

KANSAS FARMER

FOR THE IMPROVEMENT



OF THE FARM AND HOME

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Home Comfort Obtained by Home Efforts

Installing A Private Water System

W. B. WALLACE, Buncton, Mo.

When I began figuring on putting water in my residence, which is a large one built with heavy timbers after the style of many years ago, I soon saw that I should have to overcome difficulties not to be found in installing a system while the house is being built, or even in putting in water in a more modern house. But I was not discouraged. I wrote for a number of catalogues and read one or two books on plumbing, but I soon found that, after all, most that was needed was care, thought and a reasonable amount of mechanical skill. So I went to work. The result was that without ever having had a professional plumber in the house, I installed a water system—with bathtub, toilet and wash basin in the bath room; sink in the kitchen, and wash basins with hot and cold water in bed rooms—that, after more than a year's use has given general satisfaction. I may say just here that when the water was first turned on there was not a leak anywhere. Mine is the pressure tank system, the water being pumped into the tank, which is 8 feet long and 42 inches in diameter. It is easier to pump water than air. Then, it is much easier to get a pump that will work satisfactorily with water. My tank is made to withstand a pressure of 150 pounds to the inch, but a 40 pound pressure will be found sufficient for all needs, sending the water with force to all parts of the house. The tank is in a south basement where there is little danger of freezing. It is always fortunate, as in the case in my house, if the kitchen is also in the south part, so that the tank and heater may be close together. It is a mistake to buy a tank that is too small. I would recommend one holding 750 gallons or more. I much prefer the pressure system with tank in cellar, rather than the elevated system, which is subject to change in temperature. With the tank in the cellar, the water is cooler in summer and warmer in winter. It is not exposed to the sun, so there is no green scum (*Protococcus Viridus*) to bother.

My experience has convinced me that, under ordinary circumstances, the average farmer with some mechanical skill may do his own plumbing, if not too complicated. Two pipe wrenches and a few small tools are all that are required.

I used about 300 feet of piping in my house. One-inch galvanized piping costs, ordinarily, 6½ cents per foot. Never put in less than one-inch main pipe, and 1¼ inch is better. A 750 gallon pressure tank should cost about \$80 wholesale, or, at retail about \$100, delivered. A hand pump, such as I used until I bought a little gasoline engine, costs \$6 or \$7. A gasoline engine, if bought new, with pump will cost from \$50 to \$60. One man by pumping fifteen minutes per day can keep up enough water for a family of six people. With a small gasoline engine, a few minutes' pumping twice a week will run the same family. The final cost of a complete water system will depend entirely upon the individual taste and pocket-book—say \$200 for plain fixtures up to \$600 or more for something more pretentious. Just here let me say that it will pay to buy good heavy

bowl, basins and fixtures of all kinds. They need not be showy, but they should be substantial.

All pipes should be put in with red lead, and all fittings screwed tight. Have no flat pipes. Have them laid elevated, or slanting, so that when you want to drain them all water can be made to flow back to tank or drain system. This is important. There should be one main pipe (1 or 1¼ inches in diameter), leading from pressure tank almost to cooking stove or range, where it branches. One branch conveys the water through the heater, then to the hot water tank, and from it to all parts of the house, paralleling the cold water pipe throughout its entire length. By saying parallel, I mean that the pipes should be placed within a few inches of each other—say 5 or 6 inches, but not so near that the hot water will heat the cold, or vice versa. When

it is necessary to run the pipes very close together a board partition may be used.

In laying out plans for your system make no more turns in pipe than are necessary. Where branches are made for wash basins and the like, smaller pipe may be used than for the main pipe. Pipes may also decrease in size as the distance from the pressure tank increases.

The kitchen sink should be as close to the main out-door sewer as possible. All slush water should pass out in order to keep the pipe clean, as grease causes most of the trouble.

