine and reliable car, at a specially low price, write me by return mail. I will send full detailed description, answer any questions you may ask, and give you the price I will take for a quick sale. Address 215, care Kansas Farmer, Topeka, Kan.

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The Ideal Agricultural and Freighting TRACTOR

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TRADE MARK REG. IN U.S. PAT. OFFICE

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Can't lose its Grip

THIS ENGINE IS USED EXTENSIVELY BY THE WHEAT FARMERS IN California, Oregon, Washington, Idaho, Montana and Canada, for Plowing and Harvesting.

Especially adapted to territory where large tracts must be plowed and harvested quickly. It is the only Traction Engine that can be successfully used for plowing, seeding, harrowing and harvesting without packing the soil. Built for heavy duty—works under the most unfavorable soil conditions—and is the only Tractor built that plows successfully in hilly ground.

The Caterpillar

Lays Its Own Steel Track and Runs On It.

This track gives it from 2000 to 4000 square inches of bearing surface, on the ground depending on width of track. The weight of the engine is evenly distributed over this whole surface giving it the lightest bearing per square inch and the most powerful tractive grip of any engine built.

The Caterpillar can be used anywhere. Can't be mired down and has no wheels to slip in wet land or loose and sandy soils. Practicable for plowing in early spring or late fall, whenever plows can be used, regardless of soil or weather conditions. Cannot pack plowed ground.

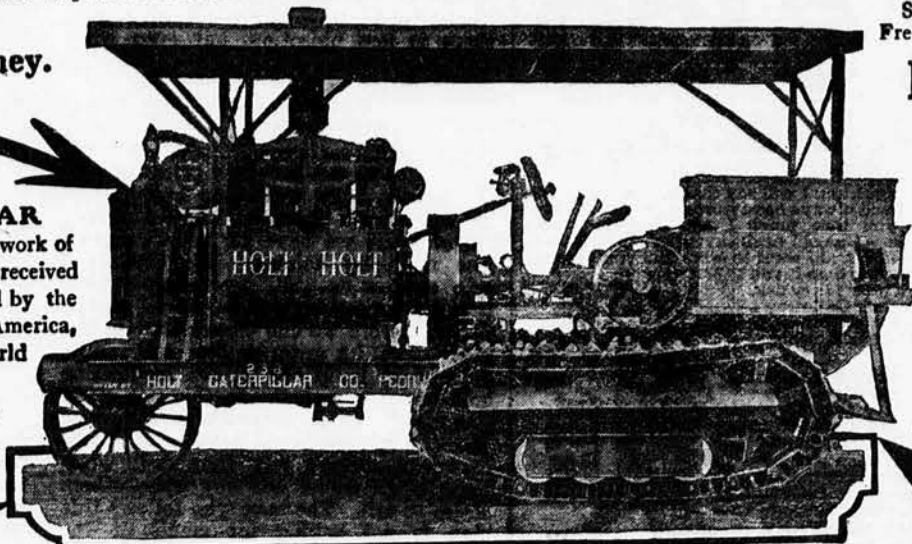
It will pull more feet of plows per motor horse power than any other tractor. Flexible and easy to handle. Turns in its own length. Crosses ditches. Develops full 45 Horse Power on the Power Pulley for threshing and all stationary power work.

THE CATERPILLAR IS READY FOR WORK WHEN THE WORK IS READY. Can be used under conditions where no other power is practicable and it does all work BETTER, CHEAPER and with LESS LABOR than any other form of tractive power.

It Will Save You Money.

45 H. P.
HOLT CATERPILLAR TRACTOR, which does the work of Thirty Horses. This engine received the \$3,000 prize in 1911, awarded by the Argentine Government, South America, in competition open to all the World for the best Farm Tractor.

Best and cheapest for all farm work in any country.



Send for 1912 Bulletins, giving full information. Free. Write today.

Holt Caterpillar Co.,
PEORIA, ILL., U. S. A.

Send on the Coupon

Date _____

Address _____

Please send Free 1912 Catalogs.

May be in the market about _____

Signed _____

Gombault's Caustic Balsam

The Worlds Greatest and Surest

Veterinary Remedy

HAS IMITATORS BUT NO COMPETITORS!

SAFE, SPEEDY AND POSITIVE.

Supersedes All Caustery or Firing. Invaluable as a CURE for

FOUNDER,
WIND PUFFS,
THRUSH,
DIPHTHERIA,
SKIN DISEASES,
RINGBONE,
PINK EYE,
SWEENY,
BONY TUMORS,
LAMENESS FROM
SPAVIN,
QUARTER CRACKS,
SCRATCHES,
POLL EVIL,
PARASITES.

REMOVES

BUNCHES or
BLEMISHES,
SPLINTS,
CAPPED HOCK,
STRAINED TENDONS.

SAFE FOR ANYONE TO USE.

We guarantee that one tablespoonful of Caustic Balsam will produce more actual results than a whole bottle of any liniment or spavin mixture ever made. Every bottle sold is warranted to give satisfaction. Write for testimonials showing what the most prominent horsemen say of it. Price, \$1.50 per bottle. Sold by druggists, or sent by express, charges paid, with full directions for its use.

The Accepted Standard VETERINARY REMEDY

**Always Reliable.
Sure in Results.**



None genuine without the signature of
The Lawrence-Williams Co.
Sole Proprietors & Distributors for the
U.S. & CANADA. CLEVELAND, O.

NOTHING BUT GOOD RESULTS.

Have used GOMBHAULT'S CAUSTIC BALSAM for more than 20 years. It is the best blister I have ever tried. I have used it in hundreds of cases with best results. It is perfectly safe for the most inexperienced person to use. This is the largest breeding establishment of trotting horses in the world, and use your blister often.—W. H. RAYMOND, Prop. Belmont Park Stock Farm, Belmont Park, Mont.

USED 10 YEARS SUCCESSFULLY.

I have used GOMBHAULT'S CAUSTIC BALSAM for ten years; have been very successful in curing curb, ringbone, capped hock and knee, bad ankles, rheumatism, and almost every cause of lameness in horses. Have a stable of forty head, mostly track and speedway horses, and certainly can recommend it.—C. C. CHAMBER, Training Stables, 990 Jennings Street, New York City.

Sole Agents for the United States and Canada.

The Lawrence-Williams Co.

TORONTO, ONT.

CLEVELAND, OHIO.

"McDonald Pitless"

Steel Frame

Wagon and Stock Scale

ANNOUNCEMENT

The McDonald Bros. Pitless Scale Co., Pleasant Hill, Mo., and New Castle, Ind., is now owned by the Moline Plow Co., Moline, Ill., and the "McDonald Pitless" Scale will be made and sold only by the latter concern.

The Original Pitless Scale—20 years on the market—21,942 in use. Every Scale sold on a 10-year U. S. Standard Guarantee.

Patented Protected Bearings Insure Accuracy.

WRITE FOR DESCRIPTIVE CIRCULAR.

MOLINE PLOW COMPANY

Dept. 4

MOLINE, ILLINOIS



HERE'S \$20

To \$45 From Galloway

Victor Sitts, of Holt, Mich., writes: "For quality you certainly make a price on your separator that is right, and I will say that I saved from \$25 to \$30 by ordering from you. I will always have words of praise for the Galloway." Let me show you how much I can save for you. I just want a chance to show you a cold cash saving of \$20 to \$45 on the cream separator you need. And I want to prove that you'll get a better separator at this big saving than if you pay agent or dealer the high prices they ask. No separator made can beat Galloway's Bath-in-Oil Cream Separator for easy turning, close skimming, quick cleaning—long service.

WRITE!

—long guarantee, and you return it if not satisfactory, all backed by my \$25,000 Bank Bond.

My Free Catalog will open your eyes to the money-making advantages of a Galloway separator and give you valuable Dairy Information not found anywhere else. Also my new catalog on Galloway's general line.

WANTED

You and 9 or more others in your township to write for my special offer—based on placing 10 or more separators in every community. My prices are such as to make sure of the business. Answer quick.

Wm. Galloway, Pres., THE WM. GALLOWAY COMPANY
383AK Galloway Station, Waterloo, Iowa

Get My Price

And Long Free Trial

NOW

LIVE STOCK



Barn yard manure will solve more problems on the farm than any other one thing except brains. With plenty of manure and a rotation of crops, success is just as nearly within grasp as it is possible to have it.

Some early crops that can be pastured by hogs is worth considering. Oats for early pasture and cowpeas, soy beans, rape or Spanish peanuts for later pasture will serve to make pork rapidly and cheaply.

Lime is a valuable stimulant for many soils in neutralizing acids, breaking down organic compounds and hastening decomposition of vegetable matter. For alfalfa and other legumes, a good dressing with hydrated lime before planting is often advisable.

When considering the idea of getting into the pure-bred live stock business the draft horse should have some thought. Draft mares will do more work than any others, and their colts will sell readily and for high prices.

Too many farms are lacking in hay crops. Of these alfalfa is the best, but if this cannot be raised then something else should be. Hay and pasture are necessary to success with live stock and every farm should be a stock farm to some extent, even if nothing but the work horses, the milk cows, a few pigs and chickens are kept.

There is no time like the present if you have not yet made a start in pure-bred live stock. Select the breed you like best and make a small start, then grow with the growth of the business. Hogs are easy to start with and the purchase of a bred sow or two at the winter sales which are now being held will soon put one into the pure-bred swine business.

The peanut is a most valuable crop for the Southwest. It supplies food for cattle, hogs and man himself. Its tops make good hay and the nuts are fine for hogs, which can do their own harvesting. The Spanish peanut is the variety recommended by Prof. Cottrell, who has given this crop long and careful study. Every farm where hogs are raised should have a patch of peanuts, and every farm should have hogs.

Live stock raising has many advantages, but none more commendable than that stock provide a market on the farm for coarse, heavy farm products. During the severe weather those who had animals and feed for them were marketing their produce every day under shelter, whereas those who must haul hay, grain, etc., to town over poor roads must suffer the penalty of a poor system of farm management.

Too much hay is a sure way to spoil a colt. The horse has a comparatively small stomach and cannot eat enough hay to properly supply all the food demands of his system without suffering for it. Hay alone is not a balanced ration, and colts compelled to live upon it without a grain ration become potbellied and stunted. A stunted colt is hard to get into condition. With alfalfa there is less objection, but even when this is fed there should be a balancing of the ration.

Do You?

We farmers often act in a most unreasonable manner. When prices of cattle, horses, hogs and sheep become low we often rush into the market to get rid of what we have for fear we shall lose more by holding. We often get into a stew to sell, apparently afraid that the prices may come up to paying figures before we can close out. On the other hand, let grain or live stock make an upward jump and we are inclined to hold on to our stuff. Is this not often the case? It is everywhere apparent. What is needed is to have stuff ready to go at almost any time, sell when there is a demand and buy when others desire to sell. The man who follows this plan is not asking for credit at the store.—L. M. WILCOX.

Eligibility to Register.

"I have a mare whose sire, grandsire and great-grandsire were registered as Standard bred. How many more crosses before the colt will be eligible to register? Will those three crosses count, or will I have to begin just as if the mare had no breeding?"—FRANK MORSS, Howard, Kan.

KANSAS FARMER comes more closely in contact with the draft and coach breeds than with Standard bred or thoroughbred horses, and a copy of the revised rules of the Standard Association is not yet at hand. My belief is that the new rules require five top crosses before a colt will be accepted for record and in this opinion I am confirmed by a breeder of large experience. Doubtless, Secretary William H. Knight, 355 Dearborn Street, Chicago, would be very glad to supply the needed information and, in view of the fact that the rules have recently been changed, I think it better to write him.

Scarcity of Bacon Hogs.

There is a demand on the markets of the United States from other countries, and more largely from our own country, for bacon, and there being few bacon hogs to supply the demand, the trade is supplied from the lighter hogs of the fat or lard hog type. The bacon, however, does not command so high a price on the market as does bacon from typical bacon hogs.

The bacon hogs under consideration here weigh from 150 to 195 pounds and range in age from 1 to 8 months. They are simply hogs selected from the light hogs in general that conform as nearly as possible to the bacon hog type. They are not very fat, have fairly good development of muscle or lean meat and are as long and deep inside as is possible to obtain them. About 20 per cent of the light hogs that come to market are of this type.

That some effort is being made to supply this demand is shown by the rapidly increasing popularity of the Hampshires throughout the corn belt.

About Live Stock Cuts.

Much of the live stock advertising that is being done in the live stock and agricultural papers would be vastly more effective if suitable cuts of breeding animals were made a part of it. Nothing talks like good pictures, and nothing talks the other way like bad ones.

For farm journal purposes a good cut is one which is made for that particular paper.

Too often the breeder is influenced by the artist to have large cuts made, and hog cuts are sometimes so large that they occupy a quarter page of space in the paper. This makes it impossible for any paper whose space is of value to use them.

Then, the cuts are frequently made for use in sale catalogs and they are etched for highly finished book paper. This makes them unfit for use in a weekly paper with its rapidly revolving rotary presses.

If the breeder would expend \$2 or \$3 on a cut of his favorite animal and have it etched to a screen of 65 instead of 130, as is generally the case, he would find that it would actually pay in dollars and cents as well as in satisfaction.

KANSAS FARMER has the most complete art department in the West and can make these cuts in any size or style, but suggests that a well chosen subject shown in a photograph with plenty of contrast and made on glossy paper is more effective in a single column or a double column cut than in a quarter page cut.

It pays to take pains in getting up your advertising copy and if you find it difficult to do it, the fieldmen or the editor will always be glad to assist.

Hogs in 1912.

This is a matter that will repay careful and deliberate thought. As the matter now stands the pens of feeders throughout the corn belt are depleted, while in Texas and Oklahoma the fattening pens are not only empty, but shoats to fill them are not forthcoming.

Disinfect Your Pens

YOU can't fatten hogs in a dirty pen. The hog house should be sprayed occasionally with Dr. Hess Dip and Disinfectant, not only to kill the lice and other vermin, but also to kill the disease germs which result from sour swill droppings. Lice hide under the troughs and pen posts—swill droppings become sour and caked, giving off foul, poisonous odors which the hogs inhale.

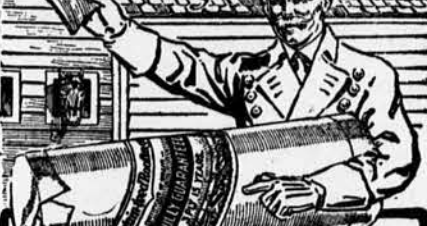
Dr. Hess Dip and Disinfectant

is a positive vermin killer, an antiseptic and powerful deodorizer. It is non-poisonous and non-irritating and makes the most effective dip for hogs, sheep, horses and cattle—spells certain death to all parasites and keeps pens, sewers, stables, barns, etc., clean and sweet smelling. Build a hog wallow and keep a solution of Dr. Hess Dip and Disinfectant for the hogs to wallow in. Cures dog mange and eczema. Meets the U. S. requirements for sheep scab—one gallon dip makes 70 to 100 gallons solution. Write for Free Dip Booklet.

DR. HESS & CLARK
Ashland, Ohio



Rain and Sun Warp the Wood Shingle



Certain-teed Roofing is indestructible

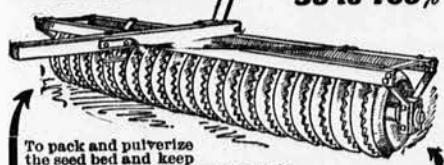
The hot boiling sun, heavy rain storms, strong winds or winter's chilly blasts have no effect on **Certain-teed Rubber Roofing**. Millions of rolls in actual use on the roof today—it is fully tried and has stood the acid test of time—we guarantee it for 15 years.

Don't decide now for or against **Certain-teed Roofing** or Rubber Shingles until you get prices from your local dealer and figure how much money you can actually save.

A **Certain-teed** label is pasted on each roll or bundle for your protection. Write at once for our valuable free book, **AN-2 "How to Build for LESS Money."**

GENERAL ROOFING MANUFACTURING COMPANY
York, Pa. Marshall, Ill. East St. Louis, Ill.
Minneapolis, Minn. San Francisco, Cal.

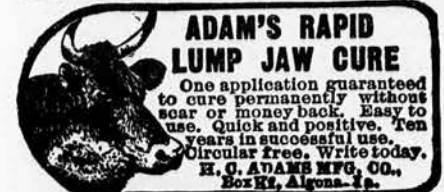
Packer, Pulverizer, Mulcher 3 Machines in 1 INCREASE ALL YOUR CROPS 50 to 100%



To pack and pulverize the seed bed and keep a loose mulch on top—to retain the moisture—is as important as to sow and to plant.

The Western Land Roller Will Do It All. We sell direct to you. Free Circular gives description, price list and testimonials. Tells how to get better crops and increase your Winter Wheat yield by rolling in the spring—how to get a perfect stand of alfalfa with but 6 lbs. of seed per acre. Write for the FREE Circular today.

Western Land Roller Co., Box 116 Hastings, Neb.



ADAM'S RAPID LUMP JAW CURE

One application guaranteed to cure permanently without scar or money back. Easy to use. Quick and positive. Ten years in successful use. Circular free. Write today.

H. C. ADAMS MFG. CO.,
Box 112, Algona, Ia.

BOWSER SWEEP MILLS

Different from all others. Grind Corn with husks. Kaffir in the hand and all kinds of small grain. 4 and 2 horse sizes. (Also make 10 sizes of belt mills) FREE—Booklet on "Woods and Measures" C.N.P. Bowser Co., South Bend, Ind.

EASTER POST CARDS FREE

Send me two 2c stamps and I'll send you 10 beautiful Easter Post Cards and tell you about my big SURPRISE.

E. T. REARDIN, 47 Success Building, Des Moines, Iowa

In the corn belt fear of cholera has sent thousands of immature hogs to the market, and this exodus has been helped by the high price of corn. In the Southwest the drouth is responsible for the present scarcity of hogs, and this has been helped in some localities by the appearance of a strange disease among the herds. But the lack of feed has sent more Southwestern hogs to market than all other causes combined.

So, while the number of hogs coming to market, all over the country, shows an increase, this is at the expense of weight. The average weight at the Fort Worth market for the season now at its height is 25 to 50 pounds below the average weight of a year ago. This means the immediate loss of more millions to the market next fall. In our opinion this loss must in the end operate to the advantage of the swine growers who are so situated as to hold on to their breeding herds. This has reference to those breeding for the market. In the South there is no future crop of hogs in sight, the immense number of pigs coming to slaughter having destroyed all hope of increase from that quarter. With a shortage of hogs there must be an advance in price, and those who have hogs to sell next summer and fall will witness a change in prices for the better.

Breeders of pure-bred hogs will be called on to supply the foundation for the new market herds that will be needed.—Murray's Swine Breeder.

Buy Bred Sows.

The only means by which a farmer can get a crop of pigs next spring is to buy bred sows if he has none. The quickest way to get back into the hog business after being cleaned out by the cholera is to buy bred sows. The surest, easiest and quickest way to get into the pure-bred swine business is to buy bred sows.

There are numerous sales of all breeds in all parts of the country, and the first thing to do is to select the breed you will like best and then attend a sale. No man will succeed well with a breed which he doesn't like or which he thinks is inferior to some other breed. Pure-bred animals induce a love for them and if one has selected a breed which he believes to be at least the equal, if not the superior, of others he stands a better chance of winning out in handling them.

Buying a bred sow affords other advantages. It gives the buyer a better chance to judge the animal. If she has a tendency to sway in the back she will show it then. If she has a bad disposition she will also show that. If she is weak in the feet or legs this weakness will also be apparent.

On the other hand, she will show her good qualities to a better advantage. A strong back with good feet and legs and a mild disposition are especially desirable in the brood sow, and if she has these she will show them before farrowing time.

A man can afford to pay a higher price for a brood sow, as he has escaped the work of caring for her, the expense of her feed, most of the danger of loss and the possibility of her not being a breeder.

If she does not carry her own guaranty and show plain evidence of being a breeder she should be fully guaranteed by the seller.

The bred sow should be in a fair condition, as she will need a reserve of flesh in order to properly suckle her young without getting out of condition herself. It is not necessary that she be very fat, but she should be in the finest possible condition, both for her own good and that of the pigs. There should be no hint of sickness or disease about her. Even a cough should be regarded with suspicion. The modern hog is a product of man's skill and the knowledge of nature's laws. It meets his demands in a most satisfactory way but, as mankind does not know all about the laws of nature, the modern hog is not so well able to care for itself as its wild ancestors were. She will repay kindness and care and when removed to her new quarters she should be handled carefully and given the same kind of feed that she has been accustomed to. The feed may be changed, but it should be done gradually. A variety in the bill of fare is appreciated by a hog as well as by a man, and a well balanced ration composed of 60 pounds of corn meal, 35 pounds of shorts and 5 pounds of tankage mixed in 100 pound lots and fed with plenty of alfalfa hay in winter or pasture in summer will bring the best results with brood sows.

Other rations may be compounded, but

nothing seems to take the place of tankage. It supplies a need of the system and satisfies a craving of the appetite. Sows fed on tankage do not eat pigs and, if the ration is properly balanced, they will be much quieter and do better. To do its best, any domestic animal must be kept comfortable and a properly balanced ration is an important part of animal comfort.

SHEEP and CONSERVATION

(continued from page seven)

cannot raise sheep in Kansas. Yet, for two years a woman has raised and shipped to Kansas City, native lambs that were acknowledged to be the best native lambs to reach that market. There is one word I would like to eliminate from every article written on sheep, and that is the word "scavenger." It is true he turns into mutton the weeds and much forage not eaten by any other stock, but he demands his feed to be clean and wholesome, and men misconstrue the word "scavenger" to mean any kind of feed, short rations and poor pasture. Deplete the flock, and a flock once depleted is almost impossible to get back in condition.

There is one great enemy to successful sheep husbandry in the eastern part of Kansas—the stomach worm. It is a small worm that infests the fourth stomach, taking blood and emitting a poison into the system. The eggs are carried in the feces to the ground and are hatched and the worms crawl up the grass and are taken by the sheep in grazing. Depleted pastures aid them in making depleted flocks. As the stomach worm must have heat and moisture to hatch and develop, the early lamb that is well fed gets to market too early for them to have done much damage, and the ewe flock, if kept strong, can, with an occasional change of pasture, resist their attacks.

In the grain growing belts of Kansas we no longer have cheap grass, and it is best to feed grain to the lambs—mixed grain lightened with bran—until 2½ months old, when they can eat corn unground. A culling chute instead of a "creep" is an improvement. By this method, my neighbor this last June sold a carload of February lambs that averaged 84 pounds each at the St. Joseph market, and sold for \$7.15 per hundred. A neighbor that is a believer in clover and sheep has a four-year average of 37½ bushels of wheat per acre. England raises two and one-half times as much wheat per acre as does Kansas, and she owes her agricultural success largely to her sheep industry, using soiling crops for the sheep, and behind them grew great crops of grain. We people of Kansas know nothing of soiling. The only thing I know is that one year I sowed oats and pastured with sheep and the next year the yield of wheat per acre was enough more than any of my neighbors got to more than pay for the oats crop which they said I lost, and the lambs sold at \$7.40 per hundred. England has 304 sheep per square mile, and Kansas has about 2, excluding feeding lambs. Kansas, with as many sheep to the square mile as England, would have about 25,000,000, and there need be no alarm felt about feeding them. In 1909 Kansas produced 147,000,000 bushels of corn, 25,000,000 bushels of oats, besides millions of bushels of other grains suitable for feeding sheep, 350,000,000 tons of hay and as much more milo maize, Kafir corn and cornfodder—twice the amount needed to feed these sheep. We could use all the wheat straw and most from hay and other feeds for these sheep, and if this was all returned to the soil for conservation, who can say: "Oh, what shall the harvest be?"

Every fair day has value, and none should be lost. Lose no time in preparing the land and in getting ready to sow the early spring crops. Much will depend upon early soil preparation. Get busy with the manure spreader.

A working plan is a valuable part of the farm equipment. With a well thought out plan you can drive your work all of the time and not allow it to drive you.

Bacon hogs have long noses, and breeders say that long nosed hogs always produce better bacon than do short nosed ones. It is also true that the bacon breeds respond to good feed and care so rapidly that in a few generations their type may change and they cease to be bacon hogs. The most remarkable transformation of this kind is found in the mule-footed hog.

This Big Catalog Everything For The Home, Farm or Person FREE

NEARLY 1,000 PAGES



TELLS HOW TO BUY
Groceries, Clothing, Women's Apparel, Shoes, Dry Goods, Millinery, Farm Implements, Wagons, Buggies, Harness, Ranges, Incubators, Bee Supplies, Gas Engines, Cream Separators and all kinds of Farm Implements at lowest known cost.
Get this great Co-operative Book No. 26 quoting WHOLESALE Prices on Everything you need or want and save money.
646 Liberty St.,
JONES, POST & CO. Kansas City, Mo.

Ventiplax PADS The Collar Pad without a fault

because it is made right. This is the pad which is made of ventilated fabric that keeps a constant circulation of fresh air under the collar and prevents sore shoulders, galls and sore necks.

Your horses are always ready and willing to work when they have Ventiplax Pads in their collars. If you have a horse with a sore neck, buy one of these pads and see how quickly it heals.

Your dealer should have them, but if not, send us his name and we will ship a sample promptly.
Better than other kinds, but cost no more.
Patented Sept. 20, 1910
Write for our interesting folder. We also make the famous "Stay-on" Blanket.
Burlington Blanket Co.,
Dept. 30
Burlington, Wis.

Give Your Horses a Hair Cut with this

Stewart Ball Bearing Machine

It's the easiest to turn, does the fastest work, stays sharp longer and is more durable than any other clipping machine ever made.
The price, all complete, is only \$7.50.
You can get it from your dealer or send \$3 and we will ship C. O. D. for the balance.
Chicago Flexible Shaft Co.
206 Ontario, Chicago
Write for new catalog showing the largest and most modern line of horse clipping and sheep shearing machines in the world.

Denison's Means Perfect Drain Tile

Perfectly made—smoothly finished, hard burned shale clay tile free from lime and defects, the kind that's recognized the world over as the highest standard. Used by agricultural colleges and expert engineers. When your job of tiling is once done, it's done forever.
Ask Your Dealer
to show you Denison's Tile and see how much better it is than other kinds. If dealer has none in stock tell him to write us for free sample tile.
VALUABLE BOOK FREE
Write today and get it. Find out why tiling pays. How and when to do it. Why the best tile is Denison's. The like Denison's should be used on other valuable farm buildings.
ASK YOUR DEALER
NATION CITY BRICK & TILE CO.
515 Main St., Kansas City, Mo.

Farmers Sons Wanted

with knowledge and education to work in an office; \$60 a month with advancement, steady employment, must be honest and capable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. 22, London, Canada.

DE LAVAL CREAM SEPARATORS

are used exclusively by
**98% OF THE WORLD'S
CREAMERIES**

Ten years ago there were a dozen different makes of creamery or factory separators in use. Today over 98 per cent. of the world's creameries use DE LAVAL separators exclusively.

It means a difference of several thousand dollars a year whether a DE LAVAL or some other make of separator is used in a creamery.

Exactly the same differences exist, on a smaller scale, in the use of farm separators. Owing to the fact, however, that most farm users do not keep as accurate records as the creameryman, they do not appreciate just what the difference between a good and a poor separator means to them in dollars and cents.

Now, if you were in need of legal advice, you would go to a lawyer. If you were sick you would consult

a doctor. If you had the toothache you would call on a dentist. Why? Because these men are all specialists in their line, and you rely upon their judgment and skill.

When it comes to buying a separator why not profit by the experience of the creameryman? His experience qualifies him to advise you correctly. He knows which separator will give you the best service and be the most economical for you to buy. That's why 98% of the world's creameries use the DE LAVAL exclusively.

There can be no better recommendation for the DE LAVAL than the fact that the men who make the separation of milk a business use the DE LAVAL to the practical exclusion of all other makes of separators.



THE DE LAVAL SEPARATOR CO.
NEW YORK CHICAGO SAN FRANCISCO SEATTLE

730 TIMES A YEAR—You'll Be Mighty Glad That You Selected a GREAT WESTERN Separator

Twice a day—730 times a year—for a lifetime—you'll be mighty glad you chose a Great Western Separator instead of any other.

Whenever neighbors are around while you skim—or when you happen to be at your neighbor's when he is skimming with some other make—you'll feel proud of your judgment in selecting a Great Western. You'll realize then, what Great Western

The Great Western is ball-bearing throughout. The balls we use are absolutely uniform in size and test 50% to 100% harder than balls others use.

The ball races in the Great Western are tempered so hard that you cannot cut them with a file. That is why the Great Western beats them all for easy running and long service—why it is positively the greatest and undisputed

Quality

means to you. You'll realize what it means in close skimming, easy turning, easy cleaning and in bigger profits from quality cream and butter. Let us tell you the facts.

The Great Western bowl follows nature's laws by delivering the cream from the top and the skim milk from the bottom. There is no chance of their mixing—so you get the utmost in quantity and quality of cream—even when skimming COLD milk.

The bowl of the Great Western is self-draining and self-flushing. There are no long tubes, no minute slots, nooks, corners, crevices or ragged edges to hold milk and collect dirt.

Write for our fine book today.

Rock Island Plow Co., 245C Second Avenue
Rock Island, Illinois.

Value

ever offered in a cream separator. We will arrange to give you any kind of a trial you want on any size Great Western.

Test it yourself on every point, close skimming, ease of turning, ease of cleaning, sanitary construction, quality of cream, quality of butter and every feature that means durability—the most cow profits for the longest time.

Our 5 year guarantee and Security Bond prove our confidence in the Great Western.

Write Us Now

Let us send you our big book on more dairy profits. See how you can make from \$10.00 to \$15.00 more each year from every cow you milk. See the only separator that follows natural laws. The only separator cleaned in a jiffy. Skims warm or cold milk to a trace.



DAIRY



Effingham County, Illinois, has 500 silos and 7,000 milk cows. All this has been brought about in the last six years.

Breeding counts in the dairy herd. It is not necessary, however, that a cow be pure-bred in order that she be a large and profitable producer.

Many dairy and beef farmers in Illinois are growing sweet clover as a preparatory crop for alfalfa. This is one result of the organization of the Illinois Alfalfa Club.

The dairy interests are united in a determined stand against imitation butter. Few can object to oleo, but to sell oleo, or anything else, as butter is a fraud.

If your cream tests less than 25 per cent go after your separator screw. You cannot afford to sell 25 per cent cream. Pigs will pay more for such cream than the creamery can pay.

In California several club women are reported as having become deputy milk inspectors for the purpose of cleaning up the milk supply of some town. "The hand that rocks the cradle" is taking a crack at a few other things, in California as in Kansas.

There is no speculative feature connected with dairying. Know your cows by weighing and testing. Weed out the poor ones and begin improving with absolute certainty. A good cow will produce butter fat at a profit always. It is worth something to be engaged in a business, the product of which sells for cash.

It costs considerable in time and money to work up the rough feeds of the farm into cream, but the product is worth while. After the cream is produced a man must be a "queer 'un" who would deliberately do anything that would injure its value or who would neglect the things that would protect it from damage.

Pure-bred dairy cattle are in great demand. A few days ago there sold in Lincoln, Neb., 150 Holstein bulls, cows and heifers in a public auction and the top of the sale was \$600 for a bull. The average was good. Later, at Omaha, another like offering was disposed of, which averaged about \$114 for all ages and grades of females.

The proper use of the hand separator will enable the creameries to make as good butter as they could from whole milk, and thus leave the farmer the warm skim milk for his pigs and calves. The number of parts in the hand separator is not so important, but the keeping of these parts perfectly clean and sweet is of vital importance. Hot water is the greatest solvent and disinfectant known to science.

The milking season on most farms is too short, beginning and closing with grass. A large percentage of our cows produce a good flow on grass. This flow would make these same cows highly profitable if continued over a period of at least 10 months. The milking period could easily be extended if proper feed were provided. The silo is the easiest solution. The silo will convert an unprofitable dairy into a profitable enterprise. While doing this it will make other live stock departments more profitable.

Causes of barn taint in cream and butter are: Keeping the cows in a poorly ventilated barn, especially if the barn is not kept clean and the cows not well bedded. Milk pails and cans should not be left standing in the barn any longer than necessary before milking, and as soon as the milking is done, remove the cans and pails from the barn. The milk and cream should not remain in the barn over night, or be left in an adjoining room if that room contains barn odors. If the dairyman has no milk house a small water-tight box or even a barrel can be used to good advantage as a place for storing the cream.

A farm dairyman having trouble with injured udders—he thinks garget—wonders if concrete floors, on which his cows stand, is responsible for this injury. We do not like concrete floors for cows. If the concrete is rough—not slippery—a considerable part of the possibility of injury is avoided. Plenty of bedding should be used always. We like a slatted or wood floor on top of the concrete. Concrete is a good conductor of heat or cold, and an udder coming in direct contact with it, is liable to injury.

The editor well recalls when the milking of a few cows was regarded as beneath the dignity of the Kansas farmer. In those days the height of most farmers' ambition was to feed a few steers. How times have changed! The feeding of steers is each year drifting more and more into the hands of the trained feeder, although that should not be so, for the farmer can and should feed out his own steers. But dozens of former steer feeders are now milking cows instead of feeding steers, while others are milking a few cows to keep the farm going on a cash basis until the steers are finished.

We have recently seen a herd record in which these figures appeared: Averaged, 8,514 pounds milk and 331.5 pounds fat, producing milk worth \$158.25, at a feed cost of \$89.16. The average profit per cow was \$69.85 over cost of feed. For each dollar expended for feed the cows averaged to return \$1.77. This herd included five pure-breds and 11 grades. The average of the grades was higher than the pure-breds in this particular instance. What does this prove? That we can make a good profit without having a high-bred herd, but it is certain that those grades had some good pure-bred producing blood back of them; the cost of feed seems heavy in this herd, but a liberal feeding will pay in the end; feed all that a cow can economically use to advantage.

The best way to select a dairy cow is to take the amount of milk and butter fat she produces and keep a record of it; that takes time, but there is a certain relation between type and production. The wedge shape belongs to the dairy animal, the triple wedge shape as viewed from the front, the side and from the top. We want fine hair, small bones, for if we have coarseness to any marked degree it shows a tendency to the beef type. The udder is the most important of all; it should come well forward and run up well behind; the fore udder should not be cut up; it is more apt to be defective. Teats should be well placed, of fair size and reasonable distance apart. The milk veins and milk wells are important as showing productive capacity. The more twisted or crooked the veins, the greater the capacity of the udder to produce milk. The veins should be long and large but not of too large size for the capacity of the milk wells. The escutcheon is not thought to be indicative of capacity, as was so thought thirty years ago.

The editor recently talked with an Iowa farm dairyman who said he owned eight Holstein cows which, in 12 months, had produced for him 120,000 pounds of milk, testing 3.8 per cent fat and containing 4,560 pounds of butter fat, or an average butter fat production of 570 pounds of butter fat per cow. The owner has promised KANSAS FARMER a photo of each of these cows, and in an early issue we hope to show our readers how these animals look. These figures look large—they are large—but far from the record breaking figures of individual cows. The editor himself bred on a Kansas farm a herd averaging in 12 months, 330 pounds of butter fat per cow, and did it with no extraordinary means or effort and with money expenditure for bulls only. Our Iowa friend's cows are not two times as good as were ours. The painstaking farm dairyman can develop 500-pound cows. He can do it in 15 years. What satisfaction in milking, stabling and feeding only eight cows to obtain the product of 24 average cows!

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No fits and ends. Test them. Try them for 1 year. If they break or fail to satisfy you get your money back. 10,000 bond protects you. You take no chance. Trojan gates are real gates. Made of special heavy high carbon steel tubing. Have patent latch, special hinges. Cannot sag. Absolutely hog tight and bull proof.

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You are right in concluding that a separator which gives you this kind of service is the quality separator—The World's Best.

Remember that Dairy Tubulars are different from all others. Built on the only known principle which overcomes the many parts and faults of others. Patented. Can not be imitated. Have no disks. Twice the skimming force. Skim faster and twice as clean. Wear a lifetime. Guaranteed forever.

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Write us for free trial. Other separators taken in exchange.

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Reports from the grain fields of Alberta, Western Canada, show splendid yields of wheat, oats and barley.

Many farmers have paid for their land out of the proceeds of the crop of 1911. At exhibitions throughout the U. S. wherever the grain from this Province has been shown it has received the highest commendation.

Free Homesteads of 160 acres and adjoining pre-emptions of 160 acres (at \$3 per acre) are to be had in the choicest districts. Schools convenient, climate excellent, soil of the very best, railways close at hand, building lumber cheap, fuel easy to get and reasonable in price, water easily procured, mixed farming a great success.

Write as to best place for settlement, settlers' low railway rates, pamphlet "Last Best West," and other information, to Supt. of Immigration, Ottawa, Can., or to Can. Gov. Agt.

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THIS OFFER IS NO CATCH. It is a solid proposition to send, on trial, fully guaranteed, a new, well made, easy running separator for \$15.95. Skims hot or cold milk; making heavy or light cream. Designed especially for small dairies, hotels and private families. Different from this picture, which illustrates our large capacity machines. The bowl is a sanitary marvel, easily cleaned. Gears thoroughly protected. Western orders filled from Western points. Whether your dairy is large or small, write us and obtain our handsome free catalog. Address: Box 1091

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We guarantee our mixed paints not to crack or peel during 5 years of service. (If it should we will furnish new paint free) and a gallon will positively cover at least 250 square feet of surface with two coats. Don't delay, but sit down right now and write for our great paint book, and see the beautiful colors and marvelously low prices, and read our wonderfully liberal 5 year guarantee which protects you absolutely. Write for Sample Book

JOHN M. SMYTH & CO. Madison St. Chicago

The dairy cow as a soil builder is without a peer. In every section where the land has become depleted, the cow is the important factor in the scheme of upbuilding. It is wise to patronize the cow as a maintainer of fertility.

Soy Bean Meal for Dairy Cows.

Soy bean meal, made by grinding up the entire soy bean plant, is giving excellent results as a feed for dairy cows on the farm of T. B. Foster, Warren County, Ohio. Mr. Foster, who is a graduate of the College of Agriculture, raised over 20 acres of soy beans last season. A part of the crop was planted with corn and put into the silo. The remainder, following sweet corn, was allowed to ripen and ground into meal. This bean meal is being fed in the ration with corn and cob meal, cottonseed meal and distillers' grains. Mr. Foster expects to put out about 75 acres this coming season. According to present plans he will sow oats and Canada field peas as a soiling crop and then follow with the soy beans. He has over 300 acres of land and keeps about 60 head of Jersey cows, from which he sells milk at retail in Cincinnati.

Some Cow Rations.

For a cow that is giving from 20 to 25 pounds of milk a day, the following rations are considered about right. Cows that are giving more or less than this quantity of milk should have their feed increased or decreased accordingly:

Ration 1.	
Corn silage.....	25 pounds
Clover hay.....	10 pounds
Corn.....	4 pounds
Bran.....	4 pounds
Ration 2.	
Corn silage.....	30 pounds
Alfalfa or cowpea hay.....	10 pounds
Corn.....	6 pounds
Bran.....	2 pounds
Ration 3.	
Clover hay.....	20 pounds
Corn.....	5 pounds
Bran or oats.....	4 pounds
Ration 4.	
Clover hay.....	20 pounds
Corn and cob meal.....	7 pounds
Gluten or cottonseed meal.....	2 pounds
Ration 5.	
Alfalfa or cowpea hay.....	10 pounds
Corn fodder.....	10 pounds
Corn.....	5 to 7 pounds
Bran.....	2 pounds
Ration 6.	
Alfalfa or cowpea hay.....	15 to 20 pounds
Corn.....	8 to 10 pounds

Where the Dairymen Stand on Oleo.

The existing oleomargarine law was framed with a desire to promote commercial honesty and to protect both consumer and producer.

The food value of oleo does not depend on its color, while the dishonest sales of the article are possible solely on its color being such as to counterfeit butter. The fallacy of the claim that oleo is colored to make it more palatable is shown by the fact that different colors are natural to different products, that no color is, in and of itself, more palatable than another. The color desired for oleo is the color of butter.

In consideration of these facts, the present law was enacted with the idea of reducing the tax on natural oleo from 2 cents per pound to a nominal figure for administrative purposes so that the consumer could get it as cheaply as possible, and of increasing to 10 cents per pound the tax on oleo when colored so as to be a counterfeit of butter.

The commissioner of internal revenue asserts now that this law has been to an extent a disappointment for three reasons: Adverse decisions of some courts as regards certain administrative features; adverse decisions of the courts through the presence of the word "artificial" before the word coloration; the great disparity—40 to 1—in the tax on colored and uncolored oleomargarine. The first objection has been removed by a recent decision of the Supreme Court. The Dairy Union, after a full consideration of existing conditions, and taking counsel of those representing the National Grange, the Farmers' National Congress and other organizations, has decided to meet the other objections to the law, and also to show that the dairymen do not want "to tax the poor man's butter" or "to add to the cost of living" by favoring a reduction of all taxes to a nominal figure. But the dairy interests will insist that no oleo shall be manufactured or sold in imitation or semblance of butter of any shade of yellow.

The Dairy Union believes that the line between genuine and dishonest oleo is based on color, and that some form of color regulation is necessary to maintain that line. A bill has been drafted expressing the ideas of the Union, and members of Congress should be promptly informed by letter and telegram of the wishes of the dairymen. Lose no time.

Diamond TIRES

MADE TO FIT EVERY TYPE AND STYLE OF RIM

WHEN you are buying a new car remember that the car maker does not guarantee the tires on the car he sells you. He sells you a car equipped with tires and there his responsibility ends—but yours begins.

If you want to get all the pleasure and satisfaction you are entitled to, insist that your new car be equipped with Diamond Tires before you place the order.

You will use your car largely upon country roads. Country roads are much harder on automobile tires than are city streets, and repair shops are farther apart. The car maker may have overlooked that point in equipping his cars. But you who are to use the car must not overlook it.

Diamond Tires are the best tires for the farmer's automobile. They not only give Greatest Mileage but they are above all other tires best fitted for the severer service that is demanded of them. In every Diamond Tire there is built in the experience of fourteen years—a longer experience than any other maker can claim.

No matter what car you own, no matter what its style of rim may be, there's a Diamond Tire to fit every style, type and size of rim.

Diamond Tires are not only greatest in service and mileage but they are far less subject to accidental injury, and if injured are more easily and cheaply repaired than any other tire you can buy.

There are Diamond dealers everywhere—there's one near you. And Fifty-Four Diamond Service Stations that take care of Diamond tire users. If you don't know who is your nearest Diamond dealer, write

The Diamond Rubber Company

AKRON, OHIO

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HIP DISEASE in the painful stage can be relieved and the inflammation permanently arrested. Shortening, deformity and loss of motion can usually be corrected. No surgical operations are confinement.

INFANTILE PARALYSIS We can refer you to many responsible people all over the country, whose children, practically helpless from Infantile Paralysis, were restored at this Sanitarium.

DEFORMED KNEES OR JOINTS yield to our methods of treatment, and if interested you should know about it.

This is the only thoroughly equipped Sanitarium in the country devoted exclusively to the treatment of crippled and paralyzed conditions.

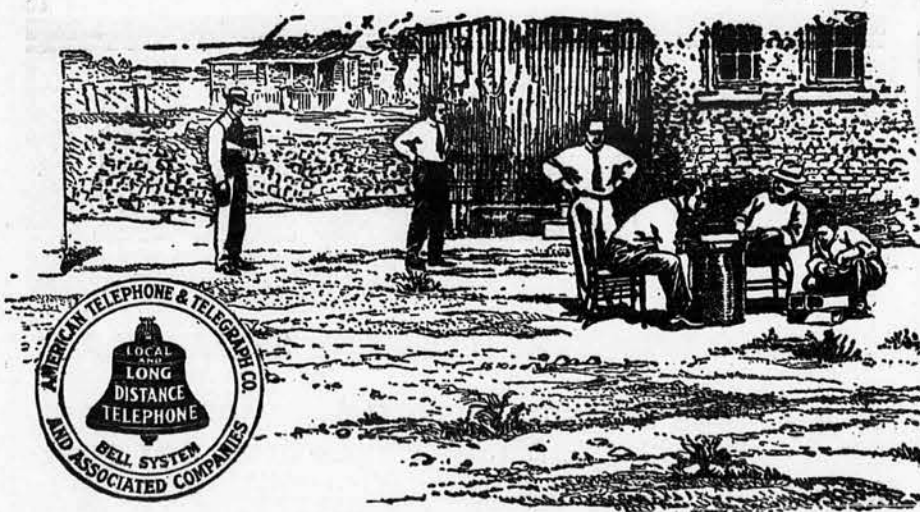
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"The Center of Population"

A Title that Fits Every Bell Telephone

From the census of 1910 it is found that the center of population is in Bloomington, Indiana, latitude 39 degrees 10 minutes 12 seconds north, and longitude 86 degrees 32 minutes 20 seconds west.

"If all the people in the United States were to be assembled in one place, the center of population would be the point which they could reach with the minimum aggregate travel, assuming that they all traveled in direct lines from their residence to the meeting place."

—U. S. Census Bulletin.

This description gives a word picture of every telephone in the Bell system.

Every Bell telephone is the center of the system.

It is the point which can be reached with "the minimum aggregate travel," by all the people living within the range of telephone transmission and having access to Bell telephones.

Wherever it may be on the map, each Bell telephone is a center for purposes of intercommunication.

To make each telephone the center of communication for the largest number of people, there must be One System, One Policy and Universal Service for a country of more than ninety million.

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One Policy One System Universal Service

RAYO INCUBATOR

The Most Wonderful
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The RAYO isn't the best because we say it is, but because it has been **Proved** best in the hands of thousands of thoroughly pleased users. The Rayo has **More Actual Improvements** than any other machine made.

ONLY ONE GALLON OF OIL FILLING OF TANK ENTIRE HATCH

Eggs turned and cooled without removing egg tray. Lamp cleaned without removing tank or chimney. Hinged lid, double glass panels, making eggs, thermometer and chicks always in plain view. Wonderful automatic regulator which raises and lowers flame as required. Write today for our **Free Poultry Book, "Eggs To Money."** It thoroughly describes this wonderful hatching machine, and gives prices. Write for your copy today.

RAYO INCUBATOR CO. Barber Street, Blair, Neb.



WHY INCUBATOR CHICKS DIE

The book entitled, the History of White Diarrhoea, or Why Incubator Chicks Die, will be sent absolutely free by return mail to anyone sending us the names of 5 to 8 of their friends that use incubators. This book can save you \$100 this summer. It describes White Diarrhoea, or bowel trouble, the cause and tells of a cure. Book absolutely free for the names.

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If interested in blue blood and egg machines, send for my mating list. Eggs, \$5 for 100. Louis Burre, Leavenworth, Kan.

POULTRY

The time for hatching chickens will soon be here, and it is well to be forehanded in your preparations.

If you intend hatching some pure-bred chickens this season, just now is a good time to be sending for circulars from fancy poultry raisers.

There is no best kind of fowls. If you like a particular color or shape, that is the best kind for you. There is more in the feed than in the breed.

A remedy for nearly all poultry troubles, and one which has been found very efficient, is to always exercise care in doing all the work pertaining to the poultry at the proper time.

If you have decided upon the breed of chickens you are going to raise, send off for circulars to specialists of that breed rather than to one that raises a dozen different breeds of poultry.

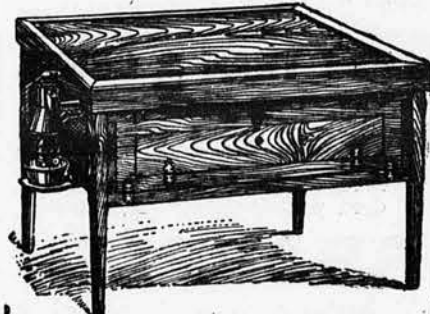
Many people make poultry raising difficult because they don't give it the same careful attention that they would given to other lines of endeavor. They think anything is good enough for the chickens. But poultry demands the best that is in a person, and is worthy of the best endeavor.

A correspondent wishes to know if it is possible for a hen to lay two eggs in one day. Yes, such a thing is possible, and has happened at times, though not as often as some people would claim. Unless one has trap nests and is certain of the identity of the hen that is supposed to lay twice daily, it is best to be careful with such claims. At a recent experiment at Cornell University a few cases were recorded where hens occasionally laid two eggs in one day, but would lay none the next day. These were authentic cases, for they were trap-nested. Our experience is that the hen that lays two eggs a day has laid no egg the day before, nor will she lay one the day after. It is supposed that she was almost ready to lay the evening before, but went on the roost before laying; then very early in the morning she laid this egg, then another one before the close of the same day. Such hens are not more valuable or more prolific than other hens, and are merely freaks of nature, just like a hen that lays double-yolked eggs.

Monthly reports are issued by the director of the Missouri poultry experiment station on the results of the national egg-laying contest now going on in that state. But these monthly reports are very unsatisfactory, for it is simply a change about almost every month. One month the Orpingtons are ahead, another the Rhode Island Reds, and another the Plymouth Rocks. But nothing is said as to their feed or care, which is just what the uninitiated want, so as to know what to do to get certain results. We presume that at the end of the contest the feed and care will be given, and one can then get some definite conclusions. In last month's report is this remarkable declaration: "One hen has made the remarkable record of 75 eggs for the three winter months. If she could maintain this record for the balance of the year she would produce exactly 300 eggs in the twelve months." Much virtue in "if." We have a hen that has laid seven eggs during the past seven days, and "if" she would only keep up the same gait, she would lay 366 eggs this year, for this is leap year. But there's that "if" in the way, and it is nonsensical to speculate on it, and especially is it foolish for professional experts to theorize on "ifs" and impossibilities.

Raise the Best.

Are you making all the money that you ought to out of your poultry? If you are raising scrub chickens, you certainly are not making near the amount that you could if you had thoroughbred poultry. If you are making some money with mixed breeds, under ordinary conditions, why not raise pure-breds and be in a position to sell fowls and eggs for breeding purposes, and make twice as much money. Too many in the business—no demand, you say. Not at all; for though there are many poultry breeders, there is still room for one more. And as for demand, it is unlimited. That is, the demand for the best kind of poultry is unlimited. Although there are more Barred Plymouth Rocks than



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KANSAS MADE.

Here is an incubator equal to the best on the market, an incubator that has been thoroughly tried and has proved its superiority, made of the best redwood lumber, and worth the price. It has a double acting regulator that acts quietly and surely and always. Equipped with Taylor Brothers' "Tycos" thermometer, the best made. Requires less oil than any other incubator. It hatches the hatchable eggs. Find out about the incubator that is made in the good state of Kansas. Two sizes, 150 and 200-egg. Guaranteed for 60 days. Send for free catalog that tells all about it.

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That's my fair and square offer to readers of this paper. I claim to have the best built, best looking, best hatching, easiest operating machine in the world, or your money back if the Fairfield fails to make good.

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Guaranteed to Hatch 90%

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good as another. For real chicken profits try the

Fairfield. I guarantee my incubator in writing. No other manufacturer will equal this offer,

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Send a postal sure this time for
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to fit all
from a
three-year-
old boy to a
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to make Garden, and wants to buy
the best Seeds obtainable. Acorn
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stock is complete. If you have not
received a copy of our 1912 Book of
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We have Leghorns (8 varieties), Minorcas
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from pens containing our winners. Prices
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What is the use to go to the trouble
to hatch chicks and then let them die?
Thousands of chicks have been saved by
feeding "THE OTTO WEISS CHICK
FEED." Why don't you save yours? It
is a scientifically prepared balanced ra-
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any other variety of poultry, they are
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limited, and when found the price is a
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a surplusage of culls of any breed, but
the supply of first-class specimens has
never been filled.

A nice flock of thoroughbred chickens
commands admiration. They will, to a
great extent, advertise themselves. Give
them good treatment and you will get
150 to 200 eggs per year from each
thoroughbred, instead of 75 to 100 from
the scrub chicken. The fullbloods are
not only the most profitable in a direct
way, but they make your place or prem-
ises look better, give the owner a pre-
stige that is comfortable, and really
profitable in the long run.

Ask the owner of a scrub flock why
he does not have some thoroughbred
chickens and he will say that the com-
mon kind are healthier than the pure-
bred kind. There is nothing to this.
If not given proper care, both pure-bred
poultry and scrub chickens will sicken
and die, but with proper care neither
will get sick.

You never hear of any increase in the
egg production of scrubs. The improve-
ments have all been among the thor-
oughbreds. No trap nests, so as to tell
the number of eggs laid, are used for
common stock, whereas among pure-breds
they are used, so the improvements can
be told from year to year, and breeds
that only averaged 100 eggs a year
some years ago are now yielding 200 to
250 eggs per year.

Another reason for the pure-breds is
the evenness of market fowls and eggs.
A coop of chickens of uniform color is
more attractive and will bring a better
price, and the same can be said of an
even colored lot of eggs. You can al-
ways get the top market price for pure-
bred poultry and eggs.

A raiser of pure-bred poultry can eas-
ily sell lots of settings to neighbors at
\$1.00 per setting, and if he advertises,
at \$2.00 or more per setting. If he
doesn't care for selling them for hatch-
ing purposes, or has more than he can
dispose of in that manner, he can easily
find a private market for uniform fresh
eggs at some hotel or eating house, and
get from 20 to 40 per cent more than
the market price. Put the eggs in car-
tons holding one dozen each. Put them
up fresh and clean and stamp them with
a rubber stamp. A trade can be worked
up with any city grocer that caters to
the high class trade, or it can be done
direct with the concerns mentioned. You
will take more interest in your chick-
ens if they are pure-breds, and will feel
like giving them better care and atten-
tion than scrubs.

Writing under date of February 13,
1912, Prof. G. C. Wheeler of Manhattan,
Kan., says: "I enclose new copy for
our Buff Wyandotte ad. All our cock-
erels are sold, and we are getting ready
for the baby chick and egg trade. KAN-
SAS FARMER special poultry number was
a fine one—the best yet."

Fortunes in Inventions.

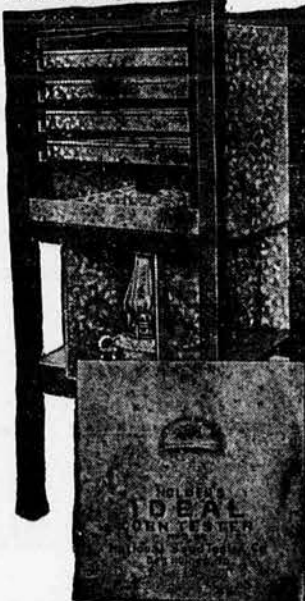
Every day you read about some man be-
coming very rich through some simple in-
vention. Your invention may make you in-
dependent. Get it patented. I can help
you. Send for my free booklet, "Inventors'
Guide." This tells you all about inventions.
Frederick G. Fischer, Pat. Atty., 307 Junc-
tion Bldg., Kansas City, Mo.

Insure Your Corn Crop Now

The best kind of crop insurance is to test your seed
corn and be sure that every kernel will germinate. It's
either guess or test and testing is cheaper and surer.
Throw out weak and dead ears and then you know the
remainder will produce stalks.

Holden's Ideal Corn Tester

Tests by the only method that is uni-
formly successful. Shows up the weak
and dead ears every time and by prevent-
ing your planting these land wasters it
brings you enough extra profit on one
acre to pay for the tester. This tester has
raised corn planting from a gamble to an
absolute science. Stops waste of time
and money cultivating land that pro-
duces nothing.

**\$1,000,000 More Corn Profit**

Will be made this year by a number of progressive
corn growers who are going to increase their corn
crop by planting good strong seed tested in the Hol-
den Ideal Corn Tester. Are you going to join these
progressive corn growers? Are you going to increase
your yield and get part of the \$1,000,000?
If your corn land is yielding less than 50 bushels an
acre you are entitled to more and can get it. Test
your corn with Holden's Ideal Tester.

You Make \$1.00 A Minute

Twenty minutes work will test more than enough
corn to plant an acre and increase your yield 40
bushels which at 50 cents a bushel you can sell for
\$20. Do you know of any other kind of farm work
that will pay you \$1 a minute for your time? Hol-
den's Ideal Corn Tester is a big money maker for
you and should be on your farm before you plant
corn this spring.

It's Just Like Getting Several Acres More Land Free.

You farmers who are raising 40 bushels of corn per acre can
double this crop by planting seed corn tested in Holden's Ideal.
You can raise on one acre the same or more corn than now requires
two acres. In other words the tester gives you the same results as
though you bought twice as much land as you now own. Only the
Tester doesn't cost anything like as much as an acre of land, and you
don't have the extra labor of cultivating the additional land. The same
amount of land, the same cultivation, but TWICE THE PROFITS.

Get Our Corn Book Free.

This is not a catalog. It's a book of valuable Corn Facts written by
an expert. Tells how to prepare seed bed, how deep and how thick
to plant, how to cultivate, how to breed for prize-winning corn. It is
a book of complete information for the farmer who wants to make
more money from his corn lands. Contains 15 plates. This is a copy-
righted book and is worth \$1 of any farmer's money. We'll send it
free together with particulars of Holden's Ideal Tester, the biggest
farm money-maker ever invented. Send a postal or letter today.

National Seed Tester Co.

1127 Walnut St. Des Moines, Ia.

THE PAPEC
PNEUMATIC CUTTER
Cuts and elevates silage with less
power than any other cutter. Easy
to set up and operate; no wood to
twist and warp; elevates over 50 feet
without clogging. Write for booklet,
"How to Prepare Silage," FREE.
PAPEC MACHINE CO., Box 43, Shortsville, N. Y.
Distributing Points:
Des Moines, Ia.; Kansas City, Mo.; St. Louis,
Mo.; Minneapolis, Minn.; Portland, Ore;
and 25 other distributing points

OLD SEED CORN

Most seed of 1911 crop will not grow.
Have four varieties; can furnish ear or shell
corn. Have tested my seed and will guar-
antee it. Write for my circular and price
list. Frank J. Rist, Humboldt, Neb.

White Plymouth Rocks

GOOD TO LAY
GOOD TO EAT
GOOD TO VIEW

Best All-Purpose Fowls in Existence.

White P. Rocks hold
the record for egg
laying over all other
breeds. 289 eggs
each in a year for
eight pullets is the
record, which has
never been approached by any other va-
riety. I have bred W. P. Rocks exclu-
sively for 20 years and have some fine
specimens of the breed. I sell eggs at
"live and let live" prices, \$2 per 15, \$5
per 45, and I prepay expressage to any
express office in the United States.

THOMAS OWEN, Sta. B, Topeka, Kan.

IN THE MATTER OF A CERTAIN
stray mare, taken up by C. E. Thompson,
of Greenfield Township, State of Kansas,
Elk County. To E. L. Barbour, County
Clerk: I, John Stockdale, a Justice of the
Peace of Greenfield Township, said County,
do hereby certify that on the 16th day
of February, 1912, one C. E. Thompson filed
before me his affidavit of the taking up of a
certain stray mare, as required by law, and
that the following is a true copy of the de-
scription and value of such stray towit:
One bay mare 2 years old, star in fore-
head, and the said C. E. Thompson, the
taker up, resides in Greenfield Township,
said County. His postoffice address is Gre-
nola, Elk County, Kan. Witness my hand,
at Grenola, in said County, this 16th day
of February, 1912.—JOHN STOCKDALE,
Justice of the Peace.



Wm. Galloway Will Trust You

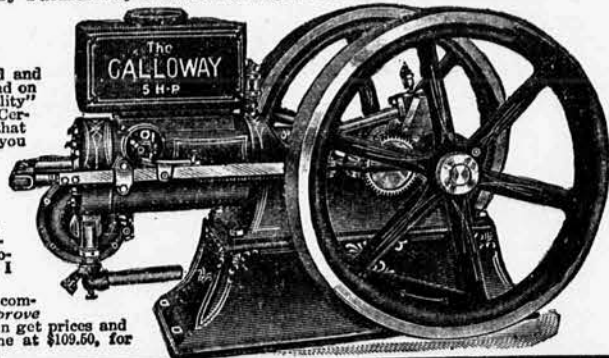
FREE SEED OATS

am going to tell you how to get a supply—FREE—of Wonderful, Big, Imported S-E-E-D-O-A-T-S. My brother J. W. and I own 1,520 acres of new, virgin
land in Canada on which we make a specialty of growing these O-A-T-S, and we want to introduce them on every farm in the United States. In order quickly
to make these splendid, big, hardy, Northern Grown Seed Oats known to every reader of this paper, I will tell any Farmer who mails the Free Coupon or writes
me, how to secure a supply FREE. Will you join our Fighting Campaign for More and Better Oats? Let me show you how to double and triple your Oats
crop for 1912 with our Famous, Imported Canadian Seed Oats that germinate nearly 100% and yielded 75 to 141 bushels to acre in this country last year.

WILLIAM GALLOWAY, President. Wm. Galloway Company.

385-KE Galloway Station,
Waterloo, Iowa.

Why should any Farmer buy a Gasoline Engine from anyone but
me? I know that some are still going elsewhere, but I can not, for the
life of me, see why. Quality and price are the only considerations that
should enter into the purchase of a Farm Engine. Now, as Galloway
Engines are the "top-notch" for Quality, selling at prices below all
others anywhere near as perfect, the question remains—why should
any Farmer buy a Gasoline Engine except from Galloway?

**Mail This FREE COUPON Now!**

WM. GALLOWAY, President.

Wm. Galloway Co., 385-KE, Galloway Station, Waterloo, Iowa

Please send me following FREE. I have checked what to send:

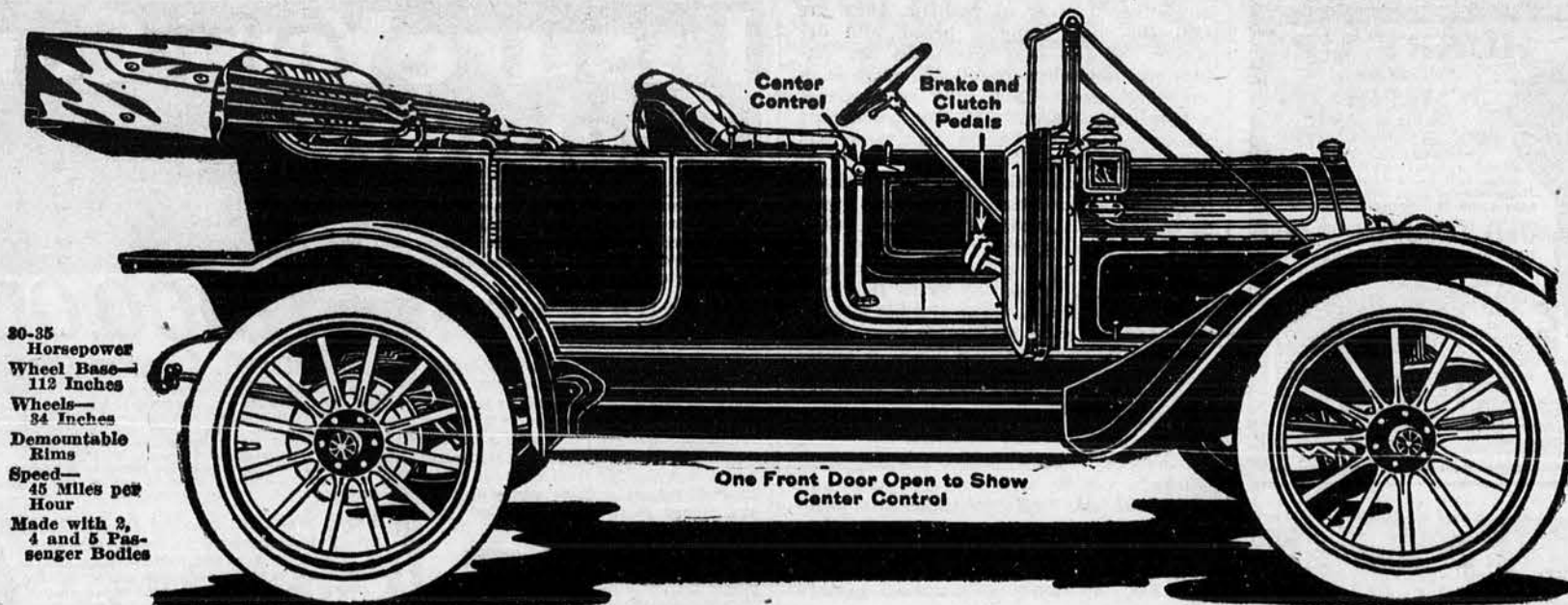
☐ Galloway's Big 50-Page Engine Book in four colors and Special
Offer to Ten Men or More in Every Township.