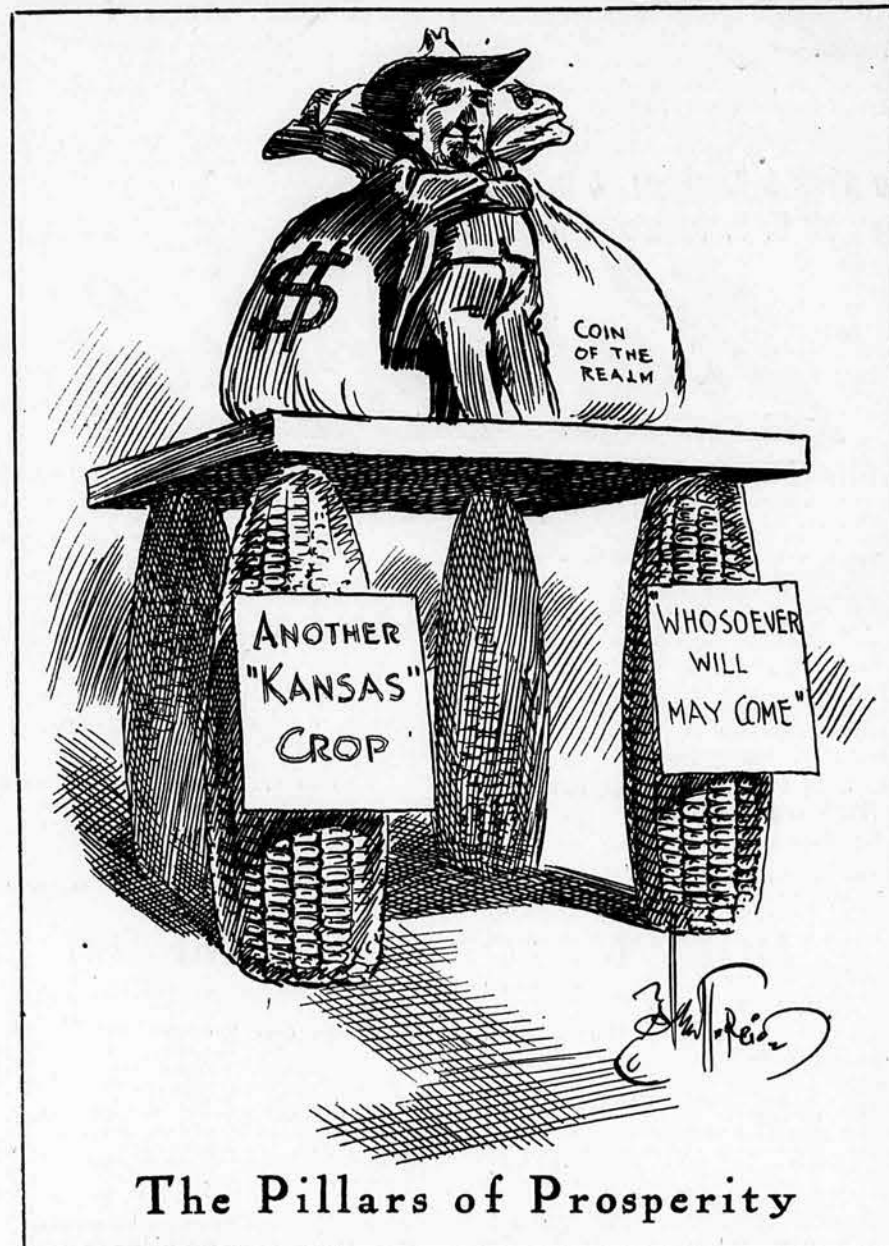
Where water pipes pass from the ground up into the house a box should be made around them and extending at least two inches from all pipe. This box should be filled with melted resin. A box at least two feet square should then be made around it. Fill this box with stable manure, one of

the best known materials to keep water pipes from freezing. Remember, after a year or two, to look into the top of the manure box to see that it is full, as the manure may have settled. If so, fill to top and pack tight. Do not use asbestos or mineral wool. Mineral wool is one of the best cold conductors there is, as used in cold storage, but is of no value in causing a body to retain heat. It is just as important to pack the hot water pipe as the cold, as the hot water pipe will always freeze first, as the mineral life is dead in it, caused by intense heating.

Where pipes are run along under or just above floors in rooms where fire is not continually kept up a good idea is to box them in with sawdust. In running pipes along floors, as just referred to, they should be elevated a little, so that they will always drain back to the pressure tank. By having a drain pipe from the low point in the pipe line and leading to the sewer, the entire system may be drained by turning the stop in the drain, and turning stop cock off in pressure tank so you need not drain the pressure tank. This may, when extreme cold snaps come, prevent the annoyance and expense of bursted pipes.