☐ Galloway's Big Free Canadian New Seed Oats Offer and Won-
derful Oats Book filled with Priceless Information.

Name..... R. F. D.....

Town..... State.....

County..... (You will also get my 100-Page, 5-Color General Line Catalog—Free)



20-35
Horsepower
Wheel Base—
112 Inches
Wheels—
34 Inches
Demountable
Rims
Speed—
45 Miles per
Hour
Made with 2,
4 and 6 Pas-
senger Bodies

Top and windshield not included in price. We equip this car with mohair top, side curtains and slip-cover, windshield, gas tank and speedometer—all for \$100 extra. Self-starter, if wanted, 20.00 extra.

Reo the Fifth—\$1,055

The Car That Marks My Limit

By R. E. Olds, Designer

I have no quarrel with men who ask more for their cars — none with men who ask less. I have only to say that, after 25 years — after creating 24 models and building tens of thousands of cars—here's the best I know. I call it my Farewell Car.

I don't wish to surround this new car of mine with any intangible glamour.

Glamour is always expensive.

I am simply a shop man, engineer and designer. In my earliest memories I was puttering around my father's engine works.

On leaving school I began engine building. And the Olds Gas Engines—famous half the world over—gained their place by actual merit.

For 25 years I have built automobiles. I began with single-cylinder, six-horsepower machines. And I've run the whole gamut to six-cylinder sixties.

Tens of thousands of men, in those 25 years, have used cars of my designing. Just because they relied on me, year after year, to build the best of the current cars.

I recite this to show that I am essentially practical. I shall never attempt to create any illusions. So what I say here about Reo the Fifth will be simple, plain, everyday fact.

No Sensations

Reo the Fifth is no great innovation. The time has gone by for that.

Thousands of good men, for two decades, have worked at perfecting cars. Together they have brought the modern automobile pretty close to perfection.

I believe that this new car embodies the best that all these men have accomplished. I searched the whole world for ideas for it.

It represents, in addition, the best I have learned through 25 years of continuous striving. So it comes, I believe, pretty close to finality.

The worth of a car, in these days, depends on no exclusive devices. It depends on facilities, on experience, on honesty of purpose, on the genius for taking pains.

Here I offer you all those—each in the extreme. And no motor car maker, whatever his price, knows how to offer more.

The Lessons Taught by Tests

My chief advantage lies here:

I was among the first to start learning the needs of automobiles. And I learned faster than others, because I had more cars out.

Experience is our greatest teacher. The inexperienced designer, however well-meaning, is bound to make countless mistakes. One learns only through errors the need for infinite pains.

One cannot anticipate every possible weakness. He must watch how cars, under some conditions, fall down. Then make the fault forever impossible.

In this way we learn to multiply margins of safety. We learn the need for exactness, for careful inspection, for laboratory tests. What once seemed sufficient becomes recklessness later.

Thus I have been learning for 25 years, through the myriads of cars I have built. And the flawless construction of this Reo the Fifth is due to that boundless experience.

Common Weaknesses

I might mention a thousand points which have thus been perfected, but I'll deal with the leading essentials.

The main source of weakness in motor cars is steel. It is due to ignorance, to carelessness or skimping.

By countless tests I have learned the best alloy for each purpose. And, to be sure that I get it, I analyze each lot of steel.

For the axles and drive shaft. I use Nickel Steel. I use Vanadium Steel for connections. For the gears I use the most perfect alloy ever worked out for this purpose.

To test these gears, which others test with a hammer, I have built a crushing machine of 50 tons' capacity. There I submit the gears to a crushing test, to measure exactly what each gear will stand.

The Nickel Steel axles are much larger than necessary. Every year I have built them stronger. Now my margin of safety in this vital part is considered extreme by most makers.

For the bearings on axles and on the transmission I use Timken Roller and Hyatt High Duty. Lesser bearings have led to trouble.

I have found that magnetos differ immensely. So I devised a test where, for ten hours a day, the magneto must act under tremendous compression. I have found only two makes which stand it.

Half the troubles with cars are due to a carburetor incapable of dealing with low-grade gasoline. So I adapted a carburetor to the commonest grades. And I doubly heat it—with hot air and hot water—to facilitate evaporation.

I add about one-fifth to the power of my engine by putting intake valves on top.

The long-stroke motor, the cylinders in pairs, the dust-proof transmission, the system of oiling, all simply accord with the best modern practice.

I carry inspection to the farthest extremes. Every part is inspected—every vital part tested. That is essential. Without it, flaws will creep in which only use can discover.

Good Measure

Another thing I have learned is that buyers enjoy good measure.

My wheel base is long, my wheels extra large, my tonneau is roomy. The car is over-tired. The springs are much stronger than necessary.

The design of the car, as each can see for himself, has the last touch of up-to-dateness.

The upholstery is deep, the filling is hair, the covering is genuine leather. I avoid all the petty economies.

The body finish consists of 17 coats. The lamps are enameled, as per the latest vogue. Even the engine is nickel trimmed.

The most perfect car will fail to satisfy buyers unless its appearance is perfect.

Exclusive Features

In addition to all this, Reo the Fifth has two or three features found in no other car.

One is the center cane-handle control. See the picture. All the gear shifting is done by moving this handle not more than three inches. It moves in four directions—for low speed, intermediate, high speed and reverse.

Another unique feature is the absence of brake levers. Both of the brakes operate by foot pedals. One of the pedals operates the clutch and the service brake as well.

So the front of the car is clear. The driver dismounts on either side as easily as you dismount from the tonneau.

This arrangement permits of the left side drive. The driver sits, as he should sit, close to the cars which he passes. He sits where he can look back in making a turn. He is on the up side of the road. This has only been possible heretofore in electrics.

These are features to which other cars must come. But you find them today only in Reo the Fifth.

Price—The Only Sensation

Fixed Month by Month

The only sensation in this Reo the Fifth is the price at which we shall sell it.

All the rest results from an earnest desire, in this my final achievement, to give the best that a car can give.

If I have done that—and I believe that I have—the price of \$1,055 is both unique and sensational.

Most other features are found in some other cars. But no price like this—nor any price near it—can be found elsewhere in any car of this class.

Now I wish to explain the reason.

Paring Down Cost

For the past several years, my chief effort has been to cut down the cost of my cars.

I have felt that my place in the future depended as much on paring of cost as on skill in designing.

I have been helped in this by an enormous demand for my cars. Our multiplied output has cut overhead cost.

I have also been helped by the goodwill these cars created. Each has helped to sell others. So selling cost is a fraction of what it was.

I have helped myself by inventing special machinery. The parts are now made by automatic machines, invented and built in our shops. Labor cost, on some parts, has been divided by fifty. And we get the utter exactness which hand work never gave.

We now make in this whole shop only one style of chassis. That saves in itself nearly \$200 per car.

We have standardized the car, so that changes aren't necessary. Our tools and machinery last until we wear them out.

The whole car is now built in this one model factory, so we pay no profits to parts makers.

This year, in addition, we have cut a big slice from our profits. This new car, we figure, will more than double our output. And our profit hereafter will be a trifle per car.

Price Not Fixed

We have also adopted a changeable price. The price of today is based on today's price for materials—the lowest they have been in years. But our contracts with dealers provide for instant advance.

The price of \$1,055 is the minimum. It can certainly never go lower. But, if cost advances, the price must be advanced. Price cannot be fixed for six months in advance without leaving big margin, and we haven't done that.

This initial price is the minimum. It is the lowest price, in my estimation, which an equal car ever will cost. But that is today's price only. I very much doubt if Reo the Fifth can long be sold that low.

My Supreme Effort

A hundred makers will argue that their higher-priced cars offer more than does Reo the Fifth.

I don't wish to dispute them. Judge that for yourself. It isn't hard to make actual comparisons.

Whatever the verdict, I can only say that this car marks my limit. I would not know where to add a single iota if paid a doubled price.

Better materials I know are impossible. Better workmanship is out of the question. Better features and devices, if they exist, are still unknown to me.

More power is possible, but not economical. More size, room and weight can be had, of course, if one thinks them worth the price. But more of care or skill or quality is totally out of the question.

This Farewell Car is my finest creation. If others do better, they are better men than I.

Ask for Catalog

This car with roadster body sells for \$1,000. With close-coupled body or touring car body the price now is \$1,055. Our catalog shows the various body designs.

It also gives complete specifications. It enables comparisons, part by part, with any other car.

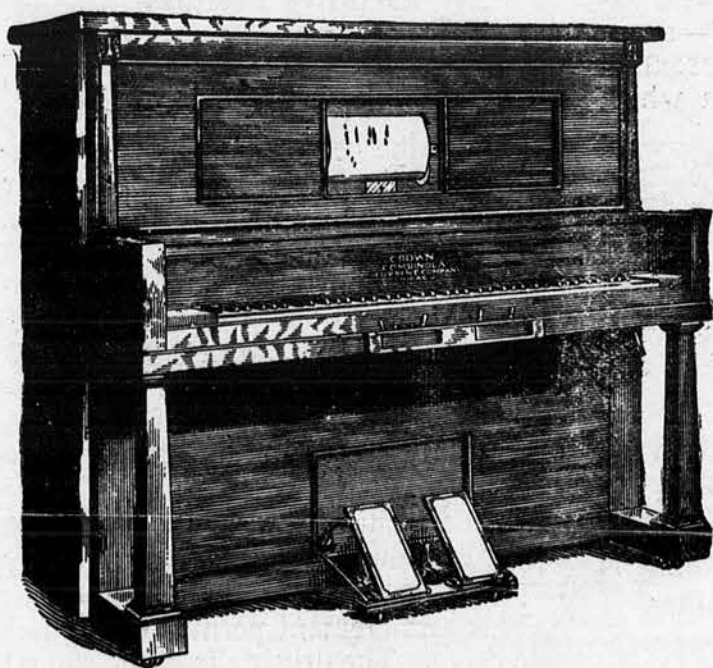
The book is ready for mailing. Ask for it now, as this car at least is worth investigation. When we send the book we'll tell you where to see the car. Address

R. M. Owen & Co.

General Sales
Agents for

Reo Motor Car Co., Lansing, Mich.

Canadian Factory, St. Catharines, Ontario.



Father—Mother—Anyone Can Now Play Without Practice

Wouldn't you like to play, right in your own home, all the old-time melodies—all the church hymns—all the great marches—all the wonderful operas—and do it without learning to play—without any practice at all—just as well as a musician?

With a Crown Combino

You may become as familiar with the music of Beethoven, Wagner, Liszt, Chopin, and the other great masters, as you are with the news of the day, and that, too, without the drudgery of years of hand practice. You may get the same enjoyment in your own home as you would at the Metropolitan Opera in New York. You may have concerts, entertainments and church meetings without sending for someone who has learned to play.

No Lessons or Practice

You don't need to take a lesson in music to play anything you want. You don't have to wait for children to grow up so they can play for you. You don't have to leave your musical longings unsatisfied because someone begs off because of lack of practice. There are no disappointments because your friends who do play have left their music home. You can now have music when you want it—the kind of music you want—the very piece you want—and you or anyone can do the playing. That is what a Crown Combino will do for you.

Always Ready to Play

It is always ready. It is not the silent piano found in so many homes, but one that anyone can play, classic music, grand opera, old-time airs, church songs, latest musical hits, the popular songs that everyone is singing and whistling, the newest waltzes and two-steps. All these you may play, perfectly, if you have a Crown Combino.

Give This to Your Family

The best present you can make your family is a Crown Combino. And you owe it to them. They have all done their share to make your farm profitable. You have bought machinery of all kinds to make your work easier. Now, give the family this one thing that will please them most. Let them have at home the musical advantages of the city. It will please the wife and keep the

children at home. And, don't forget, you will enjoy playing this piano just as much as any of the children.

You Can Afford It Now

Let us tell you of our special plan to introduce one Crown Combino in your neighborhood. Let us tell you what we will do if you already have a piano. Let us tell you more about the Combino, and send you a beautiful piano book, free. Write us, or send this coupon, to-day, while you think of it.

Crown Pianos



This elegant design is one of our most popular styles. Moderate priced. Highest grade. Beautiful style. This piano may be purchased under our special plan. If you want a piano, let us prove to you the worth of the Crown.

Special Coupon

GEO. P. BENT COMPANY,
220 Wabash Ave., Chicago, Ill.

Tell me about your special plan to introduce one Crown Combino in my neighborhood. Also send me your beautiful piano book, free of charge.

Name _____

Address _____

GEO. P. BENT COMPANY

MANUFACTURERS

220 South Wabash Ave., Chicago, Illinois

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Wanted as local representatives of responsible manufacturer. High class merchandise and clean selling methods. \$12.00 per week guaranteed on easy conditions, with possibility of \$30.00 and advance. Experience not necessary.
Manufacturer, Box C. H. 278, Philadelphia.

Bees on the Farm "Gleanings in Bee Culture" will help you get more pleasure and more profit from Bee keeping. Six months trial subscription. 25c. Book on Bees and catalog of supplies sent free. The A. I. Root Company, Box 220, Medina, Ohio.

HOW TO GET BETTER LIGHT

From KEROSENE (Coal Oil)

Recent test by Prof. Rogers, Lewis Institute, Chicago, on leading oil-burning lamps show the Aladdin Mantle Lamp is the most economical and gives over twice as much light as the Ray and other lamps tested. It is odorless, safe, clean, noiseless. Better light than gas or electric. Fully guaranteed. Our burners fit your old lamps. Ask for Catalogue M and learn how to get

ONE LAMP or BURNER FREE

AGENTS: Ball sold over 1000 on money back guarantee; not one returned. Bruner sold \$800 in 15 days. Ask for liberal agency proposition. Sample lamp furnished.
MANTLE LAMP COMPANY, 195 Aladdin Building, Chicago, Ill.

HOME CIRCLE



Clarified beef drippings can be used instead of lard for pies. First beat it to a cream, then before mixing it in the flour add a small teaspoonful each of lemon juice and baking powder to each cupful of dripping.

Cakes are less apt to stick to the pans that are greased with lard or any fat that contains no salt. Some cooks do not grease their pans at all, but allow the cake to remain in the pan for a few minutes after removing from the oven. Stand it on a wire rack where the air will circulate on all sides, and very shortly the cake can be taken from the pan without breaking.

A good way to make one set of buttons do for a number of waists is as follows: Sew them on a narrow strip of cloth the length of your waists. Then make buttonholes on both sides of the opening the same distance apart as the buttons are on the strip. The strip upon which the buttons are sewed can be buttoned from the under side through both sides of the waist. This plan is not only good from an economical standpoint but for laundry purposes as well.

Every Farmer Should Have Music Now.

It would seem that our great modern inventors always have the American farmer uppermost in mind when they set about creating some of their wonderful works.

But the inventor must surely have

had the farmer nearest his heart when he produced the Player Piano—the greatest of all musical instruments of modern times.

He realized that to learn to play the piano proficiently required a great amount of time which the farmer could not spare, and even his children rarely had the facilities to learn.

Now the player piano overcomes all the difficulties that have prevented the farmer from enjoying home music.

Any farmer—his wife—any six-year-old boy or girl can sit down at the Player Piano and render any operatic selection, play any ragtime tune, the latest song, or the good old hymns of long ago just as good as the finest musical artist in the world.

In short, the Player Piano plays whatever you want it, and whenever you want it. Looks exactly like a piano, sounds like a piano—in fact it is a piano—a self-playing piano.

Surely this is a truly marvelous boon to the farmer. No more lonesome nights, no weary Sundays—there stands the Player Piano ready to give everybody the same musical treat that city folks enjoy.

With prosperous times, with the tendency of the modern American farmer to give his wife and children city comforts and check the tide of emigration of the younger folks towards the city, we can only end as we began: "Every farmer should have music now."



9116—Girl's Dress: Cut in sizes 8, 10, 12 and 14 years. Requires 4 1/2 yards of 27-inch material for the 8-year size. 9086—Ladies' Waist With Tucker: 32, 34, 36, 38, 40 and 42 inches bust measure. Requires 1 1/2 yard of 27-inch material for the tucker and 2 1/4 yards for the waist, for the 36-inch size. 9100—Ladies' Seven-Gore Skirt: Cut in sizes 22, 24, 26, 28 and 30 inches waist measure. Requires 3 yards of 44-inch material for the 24-inch size. 9163—Infant's Set: Cut in one size. It requires for the dress of flouncing 1 1/2 yard of 36-inch material, with 1 1/4 yard of plain material for yoke and sleeves. Of nainsook or lawn 36 inches wide it will require 2 1/4 yards. The gown will require 2 1/2 yards of 24 or 27-inch material; the cap, one-half yard of 18-inch material; the sack, seven-eighths yard of 27-inch material. 9117—Ladies' Yoke Waist: Cut in sizes 32, 34, 36, 38, 40 and 42 inches bust measure. Requires 2 1/2 yards of 44-inch material for the 36-inch size. Yoke and collar will require five-eighths yard of 20-inch material. 9160—Ladies' Night Dress: Sizes, small, medium, large. It requires 7 1/2 yards of 27-inch material for the medium size. 9158—Ladies' Princess Slip: Sizes, 32, 34, 36, 38, 40 and 42 inches bust measure. It requires 5 1/2 yards of 36-inch material, with 2 1/4 yards extra for a straight flounce, or 2 1/2 yards extra for a circular flounce for a 36-inch size. 9170—Ladies' Dressing Sack: Sizes, 32, 34, 36, 38, 40 and 42 inches bust measure. It requires 4 1/4 yards of 36-inch material for the 38-inch size. 9120—Girl's Dress: Cut in sizes 6, 8, 10 and 12 years. Requires 3 1/2 yards of 44-inch material for the 8-year size. 9172—Misses' Dress: Sizes, 14, 16, 18 and 20 years. It requires 6 1/2 yards of 40-inch material for 16-year size.

Our Rural Schools.

A great deal is being said and written at present about our rural schools, with the result that better and more artistic country school houses are being built.

In a large measure the credit for this movement is due to the women who have organized school improvement associations and are working toward better architecture, school gardens, larger playgrounds, and better sanitary arrangements. Everything, in fact, which tends to a more wholesome environment of country children.

There is no reason why the country school should not have a good location, with plenty of ground, suitable for football, baseball, and other outdoor sports, or that can be used for picnics and neighborhood gatherings.

An attractive and well arranged assembly room, with kitchen attached, should be a feature of the building. This would serve for a number of purposes, such as a recreation room for the children in stormy weather, a place for them to prepare and eat their lunches, a lecture room that could be cleared for neighborhood clubs, sociables and dances. A stage for the production of simple plays and entertainments would be an added feature.

To such a place university extension work could be brought, giving to the people knowledge and instruction valuable in their everyday life.

The young people, with every opportunity for wholesome pleasures at home, would be less attracted to the towns, and the farmers themselves would not be so tempted to leave the homes where they have spent the greater part of their lives, to the care of tenants for the sake of the social advantages of the nearest town or village.

In a good many of the city schools they have their own bands and orchestras nowadays, which add to their festive occasions, and this should be a feature of the rural schools too. There are so many times when music is needed. By putting it on a business basis a revenue could be derived from playing for dances and social affairs which should keep the organization in music without expense to the individual members.

Onion Puffs—Make a light, flaky pie crust, roll thin and cut it into squares. Take as many white onions as there are to be guests and boil them until they begin to grow tender. Remove them, drain and let cool, then carefully cut out the center, and fill the space with some good sausage, pepper and salt, fold each into a square of the pastry, adding as much tomato dressing as it will hold. Bake in a moderate oven. When done serve individually with the tomato sauce, to which a grating of cheese may be added. Garnish with thin slices of green pepper.

Bermuda Valuable Kansas Grass

Answering KANSAS FARMER inquiry, S. C. Hanna, proprietor Palo Duro Stock Farm, Howard, Kan., says: "I have no established meadows of this grass. I have planted a little experimentally in my yard and on my farm, but have not had it long enough to determine its value for this section. It has been established on the townsite at Elk City and Fredonia for a number of years, and I have been observing it on these places for several years. It has stood the winters here and is spreading rapidly. If it does as well in a larger way as it does on our lawns at Howard and Elk City it would make an immense amount of valuable pasture on our best limestone lands. An acre would pasture double the amount of stock that it would in any other grasses we have tried here. For lawns in this locality it looks like it would finally replace Kentucky bluegrass. It makes such a dense sod that dandelions have no chance with it. Its growing season here is two months shorter than bluegrass; that is, it starts later and quits earlier, but in its season it makes a finer lawn than bluegrass, and a splendid thick mat of dry grass in winter. I am inclined to think that this locality is near the northern limit of successful Bermuda grass and the southern limit of successful bluegrass."

Cheese is worth twice as much as beef-steak at the same cost per pound. Cheese is one-third protein and one-third fat. It is rich in the tissue building elements and can be used alone or to "balance up" many other rations. Brick, Swiss or limburger will digest anything but themselves. Cream cheese does not act upon the digestion so strongly.

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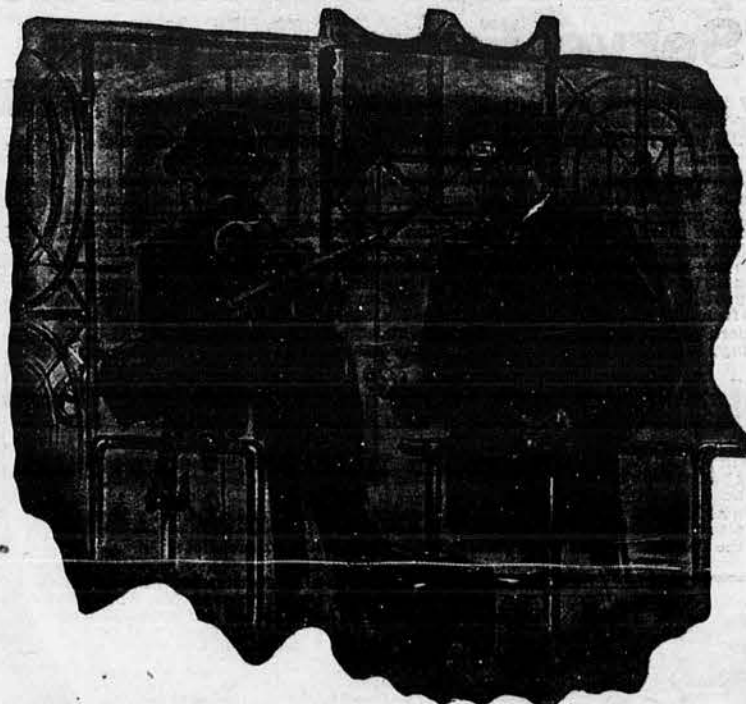
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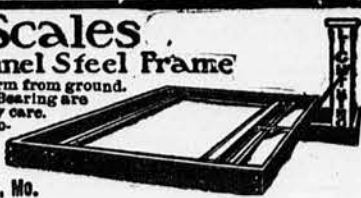
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Buy the One Plow That Will Serve Every Purpose

Why spend your good money for a plow that only answers one purpose, when for about the same price you can get a **real, ALL-PURPOSE** plow? An implement that will do perfect work in any field on your farm.

What a vast saving and convenience it is to be able to plow (at any depth up to 8 inches) Tame Sod, Heavy Clay, Sandy Loam, Mixed Soil, Stubble Fields, Old Corn Fields, etc.—all with the same plow. The Rock Island Universal Plow does all those "stunts," a fact to which thousands of farmers gladly testify.

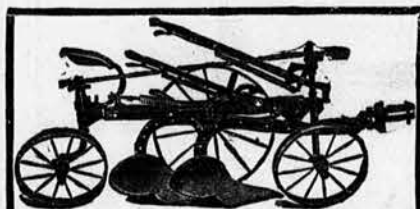
Besides, this remarkable plow turns over each slice flat and smooth. Leaves no lumps—no air spaces between top soil and subsoil that keep the precious moisture from coming up when needed. Even though hot, dry weather sets in, your crop goes right on growing, because the top soil lying flat on the subsoil allows moisture to be taken up from below, just like a lamp wick takes kerosene out of the bowl of a lamp.

Farmers tell us, too, that land plowed with a Rock Island "Universal" needs less harrowing, because this plow will pulverize the soil more as it turns the furrow. The

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has been in actual, general use for three years. Under the most difficult tests ever given a plow, it has proven its right to the title, "The World's Only Universal Plow." Take for instance:

Down at Pickering, Missouri, fifty-five farmers gathered on a neighbor's farm to see the new plow perform. Fifty-five pairs of eyes watched it keenly as their neighbor put it through the "paces." They rendered the following unanimous verdict:



Note the peculiar corkerow, anger-like twist of the mouldboard. A slice of any thickness spreads out evenly over the surface without crimping and turns completely over, burying all trash completely. No spilling over into the furrow or slopping forward onto the land. Lightest draft and easiest on the horses of any plow made. We own the patents on these mouldboards and they cannot be had on any other make of plow.

Large pictures of this gang plow and of our Universal Sulky Plow are shown in our free books, together with complete description and large plowing scenes. (50)

"We, the undersigned, have today witnessed a demonstration with the Rock Island Gang Plow on Mr. Swinford's farm, and express our unqualified approval of its light draft and perfect work in difficult condition of soil; turning a smooth, flat surface and covering all trash. It handles sod as perfect as a breaking plow, and fully deserves the title of a 'Universal' plow. The C. T. X. Bottom is a wonder."

Signed by Fifty-Five Farmers.

The names and addresses of these fifty-five men can be had for the asking.

Write!

Don't tie up your money in several plows. There's no use in it when you can get one plow that does the work of three or four, and at reasonable cost. Send for the complete story of the "Universal" and letters from men who use "Universals" on their farms. We gladly send you this information free. Merely say on a postal, "Tell me more about the new plow." Then put your name and address below and send postal to

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When properly pulverized and evenly distributed over the ground, manure is the best and most economical fertilizer that can be used. The additional crops produced will ordinarily more than pay for the spreader each year it is used. Besides much labor is saved.

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Spreading is generally done when ground is rough; large and heavy loads are usually hauled. Success spreaders are built to withstand severest tests. Firmly mortised, trussed and bolted frame, is made of second growth ash.



Cold rolled steel axles are large in diameter. Steel wheels, made to withstand ammonia in manure, are almost universally used. Wood wheels furnished when specially ordered.

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Seven complete sets of roller bearings on **Get This Book.** Be sure to ask us for a copy of our new book, "Better Farm Implements and How to Use Them," if you do not already have one. Answers every question concerning the most complete line of farm implements. To get our latest Spreader Book, ask for package No. 515.

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the Success reduce the draft at least one horse and add years of life. They insure all shafts running in line and retaining oil. Success Spreaders are the lightest draft spreaders on the market.



Beater Starts Free

Throwing machine in gear slides beater back out of load. When the machine starts, the beater is free. It is revolving when load comes in contact with it. Thus strain is off the beater as well as the pull necessary to start the load greatly reduced.

EASY TO PUT UP Cyclone Lawn Fence LASTS A LIFETIME



You can put up your own Cyclone Fence—no expert workmen or special machinery are required. It will go up smooth, straight and tight, whether you use wood or iron posts and no matter how uneven the ground. And once it is up your fence troubles and expenses are ended for the rest of your life—for Cyclone fence—especially when put up on our iron posts with wrought bases is absolutely permanent and repair-proof.

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can never sag or slacken. It is made of heavier and stiffer materials than used in any other fence and in many hands, artistic, exclusive patterns. Cyclone Fence is backed up by the highest fence and gate factory in the world. Cyclone Steel Farm Gates are to be depended on for satisfactory service. Let us show you how to get the best and save money. Expert advice free. **CYCLONE FENCE CO., Dept. 30 Waukegan, Ill.**

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Made of best duck, heavy leather trimmed. Wears like iron. Stuffed with medicated absorbent cotton. Soft and flexible, fits any shape neck, absorbs sweat, keeps shoulders cool and healthy. The best collar known to use on colts and tender neck horses. Over 1,000,000 sold yearly. Insist on having the cotton-filled Lankford—none genuine without the picture of the goats and goat-cart. If your dealer does not handle, send us his name and ask for free memorandum booklet which also tells all about the collar. Price, \$1.25.

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Horticulture

Holdover Blight.

Professor Sackett of Colorado states that "there is a prevailing tendency among orchardists to underestimate the danger from holdover blight in the pear and apple, and with this mistaken idea has crept in a certain amount of carelessness in the attention which is given to diseased trees."

"The actual amount of active holdover blight to be found in some of our pear growing sections is alarming, when we know the facts. The writer has been looking into this question rather carefully for the past two years, and finds that not only holdover cankers are common, but also that under Colorado conditions at least 20 per cent of these cankers on the small limbs and twigs contain virulent blight organisms at the time of blossoming. This form of the disease is easily recognized in the late fall, or better, in the early spring before the leaves start, by the discolored bark which is usually shrunken and cracked. In the springtime a brownish, milky exudate is frequently seen oozing from these cracks, and a little later in the season bees, ants, and plant lice can be found feeding upon this material. This sticky ooze contains millions of blight germs and acts as a virus, so to speak, for spreading the infection wherever these insects choose to carry it. Now we have quarantine laws to prevent the spread of smallpox virus, with the result that a serious outbreak of this malady is a rare occurrence. If we should be equally diligent in observing the laws of orchard hygiene, it would be only a relatively short time until blight would be a thing of the past."

"Those who have combatted blight most successfully tell us that the time to cut out and destroy diseased limbs is whenever they appear. If this is done carefully and thoroughly, it is clear that there would be no means for carrying the blight from one season to another, but, as has been pointed out, this is not done. And why not?"

"In the first place, it is an easy matter to overlook blight during the routine pruning unless one has it especially in mind; in the second place, many of us are apt to postpone cutting out blighted wood until the last, thinking that it is merely dead wood and no particular harm will result if it is not removed until the season opens. But remember that, although the wood may be dead, 20 per cent of such limbs contain living blight germs which will be carried to the healthy parts of your trees. In place of waiting to remove the blighted portions at the time of the regular pruning, a much safer procedure is to set aside a special day for doing nothing else, for by so doing there is no infection to healthy twigs by the tools, nor the chance of overlooking the disease."

Do Not Sow Dirty Seeds

Do not sow dirty seeds of any kind. A little labor expended in cleaning all seeds sown will save a lot of hard labor keeping down the weeds. A good fanning mill—and the best are advertised in KANSAS FARMER—should be a part of every complete farm equipment. As a sample of what seeds contain and how the land is made foul by sowing dirty seeds, this result of the examination of so-called cleaned clover should make you take notice. A pound of this red clover seed contained:

	Seeds to the Lb.
Russian thistle.....	3904
Dodder (two species).....	1344
Pigeon grass.....	1184
Witch grass.....	832
Lambsquarter.....	576
Barnyard grass.....	64
Sweet clover.....	32
Alfalfa.....	64
White clover.....	trace
Trash.....	none

By sowing this seed at the rate of 8 pounds to the acre you will plant the following weed seeds per square rod:

	Seeds per Sq. Rd.
Russian thistle.....	105
Dodder.....	67
Pigeon grass.....	59
Witch grass.....	42
Lambsquarter.....	29
Barnyard grass.....	3
Sweet clover.....	1.5
Alfalfa.....	3

Total.....399.5

In other words, the man who plants this clover seed will plant with it on an average 13 weed seeds on every square yard of the entire field.

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

My seeds are first quality seeds, true to name and sure to please. I sell tested seed only and give every customer the most possible in quality and quantity for every cent they pay for my goods. I want you to prove by one trial order that it means profit and protection to you to buy all your seeds from me. Write today for a free catalog. A postal will do.

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16 CENT SEED SALE

10,000 KERNELS OF Selected FERTILE SEEDS for 16c

1500 Lettuce 1000 Celery
1000 Onion 1000 Parsley
1000 Radish 1000 Rutabaga
1000 Tomato 1000 Carrot
1500 Turnip 1000 Melon
1200 Brilliant Flower Seeds, 50 sorts

Any one of these packages is worth the price we ask for the whole 10,000 kernels to start with. It is merely our way of letting you test our seed—proving to you how

we will return mail. We'll also mail you absolutely free our great catalog for 1911—all postpaid.
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\$75 IN PRIZES are offered for the largest tomatoes grown this year. Full particulars with each package. Ask for our complete illustrated catalog of novelties and standard sorts vegetable, flower and farm seeds. Dept. 40

Iowa Seed Co.,
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100 PAGE SEED BOOK FREE

Send a postal to-day for our 100 Page Beautifully illustrated catalog of genuine seed bargains, mailed FREE to any address.

ARCHIAS' SURE SEEDS

Plants, Shrubs, Vines, Bulbs, Fruit and Fancy Trees, have been tested for over 25 years; they are Money Growers, and Mortgage Lifters, and the best that money can buy. Write at once—we can save you money.

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for 1912 is now ready, 100 pages, hundreds of illustrations. We handle only pure bred, highly germinating, Kansas grown goods, tested by experts trained in U. S. Government Laboratory. Barteldes Seeds for field, farm or garden have been famous for 45 years. Write for our Cultural Guide and Free Book on Alfalfa. Our FREE LIST gives current prices of Field Seeds in quantities. Issued weekly, FREE.

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The GRANGE

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E. B. Cowgill, Lawrence
 Chairman of Insurance Committee.....
I. D. Hibner, Olathe
 Chairman of Woman's Work Committee.....

Somebody said that it couldn't be done,
 But he with a chuckle replied
 That "maybe it couldn't," but he would be
 one
 Who wouldn't say so till he tried.
 So he buckled right in with a trace of a
 grin
 On his face. If he worried he hid it.
 He started to sing as he tackled the thing
 That couldn't be done, and he did it.

There are thousands to tell you it cannot be
 done,
 There are thousands to prophesy failure,
 There are thousands to point out to you,
 one by one,
 The dangers that wait to assail you.
 But just buckle in with a bit of a grin,
 Then take off your coat and go to it;
 Just start in to sing as you tackle the thing
 That "cannot be done," and you'll do it.

One good strong backbone is worth a
 dozen wishbones.

Opportunity does not use calling cards,
 and it may not come when you are
 awake.

You are bound to fall once in a while,
 but if you fall forward you will get up
 further along.

Berryton Grange, about 10 miles south
 of Topeka, plans the erection of a new
 Grange hall.

Shawnee County, with 11 Granges and
 about 2,000 members, is the banner
 ship.

Massachusetts, which is about as big
 as Butler County, Kansas, has a Grange
 membership of 30,516.

Ever go to the theater? There are
 people who do not approve of theaters
 and play acting. There are others who
 say that they are most valuable as edu-
 cators; that they show, through the
 skill of trained artists, the events of
 everyday life, and teach its moral les-
 sons. So it goes. No two people hold
 exactly the same views on all subjects.
 The theater may depict our daily lives
 in a way, but there is one thing it can-
 not show, and that is a hard day's work.

Send Grange Items.

The editor of the Grange Department
 of KANSAS FARMER wants the help of
 the Granges themselves. Items about
 your winter meetings, your institutes,
 the success of your Grange as a social
 and educational institution, organiza-
 tions of new Granges, anything that
 happens to your Grange
 work which would be helpful to other
 Granges or members is wanted. Address
 all communications to State Secretary
 O. F. Whitney, North Topeka, Kan., or
 send direct to KANSAS FARMER and they
 will be taken care of. Do not forget
 to send in the good papers which are
 read at the Grange meetings and insti-
 tutes. If these papers were interesting
 or helpful to you they will be to others,
 and the 65,000 subscribers of KANSAS
 FARMER would like a chance at them.

Men and Women Wanted.

It seems to me that the Grange is
 looking for men and women
 Who never give up.
 Who can do things.
 Who have character.
 Who are never idle.
 Who cannot be bought.
 Who can show results.
 Who see opportunities.
 Who have original ideas.
 Who never get into a rut.
 Who carry out an agreement.
 Who are not afraid of work.
 Who do something every day.
 Who never recognize defeat.
 Who advocate a square deal.
 Who can act without orders.
 Who see their duty and do it.
 Who can accomplish what they begin.
 Who are not afraid to be leaders.
 Who merit the confidence of others.
 Who can originate as well as follow.
 Who can profit by mistakes of others.
 Who have ability, honor, integrity.
 Who are not frightened by competi-
 tion.
 Who do today the thing they might
 do tomorrow.—Bell Willson, in Grange
 Review.



When you buy good paint you buy protection

Your farm buildings require protection, and anything that
 is worth protecting is worth protecting well. Poor paint
 even when renewed frequently fails to protect, therefore,
 good paint is a good investment.

You know this, but you may ask how you are to know
 that Sherwin-Williams paints are the best paints. Our
 answer is, because they have made good for the last forty
 years and because during that time we have built up the
 largest paint and varnish business in the world—a result
 which could never have been accomplished without right
 quality products.

Again, we use only the best raw materials, most of which
 we secure from our own mines, smelters and oil mills, and

develop ourselves, in order that absolutely good quality
 may be assured. The right proportions of these materials
 are selected from time tried and tested formulas and ground
 thoroughly together by powerful machinery.

Whatever it is about your farm that needs painting, there
 is a Sherwin-Williams product made especially for it that
 will cover more surface at less expense in proportion to
 durability than any other surface covering material.

Our free book tells just what paint to buy

for every surface on the farm and just how to apply it.
 This book is free. It should be in the hands of every farmer.
 Send for it today.

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PLANT CATALPA SPECIOSA

IT PAYS \$30 TO \$50 PER ACRE PER YEAR.
 IT IS A SUPER CROP. Grows forever with one planting, and requires
 but little cultivation to start.

But only the Genuine Catalpa Speciosa will do this. The com-
 mon scrub kind, seen in so many places, is worthless. The two
 pictures here are drawn from real life. The common kind
 takes only an indifferent shade. The genuine makes fence
 posts, telephone poles, bridge piles and lumber in a few years—
 lumber equal to oak and mahogany.

Catalpa fence posts are worth
 \$150 to \$250. It takes only four years
 for fence posts—six years for telephone
 poles. Catalpa posts outlast all others
 in the ground. They don't split or let
 loose of nails or staples.

Catalpa will grow anywhere in the
 corn belt. No trouble to get it started,
 or to cultivate and keep growing. We
 tell you how to do it.

Send for Our Free Bulletin of Information.

This Bulletin tells how we grow our
 FOUR MILLION CATALPA TREES. (We are
 the largest growers of Catalpa Speciosa in
 America.) It also tells how other growers in
 Kansas are making from \$30 to \$50 net per year
 from each acre they have.

Some Kansas growers have 400 acres and
 have had large incomes for ten years. Costs
 you only a postage stamp to get all we have
 learned about Catalpa in the last 15 years.
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 WINFIELD NURSERY CO., BOX 2, WINFIELD, KAN.



SEED CORN 146 BU. ACRE

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

**Special Prices On
 Trees** Get our catalog
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 1,200 acres in
 Nursery Stock, Fruit, Ornamental
 and Fruit Bearing Trees, Shrubs,
 Vines and Roses. Everything in the
 Nursery line. Free from all disease.
 Inspected by State Entomologist.
 Elegant catalog free. See what
 values we give you. Direct
 dealing insures you first cost
 and full satisfaction. Write for
 free book now—today. Address
RATEKIN'S NURSERY CO.,
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OATS NEW
 SEED
 OATS
 Big money in right kind of oats. Here's your chance.
 Imported Canadian seed oats, raised on Galloway Brothers-
 Bowman Co. big seed oats farm in Canada. New,
 clean land. Genuine Regenerated Swedish Select went
 116 bushels to acre; Early New Market 110 bushels to acre.
 Farmers who bought this seed from us last year raised
 as high as 75 to 100 bushels in this country and found out
 that their old seed was inbred and run out. Seed from us
 went double and in many cases three times. Change
 your seed. Try some of this new seed. Sample free, or
 10 cents for large packet. Will also send our free book
 entitled "Big Money in Oats and How to Grow Them."
GALLOWAY BROS.-BOWMAN CO., Oats Specialists
 3827 Galloway Station • WATERLOO, IOWA

GROW GRAPES
 It's easy and the arbors bear
 many years. Fruit sells well
 everywhere, is wholesome and
 delicious. Never enough on
 market to supply the demand.
Strong Concord 10c
 3 Grape Vines Prepaid
 Yield quantities of luscious fruit. Best
 general purpose variety, hardy, healthy and
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 The biggest plant bargain of the season.
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 Honest descriptions and illus-
 trations make it a safe guide to
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Phoenix "Red Tag" Trees
 TRADE MARK
 Sixty Years the National Standard—
 are growing—nay—bearing in every
 State in the Union, also in Canada and
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 Trees, Small Fruits, Roses, Shrubs, Plants—the
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DEAL DIRECT—we pay freight, guarantee safe
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FREE Our handsome Seed Catalogue. Send
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 LEADS.**
 I have found out by years of work and ex-
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 and the best methods of producing and tak-
 ing care of seed corn properly. Five leading
 varieties—Hiawatha Yellow Dent, Reid's
 Yellow Dent, Boone County White, Legal
 Tender and Farmer's Interest. Also full line
 of garden and field seeds, raised and gath-
 ered under my personal supervision. Write
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 peach, 10 cherry, 5 pear, and 5 plum trees
 prepaid to all points in Kansas and adjoin-
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TIMBERLOT—Start now. Norway Poplar
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Mayer Martha Washington Comfort Shoes

Learn to enjoy genuine foot comfort by wearing Mayer Martha Washington Comfort Shoes. Tired, aching, sensitive feet get relief from these wonderful comfort shoes.

SOLID COMFORT—NO BUTTONS OR LACES

They slip off and on at will—elastic at sides yields with every movement of the foot, insuring free and easy action and a perfect fit. Dressy and neat in appearance.

WARNING Be sure you get the genuine. There are many inferior imitations. Reject anything offered that has not the name Martha Washington and the Mayer Trade Mark stamped on the sole. The best merchants handle the genuine. If your dealer does not handle the genuine, write to us.

We also make Mayer Honorbill Shoes for men, women and children, including "Leading Lady" and "Special Merit" brands; also Mayer "Tennis Cushion" Shoes.

FREE OFFER—Send us the name of a dealer who does not handle Mayer Martha Washington Comfort Shoes—we will send free a handsome picture of Martha Washington—size 15x28.

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Special Propositions That Will Make It Easy For Every Farmer To Own A Champion Silo

Ask any farmer or feeder who has a Champion silo. Ask anyone who has investigated and he will tell you that the Champion is the best silo in the world today.

If that's not enough to convince you write me a postal—just say you are interested. I will send you facts—convincing proofs—reliable figures that will show just how and why the Champion is true to name—The Best Silo in the World.

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All silo owners make money. Champion owners make the most because it's the best. Has interlocking steel frame. Redwood non-shrinking, non-swelling doors, one-piece latch, round steel anchors and many other new and important improvements not found on others.

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My New Catalog. Free!

I have a new catalog all ready to send you. It tells all about the guaranteed Champion silos. It gives facts and figures that will interest you. It shows in dollars and cents just what Champion owners are making. It gives valuable feeding facts which you should know.

You can't decide the silo question intelligently until you have my book. It's something entirely different from the ordinary silo catalog. It's really a big book of feeding information. My book tells the peculiar advantage of the Champion silo and explains why it is generally recognized as the standard silo.

Write Today for Special Proposition

Just tell me which proposition you are interested in. Tell me when you will be ready to talk business. I will do the rest by giving you full particulars of our money-saving proposition. It will be the best ever put up to you.

Keller J. Bell, Mgr., Western Silo Co.
135 11th St., Des Moines, Iowa.
Suppliers to Silo Dept.—Farmers Co-operative Produce Co.

Proposition No. 1
Is for those who want just one silo, the best, who are ready to talk business and save money.

Proposition No. 2
Is for those who have a silo and want an ensilage cutter. We have the best cutter and will right now best offer you ever had.

Proposition No. 3
Is for those who want a silo and a cutter and are ready to talk business now.

Proposition No. 4
Is for a club of 2 to 4 farmers in one community who each want a silo and are ready now to save big money.

Proposition No. 5
Is for a club of 5 to 10 farmers in one community who want a silo each and a cutter between them.

MAKE \$25.00

We will sell you this fine High-Grade "OLD HICKORY" buggy at a price that will easily save you \$25.00 in cash. In addition we will write you a Two-Year Guarantee and if you want to do so we will let you take the buggy and give it.

30 Days Free Trial

To prove that you can make the saving above mentioned, or we will let you have any buggy, spring wagon or pony vehicle on the same terms. We want your buggy and harness business. Our prices are wholesale, and saves you all the middlemen's profits. The factory could not sell you cheaper direct. This "Old Hickory" Buggy guaranteed, has leather back and seat cushions, 7-8 inch hickory wheels, full wrought and hickory gear, leather quarter top, double wheel twin auto seat, and hickory shafts, wide or narrow track. Over 50 different styles to select from.

Send for our special Free Vehicle and Harness Catalog. **VEHICLES** from \$11.95 up. **JONES, POST & CO.** KANSAS CITY, MO.



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

FANCY SEED CORN GRADED AND TESTED.
Boone County White, Reid's Yellow Dent and three other varieties. Illustrated catalog free.
J. F. Haynes, Farmer Seed Grower,
Grantville, Kansas.

LOST SPRINGS NURSERY CO.
Low prices on choice, dependable Fruit Trees and Evergreens, and special low prices on Early Richmond and Montmorency Cherry Trees.
LOST SPRINGS, KAN.

Ship Your Hides and Furs
In any quantity, large or small, to the oldest and largest consignment house. Established 1870.

We originated this plan for handling hides and furs in this field—have made it the special feature of our business for years, and have developed the best outlets in this country. We understand the requirements of the shipper, and send **quickest returns at top prices.**

HIDES

Our service from any angle is the best in the business. Satisfactory results assured. Write today for tags and our full classified price list, with much information which will keep you thoroughly posted. We mail it regularly and it's free for the asking. We can satisfy you—try us.

M. LYON & CO.,
238 Delaware St., KANSAS CITY, MO.

Activity in McPherson County.
Last week National Organizer C. B. Hoyt attended seven Granges or public meetings for the organization of Granges in McPherson County, Kansas. He organized Delmore Grange, seven miles northeast of Galva in Delmore township, with 32 charter members.

The new Union Grange in Hayes township changed its name to Alpha Valley Grange. It has 40 members.

At a special meeting of Roxbury Grange 10 members were received, making a total charter list of 52 members. At Contention Grange four applications were received and one was instructed. At Hawkeye Grange four applications were received.

DELMORE GRANGE OFFICERS.
The officers of the newly organized Delmore Grange are as follows: Master, Robert Hill; overseer, T. G. Babcock; lecturer, Mrs. C. E. Williams; steward, Seigle Knudson; chaplain, F. M. Blake; treasurer, C. E. Williams; secretary, Mrs. F. M. Blake; gatekeeper, Ed Springhouse; Ceres, Mrs. Robert Hill; Pomona, Miss Maude Knudson; Flora, Mrs. Grace Kennedy; lady assistant steward, Miss Rose Tipton.

Regular meetings will be held at Good Hope school house on the first and third Wednesdays of each month.

The Berryton Institute.
One of the oldest farmers' institutes in Shawnee County, Kansas, is located at Berryton, and it is one of the best. Each year it holds an annual meeting which seems a little better than that of the preceding year, and each year the members go home feeling that they have profited mentally—and had a big dinner.

And the Berryton dinner is a wonder of culinary art. After eating one of them it is quite easy to understand why so many people envy the farmer, who is popularly supposed to live this way every day.

The session of 1912 occupied two days, and they were filled with meat, as shown by the program, which included "Poultry," by Earl Hotchkiss; "Spraying," by N. L. Tevis; "Sheep Raising," by Joshua Browning; "Tax Difficulties," by William Nelson; "Good Roads," by Lawrence Simms; "Conservation of Human Life," by Mrs. John Miller; "Alfalfa," by I. D. Graham; "Care of the Dairy Cow," by T. A. Borman; "The Rural Social Center," by Mrs. C. J. Evans; "Hog Cholera and the Serum Treatment," by Dr. George Babb, and "Religious Instruction and Its Relation to Education," by Rev. Kyle Murray. Music was furnished by Miss Waller of Topeka, and the evening session of the last day was devoted to readings, recitations and music.

The printed announcement said, "Bring well filled baskets." They did.

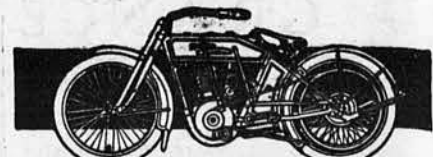
No man can estimate the good that may be done to a community by the annual gathering of its citizens in such an institute as this.

Kansas Hampshires
E. E. Hazen, of Hiawatha, Kan., who breeds Hampshire sheep and also feeds out and ships a bunch of grades each year, has done some good things for the sheep interests.

About a year ago he shipped a bunch of young rams to Colorado, which were the best in the entire consignment. Later, another shipment was made to Kansas City and sold to a live stock commission firm, who stated that they were the best on the market. He now has some which he thinks are still better and has a great faith in Hampshire blood. So many men seem to think that, unless they raise grain crops, a reasonable income cannot be had from the farm. They do not know or do not consider what crop rotation will do. They are inclined to look upon the man who takes up live stock for the good of the soil as being one who has a fad and the financial ability to foster it instead of being a man who is actually making real money out of it and who is improving his farm for the benefit of his children.

Fertilizers on the land is just as necessary to the raising of a happy and contented family of boys and girls who will stay on the farm as it is to the raising of immediate crops. Live stock is necessary to secure fertilizers, and sheep are among the best of these.

Lime is a valuable stimulant for worn or acid soils. Hydrated lime neutralizes acids, sweetens "sour" land and decomposes excessive vegetable matter, converting it into organic compounds, making humus and plant food.



NO TIRESOME PEDALING OF FUDGING alongside needed to start
THE HARLEY-DAVIDSON.
The new Free Wheel Control permits starting like an auto. The Full-Floting seat (another exclusive feature) does away with all bumps and jolts due to rough roads. Send for booklet.
HARLEY-DAVIDSON MOTOR CO.
468 A Street Milwaukee, Wis.

I SELL TREES & SEEDS THAT GROW

I want you to send for my 1912 Catalogue—just issued. Every page—108 of them—filled with special offers in price and quality. Be sure to get my free

Nursery and Seed Book

written with my 26 years experience—for buying Vegetable, Flower, Grass and Farm Seed, Upland grown Alfalfa, Clover and Field Grass Seed, Seed Potatoes, Corn and Grain, Fruit and Forest Trees, Small Fruits and Flowering shrubs. Freight paid on all orders. All Seeds Nebraska Standard. None better.
German Nurseries and Seed House
Box 10, Beatrice, Neb.
CARL SONDEREGGER, President

GOOD SEEDS
BEST IN THE WORLD
Prices Below All Others
I will give a lot of new sorts free with every order I fill. Buy and test. Return if not O. K.—money refunded.
Big Catalog FREE
Over 700 illustrations of vegetables and flowers. Send yours and your neighbors' addresses.
R. H. SHUMWAY, Rockford, Illinois

DON'T PLANT OLD CORN
or weak, wormy, frozen seed.
ARMSTRONG CORN will grow. 95 bus. per acre Ia. Agr. College; 75 bus. Kans.; 70 bus. Missouri; 75 bus. Illinois. 1st Premium S. Dak.; 24 acres, 1900 bus. Wisc.; 110 acres 8749 bus. Iowa. Success in Nebraska.
Don't Risk Poor Seed.
Descriptive Seed Corn Bulletin free.
J. B. ARMSTRONG, Box 90, SHENANDOAH, IOWA.

CATALOG FREE
SAVE 1/2
TREES
You can get better trees at an enormous saving by buying direct of the grower. We pay freight.
Apple—one year tops on three year roots, 80c per 10, \$70 per M. Other fruit in proportion.
No agents. We guarantee satisfaction on every order.
Will send 5 new Strawberry Plants, "Red Monarch," for testing, on request. **Free**
Galbraith Nursery Co. Box 58, Fairbury, Neb.

SPECIAL PRICES ON TREES
We sell direct to you, saving you all agents' commissions and expenses.
Nursery Stock—Fruit, Ornamental, Shade and Forest trees, Small Fruits, Shrubs, Vines, etc. All stock this year especially hardy, thrifty, and vigorous. Fine condition for spring planting. Full satisfaction to all customers. Send for fruit book and prices today.
WICHITA NURSERY,
Box K. F., Wichita, Kan.

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

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

SEED CORN
REID'S YELLOW DENT
BOONE COUNTY WHITE
This is good stuff. We guarantee it to please you. Our supply is limited. Price shelled and graded, per bushel, \$2; in the ear, crated, per bushel, \$2.50.
F. M. RIEBEL & SON, Arbia, Mo.

BARGAINS IN LANDS

HAMILTON, GREELEY, KEARNEY COUNTY LANDS.

Good, dark loam, smooth soil, no rock or sand hills, irrigated or unirrigated, large or small tracts in alfalfa, wheat, beet, broomcorn lands, where cattle, horses, sheep raising is very successful. Who wants a home of their own? Mr. Homeseeker or investor, let us hear from you in regard to what you are looking for, and full particulars, prices and literature will be sent free. Good terms and honest prices. Write or call and see.

HOSTETLER & COMPANY, Syracuse, Kansas.

Jewell County—320 acres, 5 1/2 miles from Esbon; good improvements. Must sell quick. Address J. A. Cole, Esbon, Kan.

WANTED—Farm in northeast Kansas in exchange for well improved 320 in Washington Co. Write Lock Box 71, Morrowville, Kan.

800 ACRES for sale or exchange; well improved, alfalfa; want smaller tract or hdw. and implement stock. For full particulars address R. R. Box 30, Wayne, Kan.

CHOICE DAIRY OR STOCK FARM—320 acres. Small payment. A dozen other bottom and upland farms, \$45 to \$90. All near Topeka. J. F. True, 1620 Boswell, Topeka, Kan.

EASTERN KANSAS BARGAINS—Improved stock, grain farms; \$30 to \$65 per acre. Write; list free. J. E. Calvert, Garnett, Kan.

80 ACRES—\$4,200. IMPD. WELL watered, phone, rural route, 4 mi. from county seat, school close. D. G. Campbell, Burlington, Kan.

WE HAVE a nicely-improved 285-acre farm 3 miles from Garfield, Kan., that we can sell you, worth the money, or trade for a good stock farm in east part of state. Kimmel & Garth, Larned, Kansas.

PAY CASH FOR LAND. Want to buy, 10 level quarters western land. Will pay \$500 cash per quarter. Give full particulars. Write W. A. LAYTON, New England Building, Topeka, Kan.

TRADES WANTED We want to list properties that owners want to exchange. Write your proposition to Owners Exchange, Salina, Kan.

Section Good Land—160 acres in cultivation, 100 more tillable, 480 acres fine pasture that can nearly all be mowed; 4 miles from Westmoreland. Price, \$37.50 per acre. Fessenden & Mills, Westmoreland, Kan.

120 Acres—Three miles from Westmoreland; 60 acres cultivated, 40 more tillable, 30 acres good bottom land, good orchard and buildings. Price, \$60 per acre. Fessenden & Mills, Westmoreland, Kan.

FARMS AND RANCHES for sale or trade. Corn, wheat, alfalfa and pasture land at from \$10 to \$40 per acre. You should buy now. Let us tell you why. Sperry & Olson, Hill City, Kansas.

FOR EXCHANGE. For Trade—80 a. valley land, 2 miles of Wheaton, in Pottawatomie Co.; 60 acres in cultivation; good improvements. Price, \$4,800. Mtg. \$1,800 due in 10 years. Want income or western land. Cave Realty Co., Salina, Kan.

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

NO. 65—280 ACRES, adjoining Coldwater, 200 in wheat, 1/2 goes, second bottom land fine for alfalfa, full set improvements. For quick sale \$45 per acre. Easy terms on half. TAYLOR & BRATCHER, Coldwater, Kan.

FOR SALE—Good terms, 625 acres, near Ellis, Kan., 430 acres in cultivation, 400 of this wheat, balance pasture. Black loam soil. Fenced, cross fenced. Excellent water supply. Two granaries, barn, 8 room house, other good buildings. Good condition. Write J. M. COUNCIL, Nortonville, Kan.

EASTERN KANSAS FARM BARGAIN. 160 acres, 2 miles from Osage City, Kan., 100 acres under cultivation, 1 acre orchard, balance native grass pasture and meadow, farm all smooth, 8 room house (new), good cave, new barn 20x30 feet, with loft, cow barn, hen house, corn crib, hog and cattle sheds, good water, close to school; all good alfalfa land. This is a bargain. Price, \$55 per acre until Feb. 15. J. C. RAPP & CO., Osage City, Kan.

CHOICE WHEAT FARMS.

IN RUSH COUNTY, KAN. 320 acres, unimproved, 3 1/2 miles from market, at \$20 an acre. 157 acres, all in wheat, 1/2 crop with place, at \$30 an acre.

These are genuine bargains for quick action. Write for list.

JAMES H. LITTLE, THE RUSH COUNTY LAND MAN, La Crosse, Kansas.

80 Acres. All Alfalfa!

My beautiful home place, 1 1/2 miles of Co. seat, on auto road; 1 mi. of large school; large new buildings, orchard, grove at house, all irrigated, plenty water. Sell over \$2,000 in alfalfa yearly. Finest climate in state, beautiful to irrigate when sun shines. Woven wire 5-ft. fence all around. Been rated at \$225 per acre. For quick cash sale, \$200 per acre. Will pay all expenses of visit if not as represented. Close to Ordway. Write Owner, Iowa Farm, Ordway, Colo.

FOR SALE

1,700 acres of my 4,400-acre ranch in Kearney County, Kansas, on the Arkansas River and Santa Fe R.R.; 700 acres alfalfa land, 100 acres in alfalfa; all fenced with three and four wires; 5-room frame house, stone basement; barn 25x50 feet, part stone basement; stock sheds with iron roof, all well built and 300 yards south of Sutton Flag Station; wells at house, barn and in pasture. Reason for selling: Too big for my foreman to look after. John Shinkle will show place. Price, \$20 per acre net to me. Can be in payments. H. H. SMALLEY, Springfield, Mo.

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

80 ACRES—Four miles from Muskogee, Okla. (30,000); house, barn, land good. A. H. Harshaw, Junction City, Kan.

1,000—FARMS—1,000

Everywhere for Exchange. Get our fair plan of making trades all over the United States. Graham Bros., Eldorado, Kan.

2,000 A. RANCH—In Central Kansas, 300 a. under cultivation, fine pasture, good buildings, well located, \$18; good terms. Write us. TOMSON & COOVER, Topeka, Kan.

SOME ONE has just what you want. SOME ONE wants just what you have. For quick action and satisfaction address I. A. Harper Co-Operative Realty Co., Holsington, Kan.

Telephone Exchange in northern Kansas; 5 boards, 800 phones; annual receipts, \$10,000. Price, \$34,000. Will consider some trade. Fessenden & Mills, Westmoreland, Kan.

100—FARMS—100

improved and unimproved, at bargains. Desirably located.

THOS. DARCEY, Real Estate and Insurance, Offerle, Kan.

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

FOR SALE—315 acres in Allen Co., Kan., in gas belt, gas well on place, 76 acres river bottom, all fertile and all cultivated except 20 acres. \$6500 cash, balance easy terms. Write owner, Sherman Culbertson, Wichita, Kan.

WANT A LOCATION?

I can sell or exchange your farm for you for another farm, city property or business of any kind. If you wish to change location give me a full description of what you have to offer, what you want and where you want to. Owners only. CARL M. COOK, Limon, Colo.

You Can't Lose Money

If you invest in **EASTERN COLORADO LANDS** at the present prices. If you want a farm, stock ranch or a homestead I can furnish the goods. F. E. EWING, Hugo, Colo.

THE BEST TOWN TO LIVE IN.

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

ESTATE FOR SALE. Buy direct and save commissions. 480 acres of fine valley land; 3 miles from county seat, best town in the gas belt. Gas belongs to land; revenue of \$250 to \$300 per year. Well improved; nice house, large barn; 160 acres now under cultivation, balance fine blue steam meadow and pasture. Want to sell by March 1. Quick cash price, \$45 per acre. Lock Box No. 926, Fredonia, Kan.

NEAR KANSAS CITY—460 acres, only 30 miles south of Kansas City, 200 acres in cultivation, 100 acres of good timber, balance in pasture and mow land, 8-room, 2-story house, with basement under entire house, large barn and other farm buildings, two never-failing springs, well and fine cistern at house. Price, \$65 an acre, if taken before March 1. This is a money maker. For particulars, inquire of owner. Wm. Luckeroth, Seneca, Kan.

ACT QUICKLY FOR THIS.

Farm of 240 a., 7 mi. from city, all fenced and cross-fenced, 90 a. in cult., 50 a. hog-tight, bal. native grass meadow and pasture. Fine 2-story house, good barn, feed lots, cribs, etc.; large bearing orchard; plenty of good water; half mi. to school, good road to town. Easy terms. \$30 per a. Fine bargain. Write quick.

W. A. NELSON, Fall River, Kan.

FARMS AND RANCHES for sale or exchange. Wheat, corn, alfalfa and pasture lands from \$3 to \$150 per acre. Small tracts close to Wichita. The best time to buy Wichita property. \$2,000,000 union depot and elevated tracks this year. Tell us what you want to buy or exchange. PUTNEY & DUNN, Over 318 E. Douglas, Wichita, Kan.

STOCK RANCH FORECLOSURE SNAP. 8,400 acres deeded land, of which 5,000 acres have excellent perpetual, free water right. Will grow 3,000 tons of hay, besides small grain. 6,000 acres leased land and forest reserve rights assigned free. Three sets good improvements; adjacent to forest reserve. Price cut from \$20 to \$15 per acre for quick sale. Terms.