Soil pipe should be used in and under the house exclusively. Do not depend on drain tile, for fear of leaks. I would advise that drain tile be used outside of building. If it is used under the house it is liable to crack and causes a seep which might result in a typhoid fever epidemic. The soil pipe should be calked tight with lead and all joints should fit perfectly tight. All discharge from wash basins, sinks, stools, etc., should be made into this pipe. The main soil pipe should be four inches in diameter. Wash basin pipes need not be larger than two inches. Be careful that connections are made tight into the main sewer pipe. The drain pipe should always enter the main sewer pipe on top, so as not to interfere with the passage of soil. The soil pipe in and under the house should have a fall of at least one inch to the foot and more is preferable. Where it enters the outside of the building one-half inch to the foot is all that is necessary. A large drain tile—say six inches—is never an objection, and may save a great deal of work afterwards. If any drain pipes pass well or cistern, you should use iron soil pipe well calked, as any seepage from drain pipe might cause typhoid. Soil pipe fittings should always be used where one pipe enters another. Where soil pipe enters tile at foundation of house a soil pipe trap should be put in to prevent gases from sewer pipe from passing into house. A good idea is to run a piece of soil pipe, with a plug in it, up above the ground so that you may at any time pour water into it and flush it out. Where the closet is attached to soil pipe a branch should be put in, and run out through top of house in order to allow the gas to pass out, also to keep down noise from closet as this stops the suction noise that sounds through the house. A cover, similar to those used on ordinary flues, should be put on this pipe to keep out sparrows and any sticks that might fall in, and to allow free passage of air. It is always a good

(Continued on page 14.)



The Pillars of Prosperity

Never Before Such a Car at Such a Price; With Such a Guarantee

The Car

A 110-inch wheel-base, four cylinder, four passenger Touring Car, with 30x3 inch front tires and 31x3 1-2 inch rear tires and a speed capacity of 40 to 45 miles an hour; 20 h. p.; sliding gear transmission; multiple disc clutch; Bosch magneto; offset crank shaft. Upholstered in No. 1 machine buffed leather, tufted.

The farmer has never been able to buy, before, a four cylinder, four passenger touring car with 110-inch wheel base for \$900.

Up to the present time there's been no such car in the market. But you can buy one now.

The farmer has never been able to buy before a 20 horse power touring car good for 40 miles an hour with a sliding gear transmission for \$900. But you can buy one now.

The farmer has never been able to buy a car, at any price before, which the maker would guarantee beyond a year. But you can buy one now.

The farmer has never been able to buy a car in which the maker would make good any defect two, three, four, five or six years, after you got it. But you can buy one now.

The farmer has never been able to buy a car like this which would cost you only 20c to 25c a day to keep. But you can buy one now.

THE GUARANTEE

This guarantee is explicit, unqualified and binding. It covers the entire life of the car, no matter how many different people may own the car. It means that during the life of the car, the Hupp Motor Car Company guarantees the car, in all its parts, and the accessories against defect of material or workmanship. The guarantee reads:

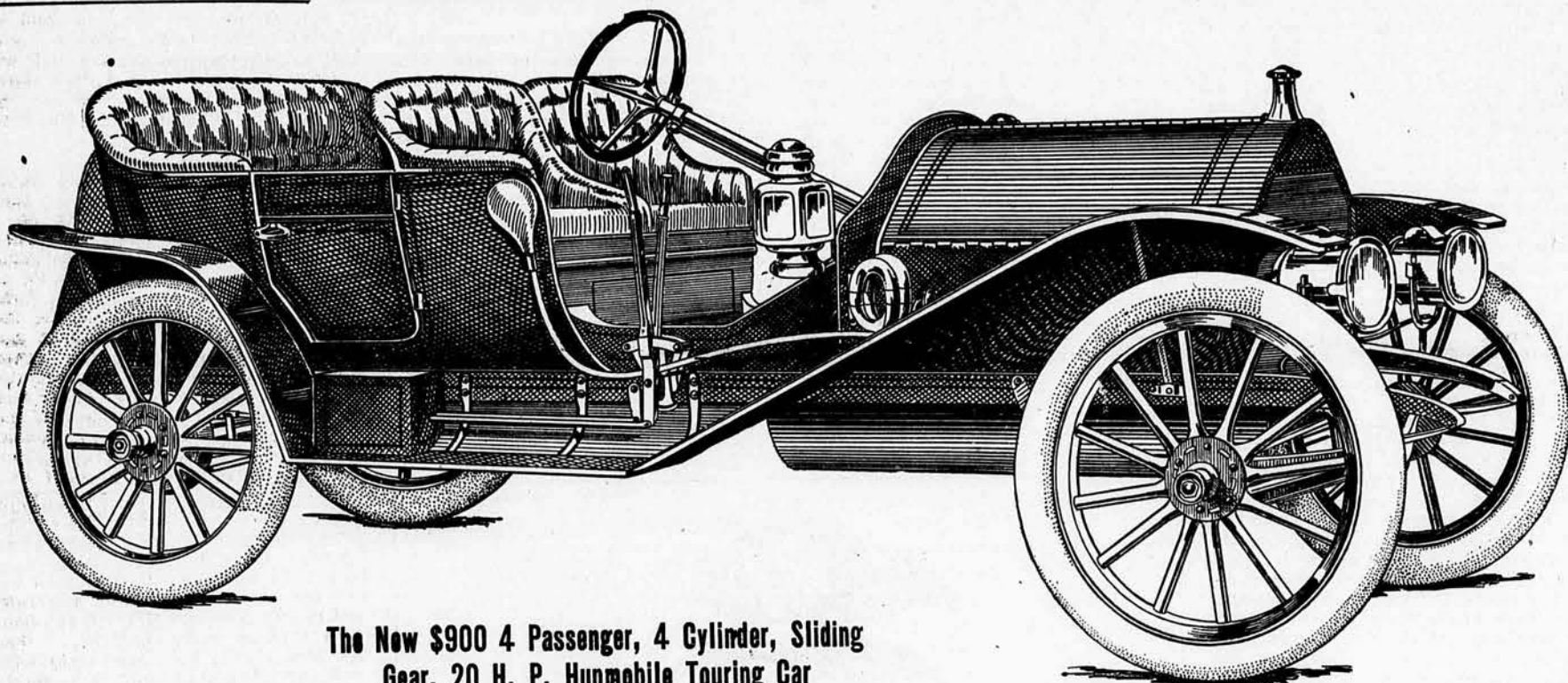
The Hupp Motor Car Company guarantees the Hupmobile from defects in material or workmanship, during the life of the car, and will replace, free of charge, any such defective material when returned to its factory for inspection, transportation prepaid. This guarantee does not cover tires.

R. B. Hupp
Gen'l Manager.

The Price

\$900

F. O. B. Detroit with three oil lamps, two gas lamps, piping and gas generator, shock absorbers on front springs, horn and tools.



The New \$900 4 Passenger, 4 Cylinder, Sliding Gear, 20 H. P. Hupmobile Touring Car

Hupmobile

Back of this New Hupmobile 7500 Other Hupmobiles; and not a Second-Hand Hupp in all America

This \$900 Hupmobile Touring Car, with 110 inch wheelbase, is the result of the success of 7500 Hupmobile Runabouts running in every State and Territory in the Union.

The new "square-deal," life-long guarantee is the outgrowth of the experience which the Hupp Company has had with these 7500 owners.

These 7500 Hupmobiles, in material and construction, are \$5,000 cars on a smaller scale. They have gone everywhere and done everything. They have crossed the deserts of Arizona. They have traveled from Detroit to New York in last winter's snow storms that stalled the railroads. They have traversed roads that no automobile ever traveled before. They have climbed mountains that no automobile ever climbed before.

The new \$900 Hupmobile Touring Car is bigger, and, if such a thing is possible, even stouter, stancher and stronger than the Hupmobile Runabout. That explains the "square-deal" guarantee. The Hupp Motor Company is willing to stand back of the car because it knows it is right.

The New \$900 Touring Car Will be Delivered to the Dealer Near You November 1st—Write us for His Name and See Him at Once if You Want a Car This Fall

We are serious in urging every farmer to see the nearest Hupmobile dealer at once. We believe that 150 cities should absorb, within 30 days, all the new cars we can build in three months' time.

Hupmobile production, large as it is, has never kept pace with Hupmobile demand. Your dealer will buy a large quantity; but you should help him to insure you against disappointment by an early order. He will number your reservation in the order in which it is received, and if you choose to cancel later on, your place "in line" will be allotted to someone else.

If you want any further assurance of the value of this wonderful new Hupmobile than is given by the sweeping guarantee, which covers its entire life-time, a word or two about the Hupmobile Runabout will not be out of place.

The other day a Hupmobile in California fell over a cliff 500 feet high. It cost the owner just \$45 to put it back in perfect condition.

There is not a crippled Hupmobile in America, unless it has been crushed in some accident.

There is not even a second-hand Hupmobile. Year-old Hupmobiles command pretty near full price list. Every "Hupp" that started going three seasons ago is still going.