CHEAPEST 640 IN COLORADO. Adjoining town. Excellent free water right with never failing water. Will produce at least 1,000 tons hay. Good soil. Price, \$50,000. Small payment down. Will take one-half hay crop for next five years as payments.

The Armstrong-Williams Realty Co. 825 Seventeenth St., Denver, Colo.

FOR QUICK SALE.

225 acres choice river bottom land, well improved, 3 miles county seat town of 5,000 in Central Kansas; best of reasons for selling, and a snap if sold soon. 160 acres choice upland, 80 a. alfalfa, about \$7,500 new improvements of the best quality; party wants to retire; is a money maker. Have stock ranches to exchange for smaller farms. Also, some good small farms to exchange for larger ones. Also, a few stocks of goods for land. We handle everything strictly at owner's price. Our motto: Square deal to all. J. M. DEVER & CO., Over First National Bank, Clay Center, Kan.

80 A. IN OSAGE CO., KANSAS—5 1/2 miles from R. R. town, 1/4 mile to school, 50 a. under cultivation, 75 a. can be cultivated, and all the best of soil, 10 a. in pasture, 12 a. in hay, 3 a. in alfalfa, 2 a. in orchard, 6 r. house, cistern, and extra good well, barn 16x40, with double corn cribs and granary, chicken house and other outbuildings. Price, \$3,600; good terms. R. H. BURNS (Successor to Strauss Agency), 718 Kansas Avenue, Topeka, Kan.

A GOOD FARM AND STOCK PROPOSITION—6 miles from Kingman, 400 acres, with 160 well improved, 140 cult., good buildings, silo, etc. Price, \$42.50 per acre. Then we will assign lease to 560 acres adjoining, grass land, not for sale. Rent, \$325 per year. Call on THE MOORE LAND CO., Kingman, Kan.

BUY OR TRADE WITH US—Exchange book free. Bersie Agency, El Dorado, Kan.

Come to Comanche County. In the great wheat belt. Write for free list of choice bargains. P. H. Thornton, Coldwater, Kan.

80 ACRES choice irrigated alfalfa land near Lamar, Colo.; easy terms. E. C. Keyes, Owner, Hutchinson, Kan.

20 SOUTHEAST KANSAS FARMS—ALL BARGAINS. EASY TERMS. FOSTER BROS., INDEPENDENCE, KAN.

LAND of the beef steer and his sister, corn, hogs, wheat and alfalfa. List free. C. Brackney, Burlingame, Osage Co., Kan.

UNIMPROVED smooth wheat land, 320 a. in Ford Co., 6 miles from R. R. station. Price, \$4,500. Will carry \$2,400 for three years. W. T. Hale & Son, Dodge City, Kan.

ELECTRIC LINE BARGAIN. Well imp., 272 a., adjoins good town. \$55 per acre, with terms. Foster Bros., Independence, Kan.

40 ACRES, 4 mi. from Kosoma, Okla., clear, all plow land, to exchange for restaurant stock, clear, well located. J. A. Knapark, Belleville, Kan.

The Cheapest and Best Dairy Farms in the state are in Pottawatomie and Marshall counties. Write for prices. Fessenden & Mills, Westmoreland, Kan.

WRITE TO ME TODAY about good, low-priced Ness County farms. The literature I will send you will interest you if you are looking for a home or an investment, otherwise it won't. Your request on a postal card brings it. C. H. Brassfield, Ness City, Kan. "22 years in Ness County."

SHAWNEE COUNTY BARGAIN. 160 a., 7 miles Topeka, 2 miles railroad station, good location; most all in cultivation, with fair improvements and plenty of water. A bargain if sold soon. Kansas Realty Co., 608 Kansas Ave., Topeka, Kan.

WE MUST SELL THESE FARMS. Well improved 80, near town, 50 acres in cultivation, 10 acres of alfalfa, \$45 per acre. 160 acres, improved, all smooth land, \$37.50 per acre; terms on both. Write for list of other splendid bargains. We also make exchanges. Severns & Watts, Williamsburg, Kan.

BUTLER, HARVEY AND SEDGWICK BARGAINS.

Genuine Snap, 160 a., near good town, 1 mi. to school, all tillable, 80 a. in cult., 15 a. meadow; bal. pasture, all fenced, family orchard, nice grove, good 7 r. house, all necessary bldgs. Price only \$40 per a.; easy terms. Write for new list and Kansas map. Eberhard & Mellor, Whitewater, Kan.

BARGAIN for 30 days, 1 sec., 3 1/2 miles Plainville; fenced and cross-fenced; part hog tight. Well improved; good schools. 100 acres alfalfa; 300 wheat. 100 acres for spring crop, bal. pasture. \$55 per acre. Good terms, 6 per cent. S. A. Young, Plainville, Kan.

A RARE BARGAIN. 160 a., 2 mi. of town, Franklin County, Kan., good 5 room house, 3 small barns, other outbuildings, 110 a. in cultivation, 40 a. walnut and oak timber, set in blue grass. There are 30 acres of this tame grass, 10 a. in feed lots, etc., 100 a. in fine bottom alfalfa land, rich soil, has family orchard, well fenced, mail route, phone. One of the best farms in Eastern Kansas. Owner retired and can make easy terms. Price, \$12,000. Address, W. L. Morris, Owner's Cash and Exchange Agency, Garnett, Kan.

GOOD FARM, WELL IMPROVED AND WELL LOCATED.

160 acres of all good alfalfa and corn land, 100 acres in a high state of cultivation, 100 acres fine catalpa trees, good orchard, fine shade, balance pasture, all fenced and cross-fenced, some alfalfa fenced hog-tight, large new barn, granary and corn crib, implement barn, 5-room cottage, two good wells, finest of unlimited water at a depth of 20 feet, windmill, all buildings nearly new, located 2 miles from a good railroad town, with electric lights and waterworks, good high school and 28 miles from Wichita. Price, \$9,500; easy terms to right party who will take good care of place.

EDWIN TAYLOR REALTY CO., 107 S. Main St., Wichita, Kan.

NEW MEXICO LANDS

1280 ACRES BOTTOM LAND, partly in alfalfa and orchard, nearly all under fence, 200 acres under cultivation now, balance finest grazing land in the country. Elegant 6-room stone house, hot and cold water, bath room, stationary wash stand, also with hot and cold water, toilet also in bath room, two large barns, large hen and turkey house, stone milk house, running water, waterworks all over the improved grounds. Fourteen-foot Sampson windmill, pumps 4-inch stream to two tanks, capacity of tanks are 100 and 33 barrels, respectively. Ideal home for a family; healthiest spot in the world for anyone to regain their health; only one-quarter mile to Clayton, N. M. Price, to close it out quickly, \$12.50 an acre. For further particulars address Chas. H. Lawrence, Clayton, N. M.

WRITE W. D. STEMMONS, GOLDEN City, Barton County, Mo., for prices on good farms.

QUICK SALES, EXCHANGES—LARGE property list. Write John L. Maurer, Omaha, Neb.

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

OKANAGAN VALLEY FRUIT LAND FOR sale by owner. C. M. Bottomley, Oroville, Wash.

LOST! AN OPPORTUNITY IF YOU don't write your wants in real estate to S. H. Davis, Leeton, Mo.

GOVERNMENT FARMERS WANTED—Examination April 10; \$60 monthly; many needed. Write, Ozment, 44F, St. Louis.

FOR SALE BY OWNER—800 ACRE stock and alfalfa farm, Sumner Co., Kan.; improvements first class. No commission. For terms, address Box 55, Milan, Kan.

FOR SALE—800 ACRES OF LAND, well improved. For further particulars, write or call on C. W. Grey, Owner. Address, C. W. Grey, Modoc, Scott Co., Kan.

SELL YOUR PROPERTY QUICKLY FOR cash, no matter where located. Particulars free. Real Estate Salesman Co., Dept. 77, Lincoln, Neb.

BEAT IT—IMPROVED LOGAN COUNTY, Kan., alfalfa and stock farm, 160 acres, \$2,500; \$1,000 cash; balance time. Florida Everglade bargains. H. M. Davis, Ft. Lauderdale, Florida.

WE DO LIST AND SELL some of the finest farms in Kansas and other states on easy terms and very low prices. We list only what we consider as genuine bargains. Garver & Co., Box 142, Topeka, Kan.

FOR SALE OR EXCHANGE—160 ACRES, irrigated from government canal; 3 1/2 miles from good town, Scotts Bluff Co.; one 80 deeded, one homesteaded 80; well improved; all fenced hog-tight; 65 acres in alfalfa, 18 acres fall wheat. Address, Lock Box 145, Mitchell, Scotts Bluff Co., Neb.

COME WHERE THE BIG, RED STRAW- berries grow. Net returns per acre to growers last year was from \$450 to \$600. On or about May 1 we will place on the market a tract of fine strawberry land, subdivided into 5 and 10-acre tracts at from \$150 to \$250 per acre with free permanent water rights. Terms. Write us. Whitaker Bros., Steamboat Springs, Colo.

FIELD NOTES.

Northern-grown Seeds. The annual catalog for 1912 of L. L. May & Co., the well-known seedsmen of St. Paul, Minn., is out. It is a creditable book for its purpose and contains a great deal of special information not found in other seed catalogs. The chapters on landscape gardening, illustrated with fine photos, are a noteworthy feature. Altogether, the book is well worth study. Address a postal to the above address and you may have a free copy by return mail. When writing, kindly mention this paper.

W. H. Emens' Poland Sale. On March 7, W. H. Emens, of Elmdale, Kan., will sell 40 head of dried sows and gilts. They are all of the large breeding. Most all the gilts are sired by Mogul Monarch and will be bred to U Wonder by A Wonder. The offering is not large, but what they lack in number they make up in quality. The writer has carefully inspected this bunch of sows and gilts, and can say they are worthy the attention of breeders and farmers who want to improve their herd. The sows have all had litters and bred to two valuable boars—A Wonder and Mogul Monarch. The advertisement appears in this issue. Please send your name for a catalog and arrange to attend this sale.

"Hatching Facts" Free.

Jim Fohan, of Racine, Wis., who makes the Belle City complete hatching outfit of both incubator and brooder at a combination price of \$11.50, gives one, two or three months' home test and prepays the freight east of the Rocky Mountains. His 1912 big portfolio folder giving valuable "Hatching Facts" will be sent free to any reader who writes Jim a postal. Belle City incubators cost \$7.55 and brooders \$4.85, so in the combination price besides saving 90 cents you get all freight prepaid, too. The Belle City is 140-egg capacity and has won in several championship hatching contests. Mrs. M. J. Clifton, of Oklahoma, won first prize in one of the big 1910 contests, hatching 140 chicks from 140 eggs. Mrs. Laura J. Clark, of Illinois, was prize winner in another of two great contests, 2,000 hatches for 1911. Her winning hatch was 140 chicks from 140 eggs. Mr. George W. Black, of Indiana, 1911, in another contest, also hatching two 100 per cent hatches, won his prize in a 1911 contest by equalling Mrs. Clifton's record. Mrs. F. H. Osman, of Ohio, won the solid silver, gold lined cup offered in contest by the maker of "Tycoos" thermometers. The proof of these facts and full details, prices, descriptions, etc., about Belle City machines, illustrated in colors, is all in "Hatching Facts," sent free if you write Jim Fohan, Box 18, Racine, Wis.

WHERE TO BUY PURE-BRED POULTRY

ORPINGTONS.

BUFF ORPINGTONS FOR SALE—Harry Cure, Atchison, Kan.

CRYSTAL WHITE ORPINGTON CKLS.—Excellent stock, \$3 each. Satisfaction guaranteed. C. M. Myerly, Burr Oak, Kan.

S. C. C. W. ORPINGTON COCKERELS, \$2; Indiana Runner drakes, \$1. Mrs. R. Varman, Kincaid, Kan., Route 1.

S. C. WHITE ORPINGTON COCKERELS, farm raised, of good laying strain, \$2 and \$3 each. F. S. Smith, Sedgwick, Kan.

WHITE ORPINGTONS—LARGE, VIGOROUS, farm raised. Eggs and stock. Ernest Shadomy, Eastonville, Colo.

SINGLE COMB BUFF ORPINGTONS. Eggs, \$1.50 per 15; \$6.00 per 100. Free range. Mrs. O. Russell, Canton, Kan., R. 2.

S. C. CRYSTAL WHITE ORPINGTONS—Cockerels, \$2 each; eggs, \$1 and \$2 per 15. Satisfaction guaranteed. L. A. McKinnell, Maize, Kan.

BUFF ORPINGTONS—GRAND WINTER layers and farm raised; winners wherever shown; catalog free. I guarantee to please. Aug. Peterson, B. K., Churdan, Iowa.

SINGLE COMB BUFF ORPINGTONS—Eggs and baby chicks. Prize winning stock at scrub stock prices. Write for free mating list. J. F. Cox, Route 3, Topeka, Kan.

SINGLE COMB BUFF ORPINGTONS. Fine stock. Good layers. Fifteen eggs, \$1.25; \$2.00 for 30. Circulars free. John Tuttle, Princeton, Mo.

S. C. BUFF ORPINGTONS (COOK strain). Eggs from special mated pens, \$2.50 per setting. Satisfaction guaranteed. Chas. Hauck, Box 409, Carthage, Mo.

KELLERSTRASS STRAIN WHITE ORP-ington. Ideal U. L. quality, for laying, weight, beauty. Eggs: Top Notch, \$5 per 15; No. 2, \$3, 15. Try the best. O. P. T. Ewell, Kiowa, Kan.

SINGLE COMB WHITE ORPINGTONS—Kellerstrass strain. The kind that lay, weigh, pay and win. Egg circular free. Harry Burgess, Route 15, Osceola, Iowa.

BUFF AND WHITE ORPINGTONS, Rose Comb Reds. My Buffs won more ribbons at Newton show than all other competitors. Stock, eggs and baby chicks for sale. Roy Sanner, Newton, Kan.

BUFF ORPINGTON AND BARRED Rock eggs, from prize winning birds, \$1, \$2 and \$3 per setting of 15 eggs. All poor hatches replaced at half price. W. G. Salp, Bulleville, Kan., Secretary and Treasurer Republic County Poultry Association.

BUFF ORPINGTONS—COCKERELS AND pullets, from choicely bred layers. Good eyes, heads, combs, color. Scored. Prices reasonable. Mating list free. High-class Colbie bitches, bred or open. Wickham Farm, Box 426, Anthony, Kan.

FANCY BUFF ORPINGTON EGGS AND baby chicks. Cook strain, sired by three cockerels direct from Cook. Cost \$25; beauties. Stock, \$2 to \$20; eggs, \$2 to \$5 per setting. Poor hatches replaced later free. Clara Colwell, Smith Center, Kan.

FARRAR'S BUFF ORPINGTONS ARE winners at Des Moines, St. Joseph, Kansas City and Topeka. Send for special sale sheet. My prices are reasonable. Eggs for hatching, \$1, \$2.50 and \$5 per 15 eggs. I am a member of the National Single Comb Buff Orpington Club and life member of the American Poultry Association. H. F. Farrar, Axtell, Kan.

WHITE IVORY STRAIN WHITE ROCKS still at the head of the prize winners. At the great Kansas State Show, 1912, White Ivory birds walk off with all the glory, winning four firsts—seventeen prizes out of a possible twenty-five. Big show white cockerels, hens and pullets for sale cheap. Chas. C. Fair, originator of Ivory Strain White Rocks, Sharon, Kansas.

CRYSTAL WHITE ORPINGTONS. All high scoring birds. Won 1 and 2 on cockerel, 1 on pen, and 1, 3, 4 and 5 on pullet, Chanute Show, January, 1912. Eggs, \$5 for 15, express prepaid. C. R. Hoyt, Earlton, Kan.

SINGLE COMB BUFF ORPINGTONS EX-clusively. High-class stock only. Eggs, \$5.00 and \$3.00 per setting of fifteen. Write for mating list. Our recent winnings: Central Kansas Show at Newton, 1st and 4th cockerels, 1st and 5th pullets, 2nd open (no old stock shown); 135 buff in the class. Third State Show at Wichita, 1st hen, 3rd pullet, 4th cockerel, 2nd and 5th pens; 100 buff in the class. We will guarantee a square deal every time. Wichita Buff Orpington Yards, 1140-1250 North Emporia Ave., Wichita, Kan.

PLYMOUTH ROCKS.

PURE WHITE PLYMOUTH ROCKS—Fifteen eggs, pen No. 1, \$2.00; No. 2, \$1.25. Baby chicks, 25 cents. H. A. Kuhns, Route 6, Salina, Kan.

BARRED P. ROCKS AND S. C. R. I. Reds. Large, vigorous, heavy laying strains; best of blood; properly mated. Eggs, 13, \$2.00; 26, \$3.50; 39, \$5.00; 100, \$10.00. Cockerels, \$3.50 to \$6.00. Females, \$2.50; each additional, \$2.00. Enterprise Poultry Farm, Box 7, Northtown Road, Jonesdale, Wis.

DINGLEY DELL BARRED P. ROCKS—Our 1912 prize winning yards are now mated, each yard headed by a State Show or National Show winner. The two seasons just passed we showed at Wichita, Topeka, Kansas City, Independence and Ogden, Utah, winning more than 20 first prizes and many minor places. These birds are now in our yards. The yards are large—more than an acre in each one, with plenty of shade. Send for our free, illustrated circular and mating list telling all about our exhibition, bred-to-lay birds. This circular explains "What's a Capon, and Why?" It also quotes low prices on setting eggs, and tells how you can get a valuable chicken book free as a premium. Write a card for the mating list. We will be glad to send it, free, to you. Do it now. George Beuoy, R. R. No. 3, Box K F, Cedar Vale, Kan.

PLYMOUTH ROCKS.

BUFF ROCK BABY CHICKS AND EGGS—Mrs. Fred Miller, Wakefield, Kan.

BUFF ROCK EGGS, 15, \$2.00, EXPRESS prepaid. Ferris & Ferris, Edinburg, Kan.

BUFF ROCK COCKERELS, \$2 TO \$5. Ferris & Ferris, Edinburg, Kan.

CHOICE BARRED PLYMOUTH ROCK cockerels, at \$1.50 to \$3 each. Eggs in season. E. Leighton, Edinburg, Kan.

BARRED ROCKS—EGGS FOR HATCH-ing. Farm raised. Good layers, \$1 per 15. Chas. W. Findly, Cambridge, Kan.

PURE-BRED BARRED AND WHITE Rock cockerels, \$2; eggs, 15 for \$1.25. Henry Hicks, Cambridge, Kan.

BUFF PLYMOUTH ROCKS, EQUAL TO the best but bred for layers. Eggs, \$3 per setting. Stock for sale later. A. Casselman, 650 Hiram Ave., Wichita, Kan.

BARRED ROCK EGGS FROM PENS—\$1 and \$2. From flock, 75c for 15; \$3.50 per 100; baby chicks, 10c. Harry E. Duncan, Humboldt, Kan.

FARM RAISED WHITE ROCKS. UTIL-ity eggs, \$1 per 15. Day old chicks. Pen eggs. Write for prices. R. E. Mesnard, Humboldt, Kan.

BARRED PLYMOUTH ROCKS—HIGH scoring birds, well mated, farm range. Eggs, \$1 per 15; \$5 per 100; baby chicks, 10c each. Mrs. W. C. Bocker, Solomon, Kan.

TWENTIETH CENTURY YARDS—WHITE Rocks are Kansas State Show winners. Prices reasonable. Write your wants. R. C. Lane, Newton, Kan.

LIGHT BRAHMAS, BARRED AND White Plymouth Rocks. Eggs for hatching, \$2 per 15, \$3.50 per 30. M. F. Rickert, Seward, Kan.

BUFF PLYMOUTH ROCK EGGS FOR sale. The kind that will pay you because they pay me. Prices friendly. Write me. William A. Hess, Humboldt, Kan.

BREEDER OF BARRED ROCKS EXCLU-sively. Deep and evenly barred. Let me furnish you a pen either mating and start you right. Eggs in season. M. L. Meek, Ellsworth, Kan.

BARRED ROCKS OR OTHER BREEDS of poultry. Eggs for hatching or baby chicks are quickly sold for a small cost through a little ad in these columns. Write for special low advertising price.

WADDELL'S GOLDEN ROD BUFF Plymouth Rocks—oldest flock in Kansas. Big winners again at State Show. Choice stock and eggs reasonable. A. J. Waddell, 210 New York Ave., Wichita, Kan.

WHITE PLYMOUTH ROCKS EXCLU-sively. Place your orders now for baby chicks the coming season. Some good stock for sale now. Prices right. Quality good. J. A. Kauffman, Abilene, Kan.

LINDAMOOD'S BARRED ROCKS—FOR 8 consecutive exhibitions our birds won the blue on pens and singles. Pens mated for the season. Eggs from pens \$3 and \$5 per 15. Utility eggs \$4 per 100. Send for circular. C. C. Lindamood, Walton, Kan.

ECKHARDT'S WHITE AND PARTRIDGE Rocks, Topeka, 1911, 2, 3 and 4; three entries, Eldorado, 1911, 1st cock, 1, 2, 4 pullet. Stock and eggs for sale. Write for prices. E. A. Eckhardt, Towanda, Kan., life member A. P. A.

LANGSHANS.

BLACK LANGSHAN COCKERELS FOR sale, \$1.50. Chas. Genter, Anthony, Kan.

BLACK LANGSHAN COCKERELS, Scored prize birds, \$5; unscored, \$1 and \$2. Mary McCaul, Elk City, Kan.

FOR SALE—WHITE LANGSHAN COCK-erels, \$1.50 and \$2; eggs, \$1 per setting or \$5 per 100. Henry Neidig, Madison, Neb.

BLACK LANGSHAN COCKS AND COCK-erels, \$1.50 each. Mrs. Geo. W. King, Solomon, Kan.

BLACK LANGSHANS, FROM HIGH scoring stock. Old or young. Mrs. D. A. Swank, Blue Mound, Kan.

BLACK LANGSHANS—WINNERS NE-braska, Kansas, Iowa and Missouri State Shows. Egg circular free. Mrs. Melvin Gregg, Route 9, Stanberry, Mo.

BLACK LANGSHAN AND HOUDAN cockerels; also eggs for hatching for sale. Write for mating list. E. D. Hartzell, Rossville, Kan.

CHOICE BLACK LANGSHAN COCKE-rels from prize-winning stock, and Indian Runner Duck eggs for sale. Martha Haynes, Grantville, Kan.

BROOK DALE FARM BLACK LANG-shans from show birds. Cockerels, pullets, eggs. Good, vigorous birds, priced to sell. D. C. Poole, Oberlin, Kan.

EXTRA BIG BONED, GREENISH, Glossy Black Langshans; black eyes. Scored 91 to 95. Cockerels, pullets, eggs, circulars. Prize winners guaranteed. Osterfoss Poultry Farm, Hedrick, Iowa.

BARRED ROCKS—FIRST COCKEREL, first cock, second hen State Show; first cockerel, second hen, Leavenworth; first, second cock, first hen, Newton, this year. Eggs, \$3 to \$5; utility, \$3.50 per 100. Illustrated circular. D. F. Drinkwater, Cedar Point, Kan.

WYANDOTTES.

HEATON'S BUFF WYANDOTTES—Standard bred. Write for prices. W. E. Heaton, Larned, Kan.

FIVE COLUMBIAN WYANDOTTE COCK-erels, bred from winners, for sale cheap if taken at once. W. S. Holden, Douglass, Kan.

WHITE WYANDOTTE COCKERELS—\$1 to \$5. Mrs. Geo. Downie, Route 2, Lyndon, Kan.

FOR SALE—PURE-BRED WHITE Wyandotte cockerels. Mrs. C. E. Nyman, Courtland, Kan.

SHOOP'S WINNERS—GOLDEN WYAN-dottes, R. C. Rhode Island Reds, Okla. and Kan. shows. Eggs, \$2 for 15. L. G. Shoop & Son, Perry, Okla.

WYANDOTTES—WHITE, GOLDEN, SIL-ver, Buff, Columbian and Partridge; high scoring; prize winners. Write for mating lists. Stratford Brothers, Eldorado, Kan.

WHITE WYANDOTTES—EGGS FROM high scoring stock, \$2 per 15; \$8 per 100. Philip Willhardt, De Soto and Santa Fe Sts., Leavenworth, Kan.

SILVER WYANDOTTES THAT CAN win in any show. Line bred for 25 years. Stock for sale. Eggs from our best yards, \$2 per setting. Incubator eggs, \$5 per 100. M. B. Caldwell, Broughton, Kan.

GOLDEN LACED WYANDOTTES, WON at North Central Kansas Poultry Association, Clay Center, December, 1911, 5 firsts, 3 seconds, 3 thirds. Stock and eggs in season. J. K. Hammond, Wakefield, Kan.

BUFF WYANDOTTES—FIVE CAREFUL-ly selected pens representing three distinct strains. The finest lot of breeding birds we have ever mated. Mating list furnished on application. Baby chicks, 25c each. Eggs, \$2.50 per 15; two settings, \$4.00. Wheeler & Wylie, Manhattan, Kan.

RHODE ISLAND REDS.

R. C. REDS—EGGS FROM HIGH SCOR-ing stock, \$4 per 100. A. N. Peterson, Waterville, Kan.

ROSE COMB REDS—FOURTH COCKER-el, first hen at Leavenworth. Eggs, \$3.00 setting. Dr. W. B. Myers, 715 Michigan Ave., Leavenworth, Kan.

ROSE COMB RHODE ISLAND REDS. Prize winners at Kansas City, Topeka, Leavenworth and elsewhere. Eggs, \$3.00 per 15. Send for mating list. Fred T. Nye, Leavenworth, Kan.

ROSE AND SINGLE COMB RHODE Island Reds. Been breeding them 10 years. Ten matings of good stock to furnish eggs for hatching. Mating list with prices within reach of all free. R. C. cocks and cockerels for sale. H. A. Sibley, Lawrence, Kan.

FOR SALE—ABSOLUTELY THE BEST prize winning Rose Comb Rhode Island Reds, line bred from stock that has been winning first at Chicago for years. Stock, \$3 to \$25 each. Eggs, \$1 to \$5 per setting. Babies, 15c. C. R. Colwell, Smith Center, Kan.

FOSTER'S R. C. R. I. REDS WON MORE than double the points of any competitor at the last Topeka show. For four years previous they have been the champion Kansas winners. Cockerels for sale, \$2 to \$25. Eggs for hatching. Frank H. Foster, Topeka, Kan.

LEGHORNS.

SELECT SINGLE COMB WHITE LEG-horn eggs, \$1.50 per 15; \$10 per 100. A. N. Peters, Crane, Mo.

S. C. WHITE LEGHORN COCKERELS, \$2.00. Eggs in season. Mary Helm, Route 5, Topeka, Kan.

SINGLE COMB WHITE LEGHORN EGGS—Baby chicks. Royal W. Yeoman, Lawrence, Kan.

S. C. WHITE LEGHORNS, COCKERELS from high-scoring stock; eggs and baby chicks in season. J. R. Haywood, Hope, Kan.

RANGE RAISED, LAYING LEGHORNS—Baby chicks. Eggs. Catalog free. Alex Spong, Chanute, Kan.

SINGLE COMB BROWN LEGHORNS AT State Show; 1, 2, 4, 5, hen; 1, 3, 4, pullet; 3, 4, 5, cockerel; 1, 4, pen. Two specials. W. J. Roof, Maize, Kansas.

FOR SALE—PRIZE WINNING SINGLE Comb White Leghorns. Stock, \$3 to \$25 each. Eggs, 6c. Babies, 12c. Clara Colwell, Smith Center, Kan.

GALVA POULTRY YARDS—CLOSING-out sale, good reasons, 70 R. C. W. Leghorns, hens and pullets, and 25 cockerels; 30 White Wyandotte hens and pullets, and 3 cockerels. All good birds. Must go this month. John Ditch, Prop., Galva, Kan.

The 'Big Three' Poultry Farms

MYERS & STOVER, PROPS.,
FREDONIA, KAN.

BOURBON RED TURKEYS—Big, hardy, domestic as chickens. Eight years a breeder. Grand in color. Eggs, \$5.00 per 11.

INDIAN RUNNER DUCKS—New standard light fawn and white, white egg strain. Ours is superb in quality. Eggs, \$1.50 per 13; \$5.00 per 50.

R. C. R. I. RED CHICKENS—Choicest birds of correct color, shape and size. Pens headed by State Show and other show winners. Eggs, \$1 to \$3 per 15; \$4.50 per 100. Send for Free Catalog.

SEVERAL BREEDS.

EGGS—INDIAN RUNNERS, WHITE Wyandottes. Farm raised. Have in each. Choice pens, 15, \$3; utility yards, 15, \$1. Sunny Hill Farm, Atlanta, Ill.

FANCY TOULOUSE GEESE, \$5.00 PAIR, \$3.00 each. Rouen ducks, \$1.50. White and Black Langshan cockerels, \$2. Two fine bronze toms, \$4 and \$5. W. L. Bell, Funk, Neb.

READ THE FOLLOWING AD, AND then write me: T. Geese, W. H. Turkeys, P. Ducks, White Guineas, B. P. Rocks for sale. Eggs in season. Address, L. J. Wentz, Burlington, Kan.

BLUE ANDALUSIANS—CLOSING OUT sale. Birds of quality, rustlers and layers. \$1.00 to \$2.00 each. G. T. Dooley, Turon, Kan.

SINGLE COMB BLACK MINORCAS—High-grade pens; layers, winners; from a strain of national reputation. Eggs, \$3.50 per 15, \$6.00 per 30. Infertile eggs replaced free of charge. Fred Keim, Seneca, Kan.

PRODUCING RIBBON WINNING AT last State Show, Wichita Fair. Single Comb White Leghorns, cockerels, baby chicks, Indian Runner ducks. Eggs, \$1 setting; \$5, 100. Thole R. Wolfe, Conway Springs, Kan.

EGGS FOR HATCHING. White Leghorns and Buff Orpingtons. Farmers' prices. Baby Chicks. Circular free. PAUL TAGGART, White City, Kansas.

EGGS—FAVORITE ROCKS—EGGS—From prize winning Buff, Partridge, Columbian and White Ivory Plymouth Rocks. Large White Ivory cockerels at \$3, \$5, \$10 each. Mating list free. Favorite Poultry Farm, Stafford, Kan.

TURKEYS.

BOURBON RED GOBBLETS, \$5 EACH. Mrs. Geo. W. King, Solomon, Kan.

FOR SALE—PRIZE WINNING MAM-moth White Holland turkeys, sired by a 45-pound tom. Eggs in season. Miss Lillian Schaal, Lexington, Mo.

FINE BRONZE TURKEYS—ONE BOUR-bon Red Tom. White Wyandotte Cocks and Cockerels for sale. Mrs. C. G. Ahlstedt, Roxbury, Kan.

PERKINS' M. B. TURKEYS—HAVE 2 OF the best pens in state, headed by "Champion" and "Ive's Boy," scoring 97 and 94 points. Champion holds championship of Missouri and Kansas, winning six firsts and never defeated. Eggs, first pen, \$10; second pen, \$5 per setting. G. W. Perkins, Newton, Kan.

BUFF COCHINS.

BUFF COCHIN COCKERELS, \$2.50 TO \$5; pullets, \$2. Housel, Smith Center, Kan.

FOR SALE—200 PARTRIDGE COCHIN hens and pullets; no cockerels. Mrs. John Long, Blue Mound, Kan.

ANCONAS.

ANCONA COCKERELS, RUNNER drakes. Mrs. Frank Wallace, Weldon, Ia.

PRIZE WINNING MOTTLED ANCONAS. The famous winter layers. Eggs and baby chicks. Write for circular. W. H. Hardman, Frankfort, Kan.

WANTED

CASH FOR FAT POULTRY, DELIVERED here before next issue this paper: Turkeys, 14c; hens (heavy), 10c; young roosters, 8c; ducks, 11c; geese, 9c; pigeons, doz., 60c; squabs, \$1.25. Coops furnished free. References furnished. Cope's S. System, Topeka, Kan.

BROODERS.

MAKE YOUR OWN CHICKEN BROOD-ers. Send 25c and I will send you my book of plans, telling you how to make brooders at a cost of 90c each, heating apparatus included; heated by lamp. D. L. Roush, 210 E. Laurent St., Topeka, Kan.

DUCKS.

INDIAN RUNNER EGGS, 10c EACH. Harry E. Duncan, Humboldt, Kan.

WHITE CHINA GEESE, PEKIN Drakes, Barred Rocks, Black Minorcas, Partridge Wyandottes. Prices low. Light crates, means low express. We ship anywhere. Glen Oak Farm, R. 15, Alexandria, Minn.

INDIAN RUNNER DUCKS—HEAVY LAY-ers. February and March eggs, 100, \$4; 50, \$2. About 2,000. First orders take them. Brown Leghorns, Bronze toms; bargains. J. A. Harrigan, Gosport, Ind.

BABY CHICKS.

GREAT BARGAIN IN BABY CHICKS—Money makers; finest thoroughbreds; 10,000 for sale from popular varieties; guaranteed alive or replaced, 12c to 50c each. C. Colwell's Hatchery, Smith Center, Kan.

NOTICE—BUSINESS HAS BEEN GOOD with me, and I will not have any more poultry for sale this season. I have also taken orders for all the eggs I will have to spare this season. Next fall I will have plenty of Barred Plymouth Rocks, S. C. Rhode Island Reds and S. C. White Leghorns for sale. Joseph B. Moyers, Topeka, Kan.

Good Returns from Poultry Ads

My small ad in KANSAS FARMER has brought me all the orders I could fill. As long as I am in the poultry business I shall advertise in KANSAS FARMER. (R. C. Rhode Island Reds.)—Mrs. Maggie Gingerich, Michigan Valley, Kan., Feb. 1, 1912.

I wish to express my hearty appreciation of KANSAS FARMER as an advertising medium. (B. P. Rocks.)—Mrs. D. M. Gillespie, Clay Center, Kan., January 20, 1912.

SEND FOR SPECIAL POULTRY ADVERTISING RATES.

Address, KANSAS FARMER, Topeka, Kansas

Please change our ad as per enclosed copy. The turkey ad brought returns beyond our expectations. —Nebraska Poultry Co., Clay Center, Neb., January 15, 1912.

My ad in KANSAS FARMER is bringing me numerous inquiries.—G. S. Wickham, Anthony, Kan., S. C. Buff Orpingtons and M. B. Turkeys. January 30, 1912.

Readers Market Place

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. Your advertisement here reaches over a quarter of a million readers for 25c a line for one week; 50c a line for two weeks; 75c a line for three weeks; 80c a line for four weeks. Additional weeks after four weeks, the rate is 20c a line per week. Count 6 words to make one line. No "ad" taken for less than 50c. All "ads" set in uniform style, no display, initials and numbers count as words. Address counted. Terms always cash with order.

SITUATIONS WANTED ads, up to 25 words, including address, will be inserted on this page free of charge for two weeks, for bona fide seekers of employment on farms.

HELP WANTED.

ONE SCHOOL TEACHER IN NORTH-ern Oklahoma last winter made nearly as much on the side working for us as by teaching. We have a special proposition for teachers in the small towns and rural districts. Address Box 368, Topeka, Kan.

FREE ILLUSTRATED BOOK TELLS about over 360,000 protected positions in U. S. service. More than 40,000 vacancies every year. There is a big chance here for you, sure and generous pay, lifetime employment. Easy to get. Just ask for booklet A898. No obligation. Earl Hopkins, Washington, D. C.

LOCAL REPRESENTATIVE WANTED—Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. Address E. R. Marden, Pres. The National Co-Operative Real Estate Company, 1473 Marden Building, Washington, D. C.

MALE HELP WANTED.

WANTED—1,000 RAILWAY MAIL STU-dents immediately. Examination May 4. \$1,600 yearly. Write today for free trial lesson. Ozment, 44R, St. Louis.

WANTED—MEN IN EVERY TOWN IN Mo., Kan., Ill., Neb., Okla., Ark. to take orders for nursery stock. Outfit free. Cash weekly. National Nurseries, Lawrence, Kan.

500 MEN 20 TO 40 YEARS OLD WANTED at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike. Write immediately for application blank. Address Box A. O., care of Kansas Farmer, Topeka, Kan.

MEN WANTED FOR GOVERNMENT POS-itions. Influence unnecessary. Average salary \$1,100. Annual vacations. Short hours. Steady work. Rapid promotion. Thousands of appointments coming. Send postal immediately for list of positions open. Common education sufficient. Franklin Institute, Dept. T88, Rochester, N. Y.

CATTLE.

FOR SALE—RED POLLED BULLS, 10 and 15 months old; Duroc Jersey sows and fall pigs. I. W. Poulton, Medora, Kan.

VALLEY VIEW SHROPSHIRE, BRED ewes, ram and ewe lambs, in lots to suit. All registered and high quality. E. F. Gifford, R. F. D. 2, Beloit, Kan.

REGISTERED ABERDEEN ANGUS bulls, 2 and 3 years, for sale or exchange for bull and heifer. W. C. Murry, Kewaskum, Wis.

FOR SALE—NINE HEAD CHOICE Shorthorn bulls, 3 pure Scotch, 6 Scotch topped, 12 to 18 months old. Harry T. Forbes, Route 8, Topeka, Kan.

FOR SALE—THIRTY HEAD OF CHOICE fawn colored Jersey cows, 3 to 7 years old, fresh and fresh soon. O. N. Himelburger, 307 Polk St., Topeka, Kan.

JERSEY CATTLE, COLLIES, POLAND Chinas and White Wyandottes; cockerels and eggs for sale; Scotch Collie puppies for sale, females. U. A. Gore, Seward, Kan.

HOLSTEINS FOR SALE—THREE BEAU-tiful fullblood heifers, 6 to 12 mo. old; four registered bulls, about 6 mo. of age; high-grade bulls, from a few weeks to 7 mo. Also a fine bunch of high-grade heifers, from 1 to 3 years of age, a number fresh now and others coming fresh right along. Ira Romig, Station B, Topeka, Kan.

ARRANGE TO ATTEND LOOKABAUGH'S Shorthorn sale of high-class Scotch and Scotch-topped Shorthorns. Heifers and bulls from imported cows. Also, Avondale and Searchlight get. Twenty good bulls, 20 bred females, 10 young heifers. H. C. Lookabaugh, Watonga, Okla. J. T. Ehlster's Shorthorn sale next day. Watonga, Okla.

HOGS.

DUROC SOWS AND PIGS. BRONZE turkeys finely marked. Barred Rocks and Brown and White Leghorns. J. M. Young, Fall River, Kan.

CHOICE BERKSHIRES FOR SALE—ONE boar, two sows, all good breeders, and two gilts, very strong in Black Robin Hood blood. Cheap if sold at once. A. D. Willems, Minneola, Kan.

HORSES AND MULES.

SHEPHERD PONIES—WRITE FOR price list. Chas. Clemmons, Coffeyville, Kan.

FOR SALE—REGISTERED JERSEY bull calf. Price, \$35. Harry Schmidt, Route 2, Tescott, Kan.

TWO IMPORTED STALLIONS—SHIRE and Percheron, 6 and 7, one home-bred shire, 8. All sound, high quality. James Auld, Wakefield, Clay County, Kan.

YOUR CHOICE OF THREE GOOD draft stallions and registered Cleveland Bay, the pair \$750.00. Both money makers. I have rheumatism and must sell. Lewis Cox, Concordia, Kan.

BEELANDER 38825, PACING STALLION, Standard bred, 8 years old; fine condition. Wt. 1200. Certified sound by State authorities. Also, Mammoth Black Jack; white points; 5-year-old. Wt. 850. Moving away. Will sell cheap for quick deal. Write C. W. Leighton, Rt. 15, Tecumseh, Kan.

SEEDS AND PLANTS.

YOU NEED A BERMUDA PASTURE. Free booklet. Write F. A. Mitchell & Son, Route 6, Chandler, Okla.

SEED CORN—HILDRETH'S YELLOW Dent. Write originator, breeder. C. E. H. Hildreth, Altamont, Kan.

CLOVER SEED FREE FROM BUCK-horn, and a good line of field seeds. D. O. Coe, Topeka, Kan.

250 STRAWBERRY PLANTS, \$1. BEST three varieties. Fruit trees at wholesale. Free list. John F. Dayton, Waukon, Iowa.

FOR SALE—SEVERAL THOUSAND hedge posts, extra fine. Alex Spong, Chanute, Kan.

FLOWERING PLANTS AND BULBS—100 gladiolus bulbs, \$1, postpaid. Send for price list. Orongo Flower Gardens, Carthage, Mo.

ALFALFA SEED—CHOICE, NON-IRRI-gated seed, raised in the famous Artesian Valley, \$8.50 per bushel, if ordered at once. J. R. Reynolds & Co., Meade, Kan.

GIANT-BLACK-HULLED-WHITE KAFIR corn. Selected 15 years for early ripening. Guaranteed pure. Chas. Mitchell, Route 1, Lafontaine, Kan.

STRAWBERRY PLANTS, \$2 PER M.; blackberry plants, \$6 per M.; asparagus plants, \$3 per M.; general line; price list free. Write today. The Krider Nurseries, Middlebury, Ind.

1,000 BUSHELS PURE KANSAS SUN-flower seed corn. This corn is pronounced O. K. by corn experts and is as good as the best. Price, \$1.75 per bu. Write for circulars. A. L. Brooker, Grantville, Kan.

FOR SALE—RED TEXAS SEED OATS—First prize at Brown County and Hutchinson State fairs, 1911. Seed speltz and Boone County White corn. Plymouth Rock cockerels. I refund your money if dissatisfied. E. E. Hazen, Hiawatha, Kan.

PLANTS, BULBS, ROSES AND EVER-greens. High grade stock at popular prices of the best plants and bulbs adapted to this climate. Direct from the grower. Send for free price list. Bonner Springs Nurseries, Bonner Springs, Kan.

WANTED—ORANGE AND AMBER CANE seed, Red Texas oats, Red and White Kafir corn, common, Siberian and German millet, Milo maize, Jerusalem corn and first-class Alfalfa seed. If any to offer, mail samples and state quantities. The Barteldes Seed Co., Lawrence, Kan.

DOGS.

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

TWO FOX TERRIER FEMALES FOR sale, one pup and one 2-year-old; rather stocky; cheap. A. D. Willems, Minneola, Kan.

SCOTCH COLLIES FOR SALE—BRED and open bitches by Ch. Parbold, Piccolo, Ch. Squire of Tyton, Ch. Ormskirk Artit, Ch. Wishaw Clinker, Imp. Bellfield Wonder and other leading sires. Stud dogs by Ch. Brandane Alton Monty, Imp. Ormskirk Sample. This is the very best blood in the Collie kingdom. Also puppies, prices very low. Write for bargains. W. J. Honeyman, Route 1, Madison, Kan.

MISCELLANEOUS.

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

SOMETHING NEW—CLEAN YOUR OWN wall paper. For \$1 I will send you a recipe that will remove all dirt. Lock Box 36, Delphos, Kan.

STRADIVARIUS VIOLIN FOR SALE—Excellent sweet tone. Miss Bertha G. Mardis, Route 5, Rosedale, Kan.

CHICK-O FOR BABY CHICKS—A BAL-anced ration of seeds and grains. Moderate prices. D. O. Coe, Feed and Seed Man, Topeka, Kan.

ELECTRICITY, PLUMBING, BRICK-laying, painting and decorating taught by practical instruction. Positions secured for graduates. Write for illustrated catalog. Coyne Trades School, Chicago.

PURE BRED POULTRY

RHODE ISLAND REDS.

ROSE COMB REDS—YARD A, HEADED by Red Boy, son of Kansas City Boy, valued at \$500. Eggs, \$5 per 15. After April 1, \$3. Write for matings. Amy Bartlett, Lone-jack, Mo.

ROSE AND SINGLE COMB RHODE Island Red eggs for hatching. First pen, 75c for 15; second pen, 50c. F. B. Severance, Lost Springs, Kan.

PRIZE WINNING REDS, BOTH COMBS. Fine cockerels, cheap for quick sale. Eggs for hatching. Robert Steele, Route 7, Topeka, Kan.

ROSE COMB RED COCKERELS, \$1 to \$3. Eggs, \$1.50 to \$3. Pekin ducks, \$1 and \$1.50. W. D. Franklin, Horton, Kan.

ROSE COMB REDS—COLUMBIAN Wyandottes. Winners and heavy layers. Won again 45 prizes at two shows this winter. Also, Golden Seabright Bantams and Indian Runner Ducks. Eggs, \$1 to \$5 per 15. Mating list free. A. D. Willems, Minneola, Kan.

AMERICAN FENCE

ORIGINAL & GENUINE

STEEL POSTS & GATES

THE pasture is the mother of the farm. The permanent pasture should be divided into fields by the use of woven wire fences.

Fields should be of such size that each one will be pastured off in from 8 to 10 days. The number of fields will depend on the growth of the grass. By dividing the pasture the grass is evenly cleaned up and an intense use is made of the whole pasture. To save time the pasture should be provided with gates, handy, easy to open and not too small. Pasture is the mother of the farm, and live stock must have freedom.

American Fence is made of large, stiff wires, galvanized heavily, having the American hinged joint (patented), a fabric most flexible and wear-resisting. A square mesh fence of weight, strength and durability—three great needs in farm fences.

We appeal to the scales as the judge between American and other fences. Its decision shows weight of metal; and as fence is sold by the rod, the buyer gets more for his money.

Dealers in Every Place

where farm supplies are sold. Shipped to them direct from mills in car-load lots, thus saving freight charges and enabling dealers to sell at lowest prices, giving buyer the benefit.

F. Baackes, Vice Pres. & Gen. Sales Agt., AMERICAN STEEL & WIRE COMPANY, Chicago, 72 W. Adams St.; New York, 30 Church St.; Denver, U. S. Steel Products Co., San Francisco, Los Angeles, Portland, Seattle.

American Steel Fence Post Cheaper than Wood and More Durable. Get Catalog.

Send for copy of "American Fence News," also book "How to Make the Farm Pay," profusely illustrated, devoted to the interests of farmers and showing how fence may be employed to enhance the earning power of a farm. Furnished free on application.

EGGS.

FOR SALE—EGGS AND BABY CHICKS from the Kellerstrass Crystal White Orpington \$30 matings. C. B. Owen, Lawrence, Kan.

EGGS FROM GOOD UTILITY FLOCK, \$ per 15. Few good cockerels left; cheap. L. C. Horst, Newton, Kan.

100 KINDS OF EGGS, POULTRY, PIG eons, pheasants, Alredoles. Special of Scotch Collies, Jerseys, registered. Pauly Pheasantry, Kahoka, Mo.

BABY CHICKS.

BABY CHICKS—HEN OR INCUBATOR hatched. Rocks, Reds, Orpingtons, Wyandottes, Leghorns. Eggs. Get our circular. Kansas Poultry Co., Norton, Kan.

WYANDOTTES.

WHITE WYANDOTTES—HIGH SCOR ing. Two fine pens and range flock. Eggs \$5 per 100 to \$2 per 15. C. E. Gear, Clay Center, Kan.

FOR SALE—20 SILVER WYANDOTTI pullets, in lots of 2 or more, \$2 each. M. birds won first display Chicago, 1910. Eggs \$5 per 15. Jacob Miller, Wathena, Kan.

DUCKS.

INDIAN RUNNER DUCKS—FIRST PE headed by drakes scoring 95%. Eggs \$2 for 11. Second pen headed by drakes pronounced good show color. Eggs, \$1.25 for 11. Kellerstrass strain White Orpingtons and Blinnette strain White Wyandottes. Eggs \$1.30 for 12. Myrtle Casteel, Anthony, Kan.

Last Call for Nevins & Wedd Sale.

On February 26, 1912, C. S. Nevins & Chiles, Kan., and Ralph Wedd of Spring Hill, Kan., will sell 40 head of valuable Poland China bred sows and gilts. These gentlemen need no further introduction to the breeders of Kansas, as they are well known all over the state as breeders of large-type Poland China hogs. They grow and breed a practical farmer's hog—one that always makes good. They do not load their sows with corn fat, but feed a ration of alfalfa and a little slop that keeps them in good growing condition. In this way they have built up two of the good herds of the country. The sale will be held right on Mr. Nevins' farm, near Chiles, Kan. Good train service from Paola, Kan., and Kansas City, Mo. Please arrange to come and spend a day on this farm. It will pay you to buy from this firm, as all the hogs are sold on a positive guarantee. If for any reason you cannot attend, bids may be sent to C. W. Devine, representing Kansas Farmer, but all farmers and breeders are cordially invited to come.

BABY CHICKS—S. C. R. I. Reds. EGGS for hatching. Get our prices. C. W. Murphy, 24 S. Mass., Lawrence, Kan.

ORPINGTONS.

KELLERSTRASS CRYSTAL WHITE ORPINGTONS—Prize winners; birds scoring 92 to 94%. Eggs, \$2.50 per 15; day-old chicks, 50c. Satisfaction guaranteed. A. H. Vanderhoff, Neodesha, Kansas.

BARRED ROCKS AND WHITE ORPING-tons—Rock Pullets, \$1 to \$2. Eggs, either variety, \$5 per 15. Maple Leaf Poultry Yards, Oswego, Kan.

FOR SALE—WHITE ORPINGTON COCK-erels, Kellerstrass and Cook strain. McKee Poultry Farm, 808 N. Main St., Hutchinson, Kan.

EGGS FOR HATCHING—SINGLE COMB Buff Orpingtons, Toulouse geese, Indian Runner ducks. Mating list free. Peter A. Brehm, Harvard, Neb.

S. C. BUFF ORPINGTON EGGS—COOK strain. We have quality, good color, good shape, good layers. Order early, \$3 per 15 eggs. L. E. Hall, Bushton, Kan.

PLYMOUTH ROCKS.

ROCKS—WHITE IVORY STRAIN PUL-lets. Eggs by the setting from large, pure white birds. Graca Dolson, Neal, Kan.

BARRED ROCKS—BRED FOR BEAUTY and profit. Winners Topeka, Clay Center, Manhattan. Choice males, \$3 to \$5; 40 females, \$1.25 to \$1.50 each. Mrs. D. M. Gillespie, Clay Center, Kan.

LEGHORNS.

PURE-BRED, PRIZE WINNING, ROSE Comb White Leghorn eggs, \$1 per 15; \$5 per 100. Circulars. Jennie Martin, Frankfort, Kan.

PURE-BRED BUFF LEGHORN EGGS, \$1.50 for 15; \$7 per 100. Mrs. F. D. Hensley, Atwood, Kan.

TWO DOZEN SINGLE COMB BROWN Leghorns. Pullets and hens. Prize stock. A. G. Dorr, Osage City, Kan.

BUFF COCHINS.

PARTRIDGE COCHINS, S. C. Reds, Columbian Wyandottes. Choice breeding, raised on free range, husky, hearty, happy, healthy. W. J. Casey, Knoxville, Iowa.

HORSES AND MULES

Mammoth Jacks and Percheron Stallions and Mares

100 head of Jacks, Percheron and Standard Bred Stallions and Mares for sale. Jacks from colts to 6 years old; Stallions and Mares from colts to 6 years old. Write for prices and description, and visit our farms before you buy. Farm and sales barn on 21st street, 1/2 miles east of Union Stock Yards.

J. C. Kerr & Company
Wichita, Kan.



JACKS AND JENNETS

20 large Jacks from 2 to 7 years old.
25 head extra good Jennets priced right. Come and see me.
PHIL WALKER,
Moline, Elk Co., Kansas



30 Head of Percherons, Belgians, Road Horses and Jacks.

Winners of first and second prizes at Kansas State Fair, 1911. Sale barn right in town. My prices are right. Write or come and see me.
C. F. COOPER,
Partridge, Kan.



Al. E. Smith Stock Farm

Black mammoth Jacks and Jennets, Percheron Horses.
You will find what you want in large boned, registered, 15 to 16 hands standard. Special prices on fall sales. Both phones.
AL. E. SMITH,
Lawrence, Kan.

FOR SALE

The pure in-bred Morgan stallion Joseph Huse No. 5594 A. M. R. Also state certificate under the state stallion laws of Iowa, and will be sold under a state guarantee. Also others as good, single or double.
J. ED. BAILEY, Iowa Falls, Iowa.

FOR SALE

Registered Clydesdale horses and mares, some of them closely related to the famous "Baron of Buchlyvie" that sold in Scotland recently for \$47,500. For further information apply to
JOHN SPARROWHAWK, Wakefield, Kan.

BIG HIGH CLASS JACKS.

W. T. Trotter, Mt. Airy, Iowa—Breeder of big, high class Jacks. If you want a big, well-broke, high-class Jack, write me. I have 10 head of extra good ones for sale. All sired by my famous herd Jack, Keno. All are black with white points. They are an extra fine lot.
W. T. TROTTER,
Mt. Airy, Iowa.

PERCHERON HORSES.

M. L. Ayres, Shenandoah, Iowa, importer and breeder of high-class Percheron horses. Our offering at this time includes 20 head of outstanding good young stallions—a string of youngsters that will interest breeders who want the best. Come and inspect our offering if you want a high-class stallion. We have them.
M. L. AYRES,
Shenandoah, Iowa.

JACKS and JENNETS

Six large Jacks, from 2 to 5 years old, 3 extra good Jack colts, 14 head of extra good Jennets, 1 Clyde stallion, 1 German Coach stallion, 1 registered saddle stallion. For quick sale, this stock will be priced worth the money. Will sell the lot or singly. Will consider a trade. Write us.
YATES BROS.,
Faucett, Mo.

ROYAL BELGIANS

125—Head—125

Write for catalog.

H. Lefebure, Fairfax, Iowa.

REGISTERED JACKS—Also choice 8 months registered Percheron stallion.
BRUCE SAUNDERS, Holton, Kansas.

IMPORTED DRAFT STALLIONS, \$1,000 each; home-bred, \$300 to \$600. HART BROS., Osceola, Iowa.

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.
Up-to-date Poland China hogs. Write your wants.
H. N. HOLDEMAN, Meade, Kans.

Best Imported Horses One thousand each. Home-bred registered draft stallions—\$250 to \$650 at my stable doors. A. LATIMER WILSON, Creston, Ia.

Home-bred Draft Stallions \$250 to \$600. Also your choice, \$1,000. F. L. Stream, Creston, Iowa.

IMPORTED STALLION FOR SALE. I have a 3-year-old imported Percheron for sale. If taken before March 1 will make price lower than could be bought for of importer. Guaranteed.
E. R. MORGAN, Blue Rapids, Kan.

JACK AND PERCHERON BARGAINS

Five extra good Jacks and a lot of bred Jennets for sale at bargain prices. Also some good draft and standard-bred stallions will be sold at private treaty. Have postponed my sale date and make special prices on everything.

W. J. McBRAYER, Hamilton, Mo.

PERCHERONS, SHIRES, BELGIANS. Prospective buyers should see our 60 head of big, heavy-boned, draft stallions and mares. Two importations this fall. We have a fine lot of American-bred Percherons that will suit both in quality and price. All stock registered and guaranteed fully. Come to the barns or write.
SKOOG, REED & DECOV,
Holdrege, Neb.

RIVERSIDE Stock Farm

Percherons and Jacks for sale. We have a fine lot of registered Percheron colts coming two and three years old. A few large black Jacks and three registered standard-bred stallions, four to six years old. Pedigrees and breeding guaranteed.
O. L. THISLER & SONS, Chapman, Kan.



FAIRVIEW STOCK FARM. Twenty-five Mammoth Jacks, all ages; Pharaoh 2491, grand champion, Tennessee at head. Largest herd in west.
H. T. HINEMAN,
Dighton, Lane County, Kan.



Imported and home-bred black Percheron stallions, 4 and 5-year-old ton horses. Seven big black Mammoth Jacks from 1 to 7 years old. Ten black Jennets, all ages. Come and see us. Farm 4 miles from Raymond or Chase. J. P. & M. H. Malone, Chase, Rice Co., Kan.

4 REGISTERED PERCHERON STALLIONS. Won 1st and 2nd at Topeka for Percheron Stallions, any age, bred and owned by exhibitor. Won same at American Royal. Also best American-bred Percheron Stallion at any age.
J. G. ARBUTHNOT, Cuba, Kansas.

Missouri and Kentucky Jacks

A number of extra good Missouri and Kentucky bred Jacks, from 3 to 5 years old, from 15 to 15.3 high. All are black with white points. Some show Jacks in lot. Will sell worth the money. Description guaranteed.

J. E. PARK, Cameron, Missouri.

STALLION FOR SALE.

Registered Percheron stallion, 20 months old, weight 1530, heavy bone with size, nice growth and quality. Credit in any company. Reasonable price.
A. C. WILLIAMS,
Valley Falls, Kan.

ANGUS CATTLE

BIG SPRING ANGUS CATTLE. Jasper Auldridge & Son, Pattonsburg, Mo., Proprietors. Breeders of pure bred Angus cattle and Durro Jersey hogs. Breeding Stock for Sale.

ALLENDALE FARM BULLS.

Am offering a choice lot of young Angus bulls, sired by Even Eric 111592, ranging in age from 8 to 10 months, weighing from 600 to 800 pounds; one good 20-month-old bull. W. A. HOLLY, Savannah, Mo.

GALLOWAY CATTLE

FORT LARNED HERD.

REGISTERED GALLOWAYS for sale. Fifteen choice registered bulls 10 to 20 months old.
E. E. FRIZELL, Larned, Kansas.

Capital View Herd of Registered Galloways.

A choice lot of young bulls for sale in numbers to suit. Write or call for further information. G. E. CLARK, 2301 Van Buren St., Topeka, Kan.

POLLED DURHAM CATTLE

Roan Hero the International Champion and BELVEDERE X2712-195058

Son of the \$1,500 Grand Victor X1633 150365 heads my herd of Double Standard Polled Durhams. A few extra good, blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town.
D. C. VAN NICE, Richland, Kansas.

HEREFORD CATTLE

MODERN HEREFORDS HERD BULLS.

BEAU BRUMMEL 10th 167719.
BEAU BEAUTY 192235.
CALDO 2d 260444.

Hazard Place Eldorado, Kan.

ROBT. H. HAZLETT.

100—Hereford Bulls—100. Coming yearlings and twos. A choice lot of cows and heifers. One to a car load. Bred to one of the best bulls in Kansas. SAMUEL DRYBREAD, Elk City, Kansas.

50—PERCHERON STALLIONS AND MARES 50

Bishop Brothers have 25 big boned stallions that weight 1,700 to 2,100 pounds that they can and will sell for less money than any firm in the business, quality considered. Write us what you want.
BISHOP BROS., TOWANDA, KAN.

SCOTCH SHORTHORN BULLS

Twenty head of high-class Scotch and Scotch topped bulls for sale; yearlings and 2-year-olds; all bred right and good individuals; also herd bull Victoria Prince Second 238026—a herd bull with a record as a breeder; all will be sold; worth the money and descriptions of stock guaranteed.
GEO. A. ROBINSON, Prescott Ia.

DUAL - PURPOSE - SHORTHORN - CATTLE

Evergreen Home Farms, Lathrop, Mo., J. H. Walker, Prop.—Breeder of dual purpose Shorthorn cattle, Oxford Down sheep, Berkshire hogs and Burbon Red turkeys. Breeding stock for sale at all times. Prompt attention to mail orders. Write us for milk and butter records of our Shorthorn herd.
J. H. WALKER, Lathrop, Mo.

GANZDALE HERD PURE-BRED HOLSTEIN

GANZDALE HERD PURE-BRED HOLSTEIN COWS AND HEIFERS FOR SALE. To move them quickly we will, quality considered, price them right. We must reduce our herd. We also have a few extra choice quality bull calves for sale, sired by that premier sire, Pletje Count. Several of his sons from large producing dams at prices very cheap. CASPAR A. GANTZ, King City, Mo.

ABERDEEN-ANGUS CATTLE.

C. D. and E. F. Caldwell, Burlington Junction, Mo., breeders of high class Angus cattle. Young bulls for sale ranging in age from 8 to 18 months. A number of them are herd headers. If you want a high-class individual that is bred right, we have them. Write us for description of what we have.
C. D. and E. F. CALDWELL, BURLINGTON JUNCTION, MO.

LIMESTONE RIDGE FARM, CAMERON, MO.

Jack, as good blood as Missouri or Kentucky grows, 14 1/2 to 15 hands, black with white points. One extra good 3-year-old is a show Jack and is bred right to go to head a herd. Two black registered Percheron stallions, 4 and 6 years old, weight 1,650 and 1,750 pounds—\$500 takes choice, or \$900 takes both. They are proved breeders, kind and broke to work. Bay saddle stud, 3 in May, price \$250. All stock old enough for service has been tried and will be guaranteed as breeders. No trouble to show stock.
ISAAC C. LOHMAN, R. F. D. No. 3, Turney, Clinton County, Missouri.

HOLSTEIN CATTLE

33 1/3 PER CENT DISCOUNT ON \$50—BULLS—\$125.

Overstocked, Short of Feed, Must Sell.

Thirty head of Holstein bulls for sale, 1 month to 24 months old; A. R. O. breeding; 100 head in herd; pedigrees to be proud of; every one a herd header. We have never sold as good animals as this offering for less than \$75 to \$200. Buy your bull now when you can get a good one cheap. Barns on Rock Island, 30 miles east of St. Joseph, inside city limits, one-half mile from station. A few females for sale.

S. W. COOKE & SON, Maysville, Mo.

HOLSTEIN COWS AND HEIFERS.

A choice lot of cows, just freshened, all registered and priced reasonable. Also, a few young bulls, sired by Prince Ermsby De Kol, now at the head of the Nebraska College herd. J. P. MAST, Scranton, Kan.

M. E. Moore & Co., Cameron, Mo. Are offering some extra fine bull calves, largely white. Sire, "Sir Korndyke Imperial" 53683, 100 per cent same breeding as "Pontiac Clothilde De Kol 2d." Champion butter cow of the world; 1,271.6 lbs. butter 365 days, 37.21 lbs. 7 days.

BULL CALVES always on hand, and worth the price.
H. B. COWLES, Topeka, Kansas.

Purebred Registered HOLSTEIN CATTLE The Greatest Dairy Breed Send for FREE Illustrated Booklets.

Holstein-Friesian Assn., Box 114, Brattleboro, Vt.

SUNFLOWER HERD HOLSTEIN-FRIESIANS.

Choice stock, both sexes, always on hand. The best sire in the middle west heads this herd. Visitors and inspection solicited. F. J. SEARLE, Oskaloosa, Kan.

JERSEY CATTLE

I AM OFFERING a few young bulls, some of Oxford's Masterpiece, a son of Oxford Lad; Oxford's Brigadier, a son of Gamboe Knight; Merry Maiden's Golden Lad, a son of Merry Maiden's third son; and Eurybia's Exile. I have but a few of these calves that are ready for service. Will sell them reasonably while they last. Write for prices and particulars. W. N. Banks, Independence, Kan.