Hupmobiles, because of their readiness, are probably kept more continuously in commission than any other make of car—yet their repair expense is ridiculously low and a discontented Hupmobile owner is as rare as a white blackbird.

The average cost of upkeep to the Hupmobile owner who keeps his car at home is 20 to 25 cents a day.

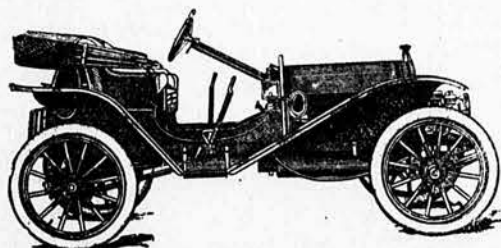
HUPP MOTOR CAR COMPANY

Licensed Under Selden Patent.
DETROIT, MICHIGAN

Desk 47

These Cities Will Receive Hupmobile Touring Cars November 1st:

Atlanta, Ga.	Detroit, Mich.	Montreal, Quebec.
Anaconda, Ala.	Erie, Pa.	New York, N. Y.
Baltimore, Md.	Indianapolis, Ind.	Nashville, Tenn.
Boston, Mass.	Jacksonville, Fla.	Natchez, Miss.
Buffalo, N. Y.	Kansas City, Mo.	New Orleans, La.
Bozeman, Mont.	Hickman, Ky.	Omaha, Neb.
Chicago, Ill.	Little Rock, Ark.	Oskaloosa, Iowa.
Cincinnati, Ohio.	Louisville, Ky.	Oklahoma City, Okla.
Cleveland, Ohio.	Los Angeles, Cal.	Philadelphia, Pa.
Columbus, S. C.	Memphis, Tenn.	Portland, Ore.
Charlotte, N. C.	Mexico City, Mex.	Pittsburg, Pa.
Davenport, Iowa.	Milwaukee, Wis.	Plainfield, N. J.
Dallas, Texas.	Minneapolis, Minn.	Robinson, Ill.
Denver, Colo.	Mobile, Ala.	San Francisco, Cal.
	Macon, Ga.	



Hupmobile Runabout

\$750 F. O. B. Detroit, including three oil lamps, tools and horn. Top, gas lamp, tank or generator, trunk rack and speedometers extra.

Hupp Motor Car Company,
Desk 47,
Detroit, Michigan.

Send me your large folder describing the new \$900 4 passenger, 4 cylinder, sliding gear, 20 H. P. Hupmobile Touring Car, and give name of nearest Hupmobile dealer.

Name

Address



ALFALFA OR CLOVER.

Alfalfa has been exploited to such a degree in Kansas that the name of the plant and the name of the state have become almost synonymous. Yet in spite of this and in spite of the fact that Kansas now has 1,000,000 acres in alfalfa there are many localities in eastern Kansas where the farmers say it cannot be grown. In such sections the farmers content themselves with wild grasses or timothy or else raise red clover under the impression that it is "just as good."

One of the distinguishing characteristics of the average Kansan is that he is not content with anything that is "just as good" but wants, and usually gets, the real thing. To most of us alfalfa is the real thing and we wonder why farmers who do not raise it have not put forth a greater effort. For instance, it has been said for many years that alfalfa could not be profitably grown in Atchison county and yet one of the most successful and enthusiastic alfalfa growers in the state lives and farms in that county. But the question is to learn why alfalfa will not grow in some eastern Kansas counties and, if this be true, to learn whether the fault lies with the soil and agricultural conditions or with the farmer himself. Alfalfa grows in western Missouri, southern Nebraska, northern Oklahoma and pretty nearly all of Kansas. Eastern Kansas is surrounded by it and sprinkled with fields of it and this fact leads to the belief that the reason may lie with the farmers and not with the land.

If alfalfa will not grow in these sections of eastern Kansas and red clover will do so, then there must be a dividing line somewhere in the soil composition or condition which marks the boundaries between these two members of the clover family and which has not yet been discovered.

It has come to be an axiom that alfalfa will grow anywhere that corn will grow. This may not be exact but it is nearly so, as both crops thrive best on good land and such land is abundant in eastern Kansas.

At any rate, the fact that alfalfa is not grown extensively or at all in certain sections while red and other clovers are grown there, has been considered enough of a problem by the United States Department of Agriculture to warrant it in sending out an expert official as an investigator. Mr. J. M. Westgate is now in Kansas seeking a solution to the question of why one of these clovers will grow and the other will not in certain localities and to find out the line of demarcation between the two and the causes for it.