LINSCOTT JERSEYS

Only Register of Merit Herd in Kansas. A few bulls of serviceable age, sired by a Highly Commended first prize winner of Island of Jersey, out of tested cows.
R. J. LINSKOTT, Holton, Kan.

GOLDEN RULE JERSEY HERD.

Headed by Oomer's Eminent 85865. Choice bull calves for sale.
JOHNSON & NORDSTROM, Clay Center, Kan.

Your Choice—1 bull, coming 2 years, by Beatrice Stockwell; 1 7 months old, by Oomer's Eminent, dam Guenon's Sallie M. test of milk 9 per cent butter fat. Heifers and cows from 6 months to 6 years, mostly Golden Lad and St. Lambert blood. S. S. SMITH, Clay Center, Kan.

7-CHOICE JERSEY BULLS—7 from 4 weeks to 12 months, sired by a son of the noted Sultan Jersey Lad and out of excellent dams. HENRY E. WYATT, Falls City, Neb.

GUERNSEYS. For Sale—High-grade Guernsey bull and heifer calves. "Materna" strain. MRS. HELEN DONNELLY, Manitowish, Wis.

GUERNSEY CATTLE.

A FEW Guernsey bulls for sale; butterfat record 688 to 714 lbs. per year; prices reasonable. Frederick Houghton, Roxbury, McPherson Co., Kansas.

RED POLLED CATTLE

RED POLLED BULLS FOR SALE.

Three yearlings, weighing 800 to 1000, get recorded. During January \$75 each. Chance of a lifetime. Beef and milk qualities combined. Herd bull weighs a ton. Bulls ready for service. September O. I. C. boars for sale. MILTON PENNOCK, Route 4, Delphos, Kan.

RED POLLED CATTLE.

The champion beef and milk producer of the age; bred and for sale by the undersigned. Write for prices or come and see the red beauties.
J. B. RESER, BIGELOW, KAN.

RED POLLED CATTLE.

The only dual purpose cattle and the most profitable for the farmer. Choice bulls for sale.
U. E. HUBBLE, Stockton, Kan.

AULD BROS. RED POLL CATTLE.

Herd numbers 50, headed by Prince, a ton bull in condition; 10 choice young bulls and a few cows and heifers for sale; farm one mile from town.

AULD BROS., Frankfort, Kan.

FOSTER'S RED POLLS.

Choice bulls and heifers priced reasonable.
C. E. FOSTER, R. R. 4, Eldorado, Kan.

SHORTHORN CATTLE

NEW BUTTERGASK SHORTHORNS.

Herd headed by Snowflake's Stamp and Snowflake's Star, the latter the cup winner at the 1911 Mitchell County State-Wide Fair. Straight Scotch and Scotch-topped bulls for sale.
MEALL BROS., Props., Cawker City, Kan.

GLEN HALL SHORT HORN HERD

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

JOHN O'KANE, Blue Rapids, Kan.

Ten Extra Choice Shorthorn Bulls.

Five pure Scotch and five Scotch topped. Also few cows and heifers bred or open. Twenty big-type Poland China glits bred for spring farrow to a good son of Metal's Choice. All out of mature dams. Inspection invited.

S. B. AMCOATS, Clay Center, Kan.

GREENDALE SHORTHORNS.

A few choice bull calves for sale, sired by my noted herd bull, Double Champion, by Choice Goods, and out of Ruberta.

ED GREEN, Howard, Kansas.

SHROPSHIRE SHEEP

875 Breeding Shropshires

High grade black faced breeding ewes. All young, from yearlings up. A number of good young mares, draft bred and good young, work mules. 185 head of good stock cows. Can furnish car loads of class of stock. Maryville branch U. S. station on farm. Alkin Rancho, F. T. Grimes, Manager; Railway Station, Alkin, Kan.; O. Emmett, Kan.

SHROPSHIRE EWES. I have a choice lot of Shropshire ewes registered, for sale. They are from yearlings to five years old. These ewes are bred to imported rams. Prices reasonable. Write J. W. ELLIOTT, Polo, Mo.

POLAND CHINAS**DEAN'S MASTODON POLAND CHINAS.**

Fifty Mastodon Poland China bred sows as Mastodon Price, Columbia Wonder, Surprise Wonder 5th and Gritter's Longfellow—all in the big class. Sows bred to Mastodon Price, Columbia Wonder 5th and sons of Gritter's Longfellow. Bred to farrow early March to May. Also have a few choice boars and some choice Herefords, males and females.

CLARENCE DEAN, Weston, Mo. Phone, Dearborn, Mo. R. R. Sta., New Market, Mo.

BIG TYPE POLAND CHINAS.

Thirty fall pigs sired by Spotted Chief, both boars and gilts, out of matured sows of the large type breeding. Will also offer for a short time only a limited number of spring gilts sired by Spotted Chief and R. B.'s Longfellow, which are bred to King Wonder, a son of old A. Wonder No. 107353 for March and April farrow. These are extra good and are priced reasonable, breeding and quality considered. Description of stock guaranteed. W. F. HOUX, JR., HALE, MO.

BIG HADLEY, BIG HUTCH AND EXPANSION BLOOD

Predominate in my herd. Herd boars: Hutch Jr. by Big Hutch and King Hadley 2d by Big Hadley. Among sows are Grannetta, litter sister to Bell Metal; Pan Princess, weight 725 lbs.; Mollie S., 750 lbs., and Jess Corwin, the dam of Expansion See, the biggest boar ever owned in the West. 90 choice pigs farrowed to date. Visitors always welcome.

C. W. JONES, Solomon, Kansas.

LONGVIEW POLANDS.

Herd boar young Mastiff. The first and grand champion at Topeka, Kansas, State Fair, 1910. A few choice spring boars and gilts for sale, all large type. Priced reasonable and guaranteed. D. M. GREGG, Harrisonville, Mo.

MADISON CREEK POLAND CHINAS.

Twenty choice spring boars of strictly big type. Low prices in order to make room for fall pigs. J. L. GRIFFITHS, Riley, Kan.

LAMBERT'S CORRECT TYPE POLANDS.

Ten ribbons at Topeka State Fair. The big, smooth kind. Pigs or bred sows for sale.

JOSIAS LAMBERT, Smith Center, Kan.

M'S GIANT WONDER 58159.

800 pounds, 11-inch bone as a yearling. For Sale—Choice tried sows bred to this great boar for March farrow.

JOHN T. CURRY, Winchester, Kan.

HOPPE'S BIG TYPE QUALITY POLANDS.

The best of the big type breeding; fed for best results. Bred sows and gilts for sale.

W. V. HOPPE, Stella, Neb.

Thirty Bred Gilts for Sale.

A. L. Albright, of Waterville, Kan., the breeder of the big, smooth kind of Poland Chinas, is offering that number for sale at \$25 to \$40. Write him.

DISPERSION SALE.

I offer at private treaty my entire herd of Poland Chinas, young boars, tried sows and gilts, open or bred to Giant Monarch, the king of big type boars. Some great ones at a bargain. Write.

W. C. MILLIGAN, Clay Center, Kansas.

MOONEY CREEK POLAND CHINA HERD

The biggest of the big. Wonder and Mastodon strains. Herd headed by Big Osborne. I have bought seed stock from the best herds in Iowa and have new breeding for Kansas. Have an extra fine boar for big or medium type breeder. Also fine gilts for sale. Write for information. Visitors welcome.

JOHN W. NOLL, Winchester, Kansas.

GREEN LAWN HERD

The big type Poland Chinas. Herd headed by Major B. Hadley, the Grand Champion at American Royal, 1911. Also Young Hadley and Big Spot. A grand lot of fall pigs for sale, priced to sell.

A. J. ERHART & SONS, Adrian, Mo.

L. C. WALBRIDGE, Russell - - - Kansas.

Offer for your inspection choice sows, both medium and big type, backed up by six boars hard to beat. Let me fill your wants.

POLANDS.

Fuller Brothers' Prize Polands. Grand champion sow, Sedalia, 1911, and other prize winners in herd. Storm Center, sire of champion sow, and Big Tecumseh, at head of herd. We also breed Hereford cattle and Scotch Collies. FULLER BROS., Humphreys, Mo.

HARTER'S BIG KIND POLAND CHINAS.

Headed by Mogul's Monarch, Prince Hadley, and other good sires. Choice breeding stock always for sale.

J. H. HARTE, Westmoreland, Kansas.

LIMESTONE FARMS

breeds Shropshires, Big Poland Chinas, Buff Oringtons, S. C. Brown Leghorns, Indian Runner ducks and Chinese geese. Choice cockerels for sale worth the money.

M. GOTTSWILER, Clarksdale, Mo.

VINECROFT POLAND CHINAS

Bred for quality and size. Address, ALVIN LONG, Lyons, Kan.

MAMMOTH HADLEY POLAND CHINAS.

60 choice spring pigs sired by Mammoth Hadley and Grand Model, two as good sires as can be found in the west; dams of pigs carry the blood of nearly all big sires.

GEO. W. SMITH, Burchard, Neb.

WALNUT GROVE FARM

still has a few choice spring boars for sale. Sired by First Quality 60286 and out of Expansion and C's Perfection dams.

JAMES ARKELL, Junction City, Kan.

POLAND CHINAS**THE POLANDS THAT TAKE.**

FOR SALE—At low prices, several of Toulon Prince's spring boars. Write me quick. L. E. KLEIN, Zeandale, Kan.

W. Z. BAKER, LARGE TYPE POLAND CHINAS

A few choice boars, bred sows and gilts for sale, bred to King Hadley, John Ex. and John Long 2nd. Prices right.

W. Z. BAKER, Rich Hill, Mo.

HAMPSHIRE HOGS.**100 HAMPSHIRE SOWS,**

spring gilts, fall gilts and mature sows. Sired by sons of champions; some of them bred to a winner of the blue at the Ohio State Fair this year, the rest bred to sons of champions. Best of breeding and best of individuals, and priced right down to bed-rock. Write us.

WOODLAWN FARM CO., Sterling, Ill.

HILLWOOD STOCK FARM

High Class Hampshires—Herd Headed by the Celebrated boar Erlanger 1039. High class young boars for sale. Will also sell Erlanger.

J. Q. EDWARDS, Platte City, Mo.

HAMPSHIRE SWINE.

Some fine spring boars and a fine lot of summer pigs, all registered stock.

T. S. BURDICK, Route 3, Inman, Kansas.

MULE FOOT HOGS:

Thompson's Big, Growthy Mule Foot Hogs have won more first prize ribbons than any herd in America. Stock of all ages for sale, sired by or bred to my six big State Fair first prize winning boars. Prices low, quality high. Bred sow sale February 28. Write for catalog. Chas. K. Thompson, Letts, Ind.

FOR SALE

Mule Foot Hogs. Guaranteed immune from cholera. Eligible to record. Male and sow pigs, bred gilts, tried sows. Anything in Mule Foot line.

D. B. GUSHWA, Route 9, Lafayette, Ind.

BERKSHIRES**BERKSHIRE HOGS.**

Guaranteed choice breeding stock of very fashionable lines. Either sex. Pigs, \$15; of breeding age, \$25; very extra choice, best quality, \$35. Registered. Crated f. o. b.

R. J. LINSKOTT, Holton, Kan.

DUROC JERSEYS**100 DUROC JERSEY SOWS,**

spring gilts, fall gilts and mature sows. Sired by sons of champions, bred to sons of champions. An extra choice lot. Prices from \$20 up. Write us.

WOODLAWN FARM CO., Sterling, Ill.

GOLDEN RULE DUROC HERD; Dreamland Col., the best Col. boar in the west, in service, assisted by J. C.'s Defender, by the noted Defender; 100 choice spring pigs for sale in pairs or trios not related; bed-rock prices. LEON CARTER, Asherville, Kan.

ELDER'S HIGHLAND DUROCS. Headed by G. C.'s Col. and F. E.'s Col. Sows contain the blood of Ohio Chief and Crimson Wonder. Stock always for sale.

FRANK ELDER, Green, Kan.

DUROC JERSEY SPRING BOARS

Up-to-date breeding, plenty of quality and good colors. Priced for quick sale.

W. H. SALES, Simpson, Kan.

25—DUROC JERSEY SPRING BOARS—25 By such sires are King to Be and G's Col. out of the greatest sows of the breed. Also two fall boars sired by Neb. Wonder, and a few spring gilts. Will not hold fall sale.

GRANT CHAPIN, Greene, Kan.

B. & C. Col. and Bells Chief

Young boars of serviceable age. Best blood lines. Bred sows and gilts, and fall pigs, either sex.

SAMUEL DRYBREAD, Elk City, Kan.

100 DUROC JERSEY PIGS PRIVATELY. Richly bred boars and gilts in pairs not related at prices to move them.

O. A. TILLER, Pawnee City, Neb.

OHIO IMPROVED CHESTERS

OHIO IMPROVED CHESTERS—100 choice spring and fall pigs. Can furnish pairs not related, best of breeding. Sired by Jackson Chief 2d, Ken Garnett 2d and Bode's Model. Priced right. W. H. LYNCH, Reading, Kan., Box 36.

700 Shropshire Ewes

MATED TO IMPORTED RAMS.

TWO HUNDRED IMPORTED EWES and FIVE HUNDRED AMERICAN EWES. Buy now, when you get the ewe, her lambs, twins or triplets, and her fleece. Winter is about over. Wonderfully good values at \$15 and up.

Henley Ranch-8000 Acres

Postoffice, Greencastle, Mo. Station, Castle, Mo.

LEE BROTHERS' PERCHERONS FOR SALE.

Imported and Home-bred Stallions and Mares, Blacks and Grays. 80—HEAD OF MARES AND STALLIONS—80

From weanlings up. The kind that we sell such men as W. S. Corsa. Every one a good one. Among them is the prize winner from France. She is the best mare in the United States today, barring none. Come or write. All we want is a chance to show them. The price is right.

LEE BROS. Blue Ribbon Stock Farm, Harveyville, Kan.

Mammoth Jacks For Sale

Twenty jacks from 14.3 to 16 hands high, all good, and including some of the best we ever had. The highest priced jack at public sale last year was from our herd, and also the famous champion Missouri Queen. Call or write, mentioning Kansas Farmer.

DEIRLING & OTTO, Queen City, Mo.

150 Shetland Ponies 150

Stallions, Geldings and Mares. All colors and ages. Thirty-four to forty-eight inches high. Call on or address,

C. H. CLARK,

Colony, Kansas

**40 STALLIONS AND MARES.**

My barn is full of good Percheron, Belgian and Shire Stallions. Priced to sell. I mean business. Come and look them over. If you want good horses, we can deal. My prices are from \$400 to \$1,000. Come and see me before you buy. Then be your own judge. Barn right in town.

Joseph M. Nolan, Paola, Kan.

Imported — Percheron — Stallions

At the 1911 shows we won Championship on both Percheron and Shire Stallions, at the American Royal, the Inter-State and the Missouri State Fairs. All our horses are imported. We sell as low as anyone on earth, quality considered. Our guarantee and insurance are the best known.

PERCHERON IMPORTING CO., South St. Joseph, Mo.

**Percheron Stallions and Mares**

A few choice stallions and several brood mares safe in foal. Matched teams from 2 to 5 years old. Come and see me.

F. H. SCHREPEL, Ellinwood, Kan.

PERCHERON, BELGIAN, GERMAN COACH STALLIONS AND MARES.

Imported and home-bred. Will sell our 1911 champion and other prize winners. Write or come. I make good. Mention this paper.

PIONEER STOCK FARM, J. W. Waddill, Prop., BRASHEAR, MO.

REGISTERED PERCHERON STALLIONS

Young registered stallions, from weanlings to 4-year-olds, outstanding in bone, size and quality. All registered in Percheron Society of America. Write for bargains.

On Main line of C. B. & Q. Railway, 60 miles east of St. Joseph.

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Will hold an actual practice term of school in connection with our auction house at Kansas City, Mo., beginning MARCH 4, in which more actual practice will be given than in any former term. The president of the school will be present during the entire term; the class will not be so large as the regular terms, hence you would get more real practice than ever before. Are you coming? Free catalog. Address, mentioning this paper.

W. B. CARPENTER, President, 1404 Grand Avenue, Kansas City, Mo.

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employ Zaun. He works for the best breeders in America. Best of reference furnished.

FRANK J. ZAUN, Independence, Mo.

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Live stock and farm sales auctioneer; block and ring work solicited. Belleville, Kan.

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Salina, Kansas LIVE STOCK AUCTIONEER

Write, phone or wire me for dates.

T. E. GORDAN, Waterville, Kan.

Real Estate Auctioneer. Will cry sales in any state; terms reasonable; write for plan.

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Live Stock Auctioneer, Parsons, Kan. Continually selling for the best breeders of several states. Write, wire or telephone. Home phone 2702.

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Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

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Real Estate and Live Stock Auctioneer. Eighteen Years' Experience. Offerle, Kan.

LAFE BURGER, Live Stock Auctioneer, Wellington, Kansas—15 years of success in selling pure bred live stock.

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G. C. ROAN'S

Great Sale of

JACKS and JENNETS

Will Occupy Two Days
February 26 and 27

And on these days my customers who come to La Plata will buy at their own figures the blood of the
WORLD'S GREATEST PRIZE WINNERS.

The Jacks

are just such as I put out last year to the very highest class trade—great bargains at very moderate prices—and no offering ever gave better satisfaction. I make a little money on these (as they cost no more to feed than common stuff) and the buyer saves a whole lot.

The Jennets

numbering 25, are unusual values, individually, and what is more, they are bred to the world famous Barytone Mammoth, highest priced jack ever sold at auction, I having bought the Jennet stud of James Houchin, who had this great jack at its head. A few Jennets have colts by him.

Write at once for catalog. Sale tent near depot; 24 passenger trains per day.

G. C. Roan, La Plata, Macon County Mo.

DRYBREAD'S Annual Spring Sale

—OF—

DUROC JERSEY BRED SOWS

—At the Star Breeding Farm, Near—

ELK CITY, KANS., March 12th

This grand offering of tried sows and gilts are sired by the noted boars, B. and C.'s Col., World's Champion, Belle's Chief by Ohio Chief, McNeil's Model, Pilot Wonder Chief, Tatarax, Correct King, Wonder Advance and others, and are bred to the following noted herd boars: B. and C.'s Col., World's Champion, Belle's Chief, Red Advance by Red Wonder, S. D.'s Buddy by Buddy K 4th, Correct King, King of Col., Second Again, Frank's Neb. Wonder by Neb. Wonder. The various blood lines represented in this offering will afford a great opportunity for buyers to get a varied lot of blood lines in one sale. This offering is up to the same high standard of my former offerings. I will also sell 6 young boars of as rich breeding as can be found. My herd is immuned. Catalogs are ready; a postal card will bring one to you. Write today and arrange to attend this, one of the most important sales to be held this spring. Sale will be held in comfortable tent. No postponement. Free conveyance to and from farm.

Samuel Drybread & Sons

Auctioneers—Cols. Reppert, Noblitt, Sheets.
J. J. Baker will sell Durocs at Independence, Kan., March 11. Arrange to attend both sales.

—W. H. EMENS—

Poland China Bred Sow Sale

MARCH 7th, 1912

—35 HEAD—

Sale consists of 14 tried sows, 8 fall yearlings and 13 spring gilts. This offering are all good individuals and will make good for the purchaser. My tried sows are all bred to U Wonder, a worthy son of A Wonder, the noted 1,200-pound boar. Gilts are bred to Royal Wonder and Mogul E. Farm location, one-half mile west of Elmdale, which is on main line of Santa Fe. You are invited to come. If you cannot be present at sale, send bids to O. W. Devine, representing Kansas Farmer, or to auctioneer, in my care, and they will treat you fairly. Drop card for catalog to

W. H. EMENS,
Elmdale, Kansas

Auctioneers—Col. Crouch, Col. Wood.



PERCHERONS, SHIRES, BELGIANS
OUR STALLIONS ARE SELECTED IN EUROPE WITH AN EYE-SINGLE TO THE WANTS OF THE MOST CRITICAL AMERICAN BUYERS.

They are big, smooth flat-boned fellows, with great quality, style and conformation—with good color and dispositions. They were selected from the oldest breeding farms in France, England and Belgium, and their breeding stands back of them for thirty generations. They will go into any community and com-

mand the best mares, command the men who are the best pay and who take the best care of their stock. Our contract of guarantee is as good as a government bond. Our prices are reasonable. Send for big illustrated catalog and letters from hundreds of satisfied customers.

Ds Watson, Woods Bros. & Kelly Co., Box 34, Lincoln, Nebraska.

CRYSTAL HERD O. I. C. SWINE

Dan Wilcox, Prop., Cameron, Mo. Herd headed by Frost's Buster 29745, assisted by Big Oak 27263. A sow herd that is made up of high-class producers. A number of choice fall boars and gilts for sale—the tops of 50 head of good ones. They will be priced right. Will also sell my fine herd boar, Big Oak. Write for description and prices. **DAN WILCOX,** Cameron, Mo.

THE ORIGINAL FAMILIES
MULE FOOT HOGS
SAFE—SOUND—CERTAIN
Prices Reasonable, Write
SULTAN STOCK FARM
R. 7. BLOOMINGTON, IND.

RED POLLED AND SHORTHORN CAT-
tle, Shropshire sheep and Duroc Jersey hogs. Breeding stock for sale. **E. A. Bunton,** Maysville, Mo.

THE STRAY LIST

W. M. TRUITT, COUNTY CLERK OT-tawa County, Kan. Taken up, by James Allison, Lamar, Kan.—One red cow, 5 years old brand on left hip (illegible), value \$22.50. Taken up Dec. 9, 1911.

GUY G. ADAMS, COUNTY CLERK, Greeley County—Taken up, by Frank Effinger, Horace, Kan., on the 10th day of February, 1912: One red steer, weight 600, white face, branded I. O. on left side; appraised value, \$25. One red steer, weight 600, T. O. left hip, ears cropped; appraised value, \$25. One red steer, weight 600, white face, branded S. Z. left hip; appraised value, \$25. One red steer, weight 750, white face, branded M/2 left hip, slash in brisket; appraised value, \$27.50.

CARSON LANE, COUNTY CLERK, Miami County, Kan. Taken up, on the 27th day of October, 1911—One light red heifer, coming 3 years of age, white on belly and on flanks, both ears clipped and without horns, valued at \$35; by S. J. Russell, in Sugar Creek Township. Postoffice address, Draxel, Mo.

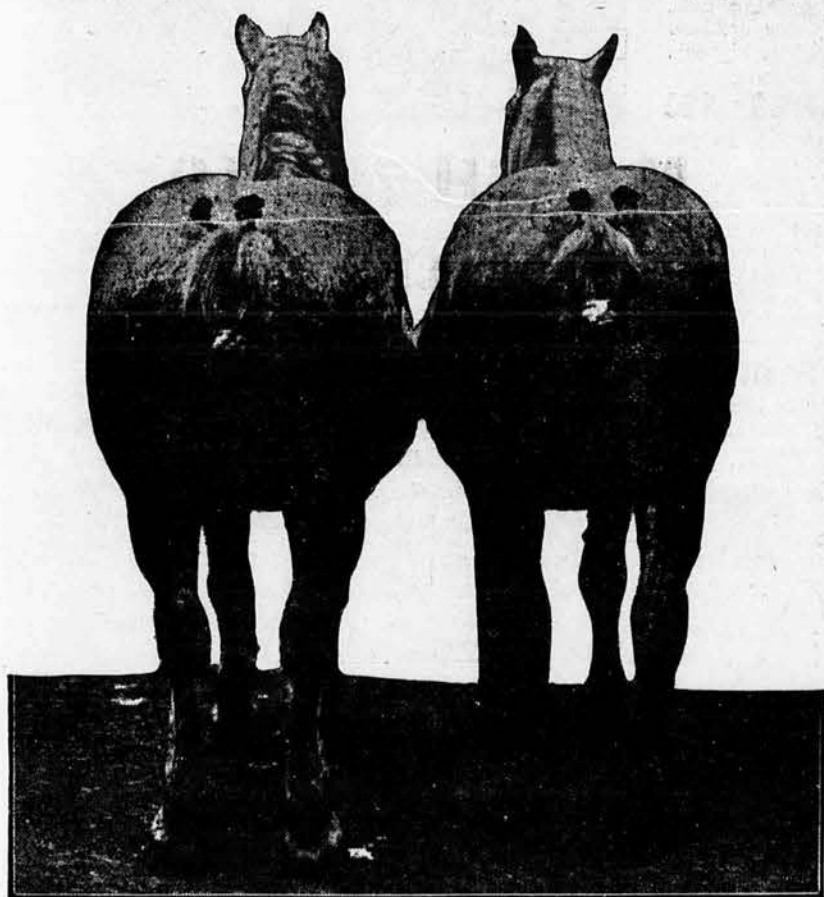
I HAVE TAKEN UP A STRAY COW ON my farm, known as the Mossman farm, one mile northeast of Erie, Kansas. Description: Red roan, will weigh about 700 lbs.; one crooked horn on left side, and blind in right eye; is about five years old. Can be found at the above-named farm. **F. C. Currie,** Erie, Kan., R. F. D. 3.

GUY W. ADAMS, COUNTY CLERK OF Greeley County—Taken up, by W. C. Finch, Tribune, Kan., on the 5th day of February 1912, two horses: one a sorrel, weight 850 pounds, star, branded J. J. B. left hip; appraised value, \$50; the other a bay or roan, weight 850 pounds, blaze face, white hind legs and feet, U left thigh; appraised value, \$35.

B. B. REIMER, COUNTY CLERK, Marion County, Kan. The following described stray was taken up by me, the undersigned, July 25, 1911, on S.E. 1/4, section 16, township 17, range 2 east, in Marion County, Kan.—One red bull, about 3 years old, weighing about 1200 pounds, without any brand or mark; properly advertised; appraised value, \$30. **Frank C. Ewert.**

EXTRAORDINARY DISPERSION OF Prize Winning Percheron Mares and Stallions AT BELOIT, KANS., THURSDAY, FEB. 29th, 1912

When the Select Stud of **RALPH G. McKINNIE, Glen Elder, Kan.,** will be sold without reserve, together with sixteen head of the best stock of **H. G. McMILLAN & SONS, Rock Rapids, Iowa**



INTERNATNOL PRIZE WINNING MARE, TO BE SOLD IN THIS SALE.

who, in the last seven years, have won over SEVEN HUNDRED prizes at the important stock shows in the United States in competition with all the leading breeders and importers.

THIRTY-SIX HEAD of stallions, mares and colts, including the **CHICAGO INTERNATIONAL PRIZE WINNING MARES**, now at the period of their greatest usefulness.

IMP. GOULOTTE (71858) 48947, weighing 2160, safe **IN FOAL TO THE GREAT CARNOT 66666**, and **LUCY 34974**, weighing over a ton, and safe in foal to a grandson of Besigue (19602). The 2340-pound **Hardi (74718) 60541** also included in this sale.

ALSO, an **IMPORTED YEARLING FILLY BY THE \$10,000 CARNOT 66666**, imported especially to be bred to the great Calypso, but consigned to this sale by **H. G. McMillan & Sons**, in fulfillment of their promise to furnish their share of an offering of strictly high-class stock. **Also**,

IMP. HARDI (74718) 60541, a 4-year-old of unusual scale, bone and breeding, **WEIGHING NEARLY 2400**, the kind seldom offered at public auction.

A rugged, heavy boned lot of real work mares, by such sires as Calypso, Carnot, Casino, Aride, Samson, Bibi, Brunelles and others, mostly weighing over 1900, and all old enough to work on the farm, and safe in foal. Stallions with enough weight and breeding to head pure-bred herds or for stock horses. **AN OFFERING NEVER EQUALED IN THIS STATE, AND SELDOM IN ANY STATE.**

Sale at the Mitchell County Fair grounds, Beloit, Kan., Thursday, February 29, 1912, in a heated sale pavilion, regardless of weather. Address, for catalog,

RALPH G. McKINNIE, Glen Elder, Kan.

Auctioneer—Carey M. Jones. Fieldman—Jesse R. Johnson.

Banquet and annual election of officers of the Mitchell County Breeders' Association at Beloit, Kan., the evening of February 28. Secretary Wayne Dinsmore, of the Percheron Society of America, has promised to try to attend this meeting and make an address, and there will be others of note. Notify Secretary J. M. Rodgers, Beloit, Kan., that you and your wife will attend.

40 RICHLY BRED Duroc Bred Sows AT AUCTION 40

AT FARM NEAR WATERVILLE, KANS.

Thursday, Feb. 29, 1912

10 TRIED SOWS. 20 SPRING GILTS.
10 SUMMER BOARS.

Females all bred for March and April farrow to Carter's Golden Rule, Clay Center Col. and Col. Tom. The tried sows include daughters of the great Queen's Col., Nebraska Wonder, Welch's Wonder, and granddaughters of Tatarrax. The spring gilts and boars are out of these sows and others of like breeding, and sired by Blue Rapids Col. and Clay Center Col. Individually, the offering is a good one and the breeding is as good as can be found. Many of the sows and gilts have several crosses of the famous Missouri Wonder, Nebraska Wonder and Col. breeding, and have always made good. We will present the stock in nice breeding condition, with but little fitting. Write for catalog now. Free transportation to and from farm.

J. W. WOHLFORD,
Waterville, Kansas

Auctioneer—T. E. Gordon. Jesse Johnson will represent Kansas Farmer. Send him sealed bids, in my care.

PERCHERON HORSE SALE

25 MARES AND 25 STALLIONS

At Butler, Missouri

THURSDAY, MARCH 7TH, 1912

In McMullen's Sale Pavilion.

Not the largest, but best sale of Percherons this year. Am selling the best I have on the farm. Everything will be held until sale day—nothing priced or sold till sale. No reserves. Am closing out my herd—everything sold regardless of price. More brilliant blood than any herd in the state. All ages, from yearlings to 5 years. Sale under cover. Catalog out February 15. Send for catalog and come to sale. Please mention *Kansas Farmer*.

J. W. Barnhart,
Butler, Missouri

FRANK IAMs' DRAFT-STALLIONS

Are "up-to-the-minute" and 10 years in advance. They are the "Drafty, big-boned type"—"Nifty big Black Boys"—the real "medal winners"—sensational "show and business horses" of note, "ripe peaches" from the "select 400." Big, classy "Peaches and Cream"—"Black Boys." The "Iams Brand" of drafty "top notchers." Iams' 1912 importation of Percheron and Belgian stallions and mares are in the "Pink of Condition" and ready for a "good selling." "Ikey, Boy," smile sweetly, and hundreds of Iams' satisfied customers "will sit up and take notice" that Iams, the "King Pin" horse importer, is still "doing business" at the "old stand." Iams is "pushing" his horses to the front. The big "Peaches and Cream" "Boys and Girls" are attractions that can't be overlooked. Iams mesmerizes buyers with "real drafters," at "bargain prices," and having the "horses as advertised." Iams' "competitors" and "hammer knockers" are "boosting Iams" by their "knocks," until now he is known as the "Millionaire Horseman," and on "Easy Street," and growing fast. Ikey, "Come on along," and sing Iams' song. He is selling these "aristocratic," fancy "Black Boys" cheaper than ever—or better horses for less money—\$1,000 and \$1,400 (few little higher). Iams has

120 PERCHERON and BELGIAN STALLIONS and MARES 120

They are "Models"—"Humdingers." They are 2 to 5 years old, weigh 1,700 to 2,500 lbs., 80 per cent blacks, 50 per cent ton horses. All "approved and stamped" by European government. Registered in popular stud books of U. S. Many "prize winners" and "gold medal horses." Big, Drafty "top notchers," with big bone, quality, style, finish and action to burn. They are "Eye-openers"—larger and better horses than seen elsewhere. Big "business propositions" that make "the wheels work fast" under a "Buyer's hat." "Georgie, dear," Iams made a "big killing" by buying his horses in Europe in October 1911. "Dry weather," "bad crops," "close money" and "Iams' cash" caused the "prize winners" and "tops" to be thrown on the market for a "good selling." Iams "cut the melon" and bought the "rippers" at "knockout prices." Iams will give his customers the benefit of his "good buy." "Ikey, boy," "come on down town"—get into

IAMS' "Get Rich Wagon" and Save \$1,000 on a "Top Stallion"

(and you wear the diamonds). Iams is a "big fly in the jelly" in the horse world. "He keeps the gang guessing." Iams sells "Imported horses only"—(They win 90% of prizes at big horse shows). No "American bred full bloods"—No "Auction stuff" or "Peddlers' horses"—only "choice drafters" of big size, bone, quality and finish. Iams' imported horses are "approved"—"branded," "Inspected," and "Certificate stamped O. K." by governments of "France and U. S. A." Iams has the "crack stallions and mares" you "read about." Buy horses of Iams and you won't "get stung" in horse or price. "Dolly D., waltz me around once again "Ikey," land me at Iams' box office and importing barns. Pull to "the roof" with "Black boys" (and all must be sold). Reduced prices. All the world knows Iams and his "Peaches and Cream" horses. 1912 promises to be a bumper year to Iams and his customers. He saved \$300,000 to stallion buyers in 1911. Watch "Iams' smoke" in 1912. Iams' 30 years of successful business makes him a safe man to do business with. Iams sells horses "on honor." A boy or a lady can buy as cheap as a man.

IAMS' 1912 HORSE CATALOGUE IS AN "EYE-OPENER." IT HAS "A LAUGH" AND A \$1,000 BARGAIN IN EVERY LINE.

"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. It shows LARGEST IMPORTED stallions and mares in the United States, "TRUE TO LIFE," and TRUTHS, FACTS, "BUSINESS PROPOSITIONS," and 100 illustrations of "TOP-NOTCHERS" and the "TRICKS OF STALLION PEDDLERS" and "AUCTION BLOCK" SALESMEN. It is the finest, most elaborate, and original up-to-date horse book in the world. Iams, the "square deal" horseman, makes every statement in ad. or catalog good—or you get the \$500 he hangs up. Iams guarantees to sell you a better imported stallion at \$1,000 and \$1,400 (few higher) than are sold to stock companies for \$4,000. Imported mares, \$700 and \$1,000. Iams gives 60 per cent breeding guarantee; pays freight on horse and fare of one buyer. He can furnish \$1,500 insurance. IAMS buys and sells every stallion himself. Saves buyers \$1,000 in middlemen's profits. He buys stallions by "trainload." He speaks the languages—(saving 20 per cent). He is not in the "Stallion Trust." No partners—to share profits. He "pays cash" for his horses—and sells "top notchers" by "hot advertising" and having "the goods." "Big Ikey," leave your "happy" home and buy a "top" stallion or pair of imported mares (of Iams) that bring colts that sell at \$500 each. "Papa," don't let those "auction men" "hand you a lemon" in one of those "so-called" "American full-bloods" of questionable breeding. Buy an imported horse of Iams, the "reliable horseman." Then we will "all wear diamonds." Iams "selling clothes" fit all buyers. Write for Iams' million-dollar horse catalog. Iams won't let you go without a Peaches and Cream stallion or mare. "He sells the tails off them." Iams' guarantees are backed by "half-million dollars." References—First National and Omaha National Banks, Omaha; Packers' National Bank, South Omaha; Citizens State, First State, and St. Paul State Banks, St. Paul, Neb. Iams buys big ad. space because it is cheaper than flannel-mouthed horse salesmen.



ST. PAUL, NEBRASKA

JOSEPH M. NOLAN'S PUBLIC SALE

OF 50 - Registered Percherons - 50

WILL BE HELD AT PAOLA, KAN.,

TUESDAY, MARCH 12th, 1912

in John Williamson's Sale Pavilion, commencing promptly at 1 o'clock p. m., rain or shine. This consignment consists of the following:

20 REGISTERED PERCHERON MARES, from 3 to 6 years old. These mares are of suitable age and safe in foal.

10 REGISTERED FILLIES, FROM 1 TO 2 YEARS OLD.
20 STALLIONS, FROM 2 TO 6 YEARS OLD.

All the above horses will be sold under a guarantee. Time will be given on bankable paper. Parties desiring time should bring bank references.

Paola is situated 45 miles southwest of Kansas City, on the following railroads: St. Louis & San Francisco, Missouri Pacific, and Missouri, Kansas & Texas.

JOSEPH M. NOLAN

There will be some horses in this sale consigned by two other breeders.

Auctioneer—Col. Al. Hudson. This sale will be annual.

MENTION KANSAS FARMER WHEN YOU WRITE.

Our barns are full of good ones. Imported and American-bred Percherons, Belgians and Shires, from 2 to 5 years old, that weigh from 1500 pounds to 2400 pounds.

A fine bunch of 2 to 4-year-olds, pasture raised. The kind that give satisfaction.

We have some bargains in Mares. If you want your money's worth, come and see us. Large calendar sent free.

NORTH-ROBINSON & DEAN CO., Grand Island and Bridgeport, Neb.



DR. W. H. RICHARDS

IMPORTER OF DRAFT HORSES

Importation arrived September 10, 1911. I have selected them personally, and have the pick of Belgium and France's 2- and 3-year-olds. All were selected for good breeding, soundness, bone and individuality. All good colors and will make ton horses. Every horse absolutely guaranteed. Anyone looking for a first-class STALLION at very reasonable price should come and see them before buying. Barns four blocks from Santa Fe Depot. EMPORIA, KANSAS



STALLIONS

Yes, "Stallion Price Cutter"—that's what they call me, and I am proud of the title. I want to place one or more of my stallions or mares in every township, and I have 60 head now on hand and another importation to arrive this month, and I am going to slice prices on a grand scale. Will give you the best of terms and a cash guarantee. All my horses are registered in books approved by the government. I want you to look at other horses before coming, and then it is up to me to make good to you that I am selling them worth the money. Remember, I pay your expenses if you don't say my prices are right, considering quality. Write or come and see me and I will assure you a bargain.

L. R. WILEY,

EMPORIA, KANSAS

You run no risk to patronize persons or firms whose advertisements appear in KANSAS FARMER.

Lamer's Percherons

SALINA, KANSAS

Senty-five (75) Head of Imported and Home-grown Percheron STALLIONS, MARES and COLTS, all ages, for sale. WRITE or COME AND SEE ME before you buy.

C. W. LAMER,

Salina, :: :: :: :: Kansas

FIELD NOTES

FIELD MEN.

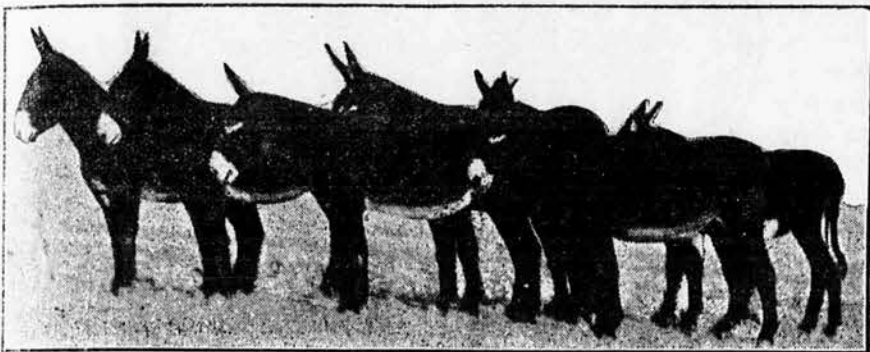
Wayne Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
W. J. Cody.....Topeka, Kan.

Last Call for McLarnon's Sale.

L. R. McLarnon's sale of bred sows at Bradyville, Iowa, February 27, should not be overlooked by Poland China breeders wanting the big, mellow, high-class kind. This will be an opportunity to buy sows bred to Big Orange, others to Colossal, two of the greatest big-type Poland China boars living. They have made good, and Big Orange is the sire of more boars than are now at the head of prominent herds than any other boar living. This is a great offering.

Drybread's Duroc Sale.

On March 12, Samuel Drybread, of Elk City, Kan., will sell a draft of Duroc Jersey bred sows, and gilts. A number of these sows will be bred to the great herd boar, B. and C's Col. and Bell's Chief. This promises to be one of the best offerings that will be sold in Southeast Kansas this year and should attract the attention of breeders and farmers needing new blood in their herd. Please read advertisement in next week's issue, and send for catalog. Please mention Kansas Farmer when you write.



A BUNCH OF JENNETS TO BE SOLD IN THE MONSEES SALE.

In the 34th public sale of L. M. Monsees Sons there will be included 37 jacks and jennets. The jacks are of very uniform makeup, including eight high class yearlings, among them two sons of Orphan Boy that have never been equaled by yearling jacks sent out from the stud. There are seven coming 3-year-olds and 23 3 to 7 years old, which offer an investment that assures immediate returns. Eight or 10 of the number are exploited as being particularly valuable as jennet jacks. The jennets run much larger in size than any offering previously made and include four prize winners at fairs in Kentucky, Tennessee and elsewhere. The jennets of breeding age are bred to Orphan Boy, the famous world's champion. In the 5-year-old 1,250-pound Missouri King, by the Mammoth-red jack, King of Giants, is offered one of the great jacks of the day. He displays quality, smoothness, thickness and size of bone. In the long list of Limestone Farm sales his equal has rarely passed under the hammer. Like the entire offering, he is black with white points. The 3-year-old sister by Orphan Boy stands 15 1/2 hands, not extra large, but a show jack without a weak point. The 4-year-old Highball stands a good 16 hands and for two years at the shows mentioned he was undefeated. He offers a prospective stud-header for use in jennets. There are yearlings that also have the bone, finish and character throughout that put them in a superior class. The catalogues are ready to mail out. Send for one and arrange to attend the sale.

big crowd of farmers and a good sprinkling of breeders. The offering of 40 head was extra good but lacked fitting. This, together with the late date of breeding of many of the best ones resulted in a much lower average than the quality of the offering deserved. Although the prices received were very uniform, no very high prices were paid, and none so very low. Col. Brady and McCulloch did the selling. The following is a partial list of sales:

No. Purchaser.	Price.
1. Roy Springer, Stockdale.....	\$31.00
2. Abe Enochs, Stockdale.....	27.00
3. Aug. Anderson, Garrison.....	30.00
4. Albert Erickson, Leonardville.....	38.00
5. Samuelson Bros., Cleburne.....	35.00
6. Abe Enochs.....	36.00
7. R. Bloomhurst, Leonardville.....	35.00
8. G. M. Bradshaw, Manhattan.....	34.00
9. Abe Enochs.....	31.00
10. Samuelson Bros.....	31.00
11. Chas. Horn, Garrison.....	40.00
12. Albert Erickson.....	36.00
13. James Brooks, Garrison.....	33.00
14. R. Bloomhurst.....	36.00
15. John Fleming, Garrison.....	34.00
16. Roy Springer.....	25.00
17. Aug. Anderson, Garrison.....	26.00
18. Chas. Fritz, Garrison.....	28.00
19. Abe Enochs.....	32.00
20. J. G. Nider, Manhattan.....	25.00
21. P. G. Johnson, Olsburg.....	26.00
22. James Brooks.....	30.00

Last Call for Pfander's Sale.



J. W. PFANDER & SONS, WITH ONE OF THEIR GIANT POLAND CHINAS.

Roan's Two Days' Jack and Jennet Sale.
The attention of Kansas Farmer readers is called to the advertisement of Mr. G. C. Roan, of La Plata, Mo., on February 26 and 27. Mr. Roan will sell one of the greatest drafts of jacks and jennets ever offered in Missouri. The offering of 80 head will consist of 25 jacks and 55 jennets. The 25 jacks are the best lot ever drafted from Clover Leaf Valley Farm, and will include champions of the show ring and herd headers. The jennets are a very desirable lot. They are well bred and include many of the best ones from Clover Leaf Valley Farm and from the Houchens herd. Twenty-five of them are bred to the record breaking \$3,030 Barytone Mammoth, bought especially to mate with these jennets. This entire offering of jacks and jennets is one of exceptional merit and is one that will appeal to the buyer wanting high-class breeding stock. This will be one of the sale events of the season. The sale will be held in Mr. Roan's heated sale barn in La Plata, Mo.

Clary Sells Jacks.

J. E. Clary & Sons, of Sheridan, Mo., have claimed March 19, 1912, as the date of their annual sale. Their offering this year will include 15 jacks and 10 jennets. Watch for their advertisement; it will interest you.

Lohman's Jacks and Stallions.

Attention is called to the change in the card of Isaac C. Lohman, of Turney, Mo. Mr. Lohman is offering some breeding stock that will interest parties wanting jacks, registered Percheron stallions or saddle stallions. Look up his card and note prices on his offering. They are priced for quick sale.

German Nurseries and Seed House.

The 26th annual catalog of this reliable firm has just come to the desk of the editor. All the way through the catalog one can see the personality of Carl Sonderegger, the efficient farmer, nurseryman and seedsman who started the business over a quarter of a century ago. In his foreword, Mr. Sonderegger writes: "I have four of my sons in business with me now, all overseeing separate departments, and together we have improved our service. You will find this catalog carefully written; the descriptions and illustrations are as nearly true to nature as we could make them. We have avoided all exaggerations and bombastic statements. The novelties we offer have all been tested and are worthy of a trial by our customers." In these few sentences is found the secret of the growth and success of the German Nurseries and Seed House. First, to have the proper kind of goods to sell, and then to sell them for just what they are, no more and no less. Our readers are invited to write for one of these catalogs. It will be sent entirely free by the next mail after receipt of the request for it. When writing, kindly mention Kansas Farmer.

Thompson Brothers' Duroc Sale.

The Thompson Brothers' annual sale of registered Duroc Jersey bred sows, held at

59 BUSHEL'S OF WHEAT PER ACRE

accomplished by the "Henry System," a new method for raising enormous crops in wheat, rye, oats and barley.

Results of the last three years:

Wheat: 58, 59 1-2, 59 bushels per acre with 2-3 bushel seed
Rye: 59, 61, 61 1-3 bushels per acre with 2-3 bushel seed
Oats: 102 1-2, 105 1-3, 107 bushels per acre with 1 2-3 bushel seed
Barley: 55, 56, 54 1-2 bushels per acre with 3-4 bushel seed

Every large or small farmer can handle the "Henry System," by using the usual implements and his own harvested seed.

No more weeds, no extra expenses, no experiments, but easy work.

The "Henry System" brings 30 to 40 dollars more each year than the average, from every acre.

Send 60 cents for full instructions for the use of the "Henry System," and other useful information.

Money back if not satisfied.

"HENRY SYSTEM," Philadelphia, Pa.

877 N. 48th Street, Dept. A 2.

The Copyrighted Book is registered and deposited in the Library of Congress at Washington, D. C.

Sale Postponed.

The Duroc Jersey bred sow sale of W. E. Monasmith, announced for Tuesday, February 27, at Formoso, Kan., has been postponed.

of positive danger to him. Unless the circumstances are exceptional, all horses should be clipped, and it will be found as a result that they feed, thrive and work better and are less subject to colds and coughs. Many farmers claim, and we know they do so correctly, that it insures a freedom from coughs and colds that they did not enjoy before its practice was commenced on their teams.

Snow Storm Interfered.

Then 10-inch snow of Monday night, February 12, resulted in a small attendance at the J. G. Hunt sale the day following and undoubtedly cost Mr. Hunt several hundred dollars; but the farmers present, composed almost entirely of Mr. Hunt's neighbors, appreciated the offering fairly well and every catalogued animal, 41 in all, sold on an average of \$36.63 per head. Col. Z. S. Branson did the selling and was assisted by Col. Trospier. The following is a list of the sales:

No. Purchaser.	Price.
1. J. W. Wohlford, Waterville, Kan.....	\$43.00
2. Paul Sigenhagen, Marysville.....	41.00
3. J. W. Wohlford.....	47.00
4. John R. Bond, Hanover.....	60.00
5. John R. Bond.....	60.00
6. Paul Sigenhagen.....	75.00
7. J. A. Philippi, Home City.....	30.00
8. G. A. Crews, Bremen.....	40.00
9. Herman Thiele, Bremen.....	37.00
10. P. G. Ring, Marysville.....	40.00
11. R. F. Garrett, Steele City.....	37.00
12. R. F. Garrett.....	38.00
13. John R. Bond.....	36.00
14. John R. Bond.....	34.00
15. G. B. Layton, Blue Rapids.....	39.00
16. Ed Bright, Irving.....	39.00
17. Ed Bright.....	34.00
18. G. A. Crews.....	39.00
19. Fred Overmeyer, Marysville.....	39.00
20. R. F. Garrett.....	40.00
21. J. A. Philippi.....	38.00
22. G. Honneycut, Marysville.....	35.00
23. John R. Bond.....	50.00
24. R. O. McGee, Marysville.....	39.00
25. B. Honneycut.....	31.00
26. John Easton.....	28.00
27. J. W. Wohlford.....	27.00
28. J. P. Burkett, Marysville.....	38.00
29. J. P. Burkett.....	36.00
30. J. M. Layton, Irving.....	29.00
31. Henry Shoffer, Bremen.....	32.00

The Big Beloit Percheron Sale.

Among the stallions to be sold at the great McKinnin & McMillan Percheron sale at Beloit, Kan., on February 29, there will be the 2,300-pound Hardi 60541 and Jacques V. 65632. Hardi is a black and exceptionally heavy bone, measuring 11 inches below the knee and over 12 1/2 inches below the hock. He has clean flat bone and a magnificent and very breezy head and neck. He is very strong in his muscling, and for all his size, is a horse of good action, showing well at the walk and trot. While an unusual individual, his breeding is as good as his individuality. His dam and second dam are by Besigue 19602, one of the greatest sires of the Percheron breed. Hardi is very strong in the Brilliant blood. He comes from the Tacneau stables, one of the best breeders of France. His colts show the same massive qualities and have the same heavy bone that he has.

Jacques W. is from an imported mare that was a prize winner in France. She was bred in France, and Jacques W. was imported in dam. He is a very dark dapple gray, a handsome horse and very popular with his patrons. He has many good colts in the country to show what he can do. Both these stallions are guaranteed breeders. In addition to this grand offering of stallions and mares by Mr. McKinnin, a carload from the well known Lakewood farm of H. G. McMillan & Sons, proprietors, Rock Rapids, Iowa, will be sold, in order that there may be enough to be an attraction to buyers from a distance. They will make some of their best stock. This will offer an offering of between 35 and 40 head in all. The night before the sale the Mitchell County Breeders' Association will give a banquet to the visiting stockmen. The McKinnin offering will include a remarkable filly that was sired by the \$10,000 Carnot 65666 and specially imported to be bred to Calypso, the head of the McMillan stud,

and the horse that is said to have won more first prizes and championships than any other living Percheron. This will be a sale that is remarkable for the quality of the offering. Beloit is on the Union Pacific and the Missouri Pacific railways, and is 230 miles from Kansas City and 184 miles from Atchison.

Limestone Farm Big Polands.

Attention is called to the card of M. Gottswiler in this issue of Kansas Farmer. Limestone Farm is the home of one of Missouri's good herds of big type Poland China hogs, and breeding stock from this herd always make good. The sires and dams now in use are of the best big type blood lines, and as individuals they are the big, mellow, easy feeding kind, with quality. At present the Limestone Farm offering is 20 head of high-class bred gilts and 15 choice fall boars, some of them fit for herd headers. Limestone Farm is also the home of one of Missouri's choice flocks of Shropshire sheep that has gained a good reputation through choice breeding stock sent out. The poultry department of the farm is noted for its fine Buff Orpington and S. C. Brown Leghorn chickens, Indian Runner ducks and Chinese geese. Orders for eggs will be booked now. The motto of Limestone Farm is, "High quality at reasonable prices." Look up their card and write for prices and description of stock. Please mention Kansas Farmer when writing.

Makes Good in Missouri.

"Kansas Farmer made good in advertising my sale of Duroc Jersey bred sows. It brought me as many inquiries as any paper I used. I had a nice sale and was well satisfied with it."—E. W. DAVIS, Breeder of Duroc Jerseys, Glenwood, Mo.

A Book About Pianos.

The homes into which Kansas Farmer goes which desire to buy a piano should send for the style book which gives practical information with regard to pianos, which J. B. Thiery, of Milwaukee, Wis., has issued. Mr. Thiery has built up a big business in selling pianos direct to the consumer. He pays the freight to the buyer's station and makes a very fair proposition to those desiring to purchase. He offers to send a Thiery piano to you, of your selection, on 30 days' free trial. He does not require any money in advance or any deposit, and if the piano is not satisfactory after you have had a chance to try it, all you need to do it to send it back at his expense.



J. B. THIERY.

If you want to buy it after you have tried it, and pay the cash price therefor, he will quote you a very low cash price, or if you would like to buy the piano and pay for it in monthly or quarterly installments, Mr. Thiery will sell you one on that basis, giving you two years' time in which to pay for it. Mr. Thiery points out that he is not offering you something cheap and unreliable, but a quality piano, at a fair price. When he makes one sale in your neighborhood, he expects to make many other sales. He tells about his pianos and his plan of selling in a full-page advertisement on page 32, and particularly requests that Kansas Farmer readers read over this advertisement and write him for his piano style book and catalogue. Either a postal card or letter request will bring it, or you can use the coupon which the advertisement contains. Mention Kansas Farmer.

Why Horses Should Be Clipped.

Horses represent a substantial investment and deserve good care. In their natural state they were not obliged to work. Since they are required to do labor they should be kept in the best condition for it. Few, if any, horses are at their best when the time of changing the coat comes. Unnatural conditions should be provided against by clipping. How to properly care for work horses is much better understood now than ever before, and those who have studied the horse most carefully and tried different remedies are agreed that a good clipping is very beneficial to work animals. The skin is a most important organ for the elimination of waste and it cannot properly perform its functions if it is not kept in a healthy condition, with pores open, etc. Animals performing work with a long coat suffer an unnecessary drain on the system. The sweat of the horse is not a simple mixture of water and salts, but of water, proteid and salts, and the observed loss of flesh which follows horses being worked unclipped, as was the practice a generation ago, is thus readily explained. The chances of chill following the return to the stable of an unclipped animal, with a long winter coat, have not been exaggerated. This covering, which, in a state of nature, was admirable, becomes, under artificial conditions, a source

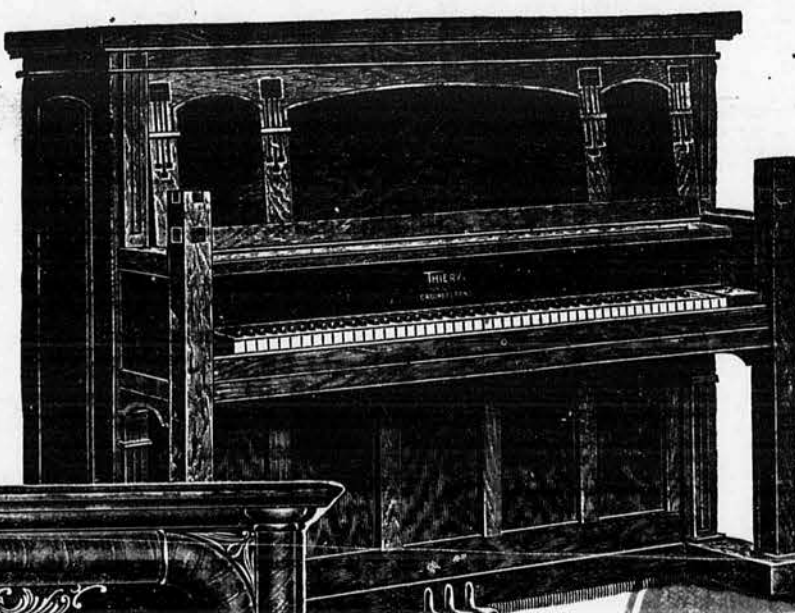
Good Things My Customers Say. Read Them:

Robert S. Harvey, Tigerton, Wisconsin, writes: "If you have any customers around here who are in doubt about the quality of your instruments, just tell them to write to me."

Mr. Harry Eide, R. F. D. 2, Granton, Wisconsin, writes: "I have saved at least \$150.00 by buying from you instead of from my dealer. I would not trade my Thiery Piano for any other instrument in this section."

M. R. Dilley, Magnolia, Iowa, writes: "The Thiery Piano cannot be beat by any of the higher priced pianos in this town. We figure that we have saved \$100.00."

L. Braden, Maroa, Illinois, writes: "The Thiery Piano which you sent to us is so much better than other instruments sold at similar prices, that we are sending you check in full for the instrument without waiting for the thirty days' trial."



The above is a small picture of my beautiful Mission Piano style 25, manufactured in fine silver gray oak and genuine mahogany. My price saves you over \$100.00.

Good Things My Customers Say. Read Them:

J. W. Clifton, Spring Ranch, Nebraska, writes: "We tested the Thiery Piano aside of another instrument costing \$150.00 more money and your instrument was pronounced much the best."

A. H. Jung, Elliott, North Dakota, writes: "We compared our Thiery Piano with other pianos sold in this locality and consider our piano worth double what we paid for it."

Jacob Timpe, Grand Ledge, Michigan, writes: "The Thiery Piano costing \$125.00 less than a piano one of my neighbors has, is considered far superior."

E. C. Adamson, Konawa, Oklahoma, writes: "Piano all O. K. Everybody likes it. You need never expect me to send it back."

C. C. Hammond, Brenham, Texas, writes: "We received the Piano all O. K. and are well pleased with it, and will forward you cash in full in a very few days. Your instrument deserves much praise."

F. Osberg, Fort Russell, Wyoming, writes: "We are so well pleased with the fine Thiery Piano that we desire to pay for it right away instead of waiting 60 days time."

The above shows Thiery Art Upright Piano style 40, an elegant instrument finished in genuine mahogany with an empire grand top. This, and all other Thiery Pianos fully illustrated and described in my style book.

And Now—Just Send Me Your Name For My Free New 1912 Style Book

Just write your name and address on the coupon below—check the book and plans you want—and by return mail I will send you everything postpaid. My style book shows every one of the new 1912 models of Thiery Pianos. It shows them in large full page pictures and gives a complete description and prints testimonial letters from my customers in every state in the Union.

One of my customers in Michigan writes to me after receiving a Thiery Piano: "The value you are giving me for the money I am giving you has opened my eyes. I see now what you mean by big piano profits. **More piano buyers should learn what I have found out.**"

It costs you nothing to find out how much better a Thiery Piano is than common made-to-sell instruments. There is a big difference in quality—just as there is a difference in price. And before you buy a piano or close a deal for one anywhere you want to know for yourself just what that difference

really is. More than one home in your locality has paid out good money for a common made-to-sell piano that they probably would sell right now at half the price originally paid for it. That is the result of buying a cheap piano that will not stay in tune and which costs money to have repaired every year.

One of my customers living at Colfax, Washington, in sending me a check in full for Thiery Piano style 30 writes—"Your Piano has been put in comparison with three other instruments costing over \$400 each. The verdict reached is that the Thiery instrument is not only the finer, but the material, the tone and action is much superior. **We have saved over \$100 by dealing with you.**"

There is "Nothing for you to pay for but quality" when you buy a Thiery Piano. That is all proved to your entire satisfaction right in your parlor at my expense, because I will ship any Thiery Piano you choose from my style book on

THIRTY DAYS' FREE TRIAL

every penny of freight charges prepaid direct to your station with a fine duet bench to match and a velvet cover. You have thirty days test in your parlor from the time you get the piano there—thirty days comparison with any other instrument you want to compare it with—then at the end of thirty days you decide for yourself whether you want to keep it or not. If you don't want to pay cash in full in thirty, sixty or ninety days' time, I will give you over

TWO YEARS' TIME TO PAY ME

You can arrange to pay me monthly, quarterly or half-yearly, or a dozen other ways. My special letter will go into details relative to this payment plan and show you how easy it is for you to have a Thiery Piano in your home without delay.

Over 7500 homes purchased Thiery Pianos and Organs from me during the year 1911. I do the largest business of the kind in the country. No matter where you live, I will ship any instrument you want, and at the end of a thorough trial and test, all you need do is return it at my expense if you do not find everything exactly as represented.

Every Thiery Piano is guaranteed as long as you keep it in your possession no matter whether it is twenty years or more. You are absolutely protected and a copy of this guarantee will be sent with my style book.

Fill out the coupon and return to me and you will receive the style book and full information at once.

If you want an organ, be sure to mention on the coupon so I will send you the right book. If you are going to have an instrument now or at any time in the future, before you lay this paper aside send the coupon in to me and get the information, because it will save you money.

J. B. THIERY
The Piano and Organ Man
Milwaukee, Wisconsin

Read below

What the editor of that well known farm journal—Iowa Homestead—says about music in the home. This article appeared on the editorial page of that paper in their issue of January 4, 1912. There are so many truths in it that I want you to read it over. If you haven't got a piano in your home, for your family and for your children, it is time you had it. It is the best investment you can possibly make for your home.

MUSIC IN THE HOME.

There is music at the theater, the saloon, the dance, the pool room and the moving picture show. These places recognize the drawing and holding power of music. Children like music and they should not be compelled to seek it outside the home. If father and mother have made no provision for music in the home they need not be surprised if the young people make heroic attempts to satisfy their craving for this form of pleasure. The home should be more attractive than the dance, theater or picture show. The influence of music will certainly tell in the formation of the characters of the young people.

Probably we have been interested in "saving," in getting the biggest barns and the finest houses while our children have been running from home to be entertained. There is the daughter whose fingers are tingling to touch the keys of a piano. The boy, too, has longed to play the guitar and mandolin until in his dreams he is touching the chords of these instruments, making music as sweet as that of an aeolian harp. The boy and girl ought to be considered, whether the farm equipment is the best that money can buy or the buildings about the place the best in the neighborhood.

Music in the home is refining and uplifting. The singing of the young folks will drive dull cares away from the hearts of the parents. In these days it is not even necessary to wait for pleasure on the developing skill of the young people, because the introduction of the graphophone and the mechanical piano player has brought the world's best music into the humblest home. Compare the price that one would put upon the head of a beloved daughter or upon a faithful son with the cost of an instrument or even with the cost of a musical education and these latter things may not then seem so out of reach. We hope that the day is not far distant when every child will have its musical talent developed and its craving for musical pleasure satisfied in the proper way and in the right place—the home.



Here's a small picture of the Thiery 88 Note Player Piano—a magnificent instrument without any knowledge of music you can play on this instrument like an expert. It is easily changed into a piano for hand playing. If you are interested in player pianos, let me know and I'll send you complete particulars.

My Piano Style Book

shows every one of the beautiful 1912 designs of Thiery Pianos side by side in large, beautiful engravings direct from photographs. Prints testimonial letters from my customers in every part of the country. You'll find them interesting reading.

This coupon brings you my New 1912 Style Book—Plans and Trial Order Blanks—Special Letter with Order—You receive full particulars at once, postpaid.

J. B. THIERY, The Piano and Organ Man, Milwaukee, Wis.—As you advertise in **KANSAS Farmer**, send to me by return mail, postpaid, free of any obligation on my part, your large illustrated Style Book as checked below, with your **FREE TRIAL ORDER BLANKS**, rock-bottom prices direct to me and complete particulars of your money-saving buying plans.

- ☐ PIANO STYLE BOOK
☐ PLAYER PIANO BOOK
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NAME _____

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