The Shawnee Alfalfa Club has made a diligent study of alfalfa during the past four years and has discussed nothing else at its monthly meetings. Its membership is located in those counties where both these clovers thrive. During its activities this club has found several problems which are as yet unsolved but only two which appear to be unsolvable in the light of present knowledge. One of these is that referred to above and the other is as to whether alfalfa is a soil fertilizer or a soil stimulant.

This latter problem was propounded to the government expert, who stated that he could not resolve it and that perhaps no one could at his time. He has included this question in the problems for which he will seek a solution and results may be expected in time.

Both these questions are very important. Alfalfa is now given a first place among agricultural plants and if there are certain isolated sections in the alfalfa region where it will not grow but where other members of the same botanic family will grow the reason for this fact is of much interest. If the influence exerted by the alfalfa plant upon the soil is that of a stimulant and not that of a fertilizer it becomes a matter of vital importance.

American manhood means rural manhood, and rural manhood means the ownership of the land. The question of speculative ownership of land and absentee landlordism must become a matter of congressional action and the sooner this is taken the bet-

KANSAS FARMER

EDITORIAL

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KANSAS FARMER COMPANY, TOPEKA, KANSAS.

STATE SELLS ELECTRIC POWER.

The Province of Ontario, Canada, has undertaken to generate and sell electricity for light and power purposes over a territory that is about 300 miles long by 60 miles wide. The original investment in the power plant at Niagara Falls is a heavy one but as this is shared by the several towns of the territory, and as the expense of operation will be very small, it need not become a burden. The estimated cost of the plant is \$11,909,100 for the development of 100,000 horsepower. This power will be sold by the provincial government to trolley lines, manufacturing plants and farmers. Thus is the farmer brought more closely in touch with the world and his lot bettered by being supplied with cheap power by his government.

When the idea embodied in the correspondence school was first proposed it was made the butt of considerable ridicule. The basic principle, however, was found to be correct, both in theory and practice, and it has now been adopted by many of the larger colleges and universities. In Maryland there is one institution of standing which applies this idea of teaching to the training of children between the ages of 6 and 12. Of course the work is carried along with the aid of a parent or guardian, but it is said to be very successful. The Kansas Agricultural College has adopted the same idea for the teaching of agriculture and home economics. The idea is right.

It is said that the census is likely to show a discouraging increase of tenantry and of absentee land ownership. With the giving out of the free land of the west the speculators and absent landlords have begun buying large tracts in the south and this, coupled with the fact that many farmers have ceased active farm work and moved to town, has caused this bad showing in the census returns. Speculators' land and that owned by absent landlords is almost never cultivated properly if at all, and hence our contention that there is plenty of land for all farmers, and that not one-tenth of the land is properly cultivated. The ownership of the land is the first condition of national health and character.

In spite of the "drudgery" of farm life the farmer is the only man who can retire from active work. How seldom do we see or hear of a mechanic, a merchant, a manufacturer, or a professional man retiring on a competence or before age compels him to do so, and yet the smaller towns and cities are full of retired farmers. The drudgery of farm life is no greater than that of any other life and is not drudgery at all if it pays in money, in health and in enjoyment.

SWAT THE FLY.

Today, as never before, the common house fly is attracting the attention of all who have the interest of good health and the prevention of contagious diseases at heart. Of all the animal or insect life with which humanity comes in contact the fly is the most filthy. Of all the instruments for the spread of dangerous contagious and infectious diseases he is the most efficient. Our government has done a most wonderful work in the canal zone by the eradication of the dread plague of yellow fever and it did so by the destruction or control of the flies and mosquitoes, together with the sanitary methods which go with that work. Flies breed in manure, garbage or other filth, and where these do not exist there are no flies. The manure spreader will go far towards the prevention of their breeding by removing the only place where they can breed about the barn. Garbage can be treated with kerosene oil, blue vitriol water, bleaching powder, crude carbolic acid or lime to prevent their breeding. Windows and doors should be screened and any flies which may be in the house destroyed by burning carbolic acid on a hot shovel, the placing of bichromate of potash in water with a little sugar in saucers about the house; the mixing of a spoonful of formalin with a glass of water and allowing the fumes to destroy them or the burning of pyrethrum powder on a hot stove or iron plate, and sweeping up the stupefied flies. None of these are dangerous to handle except the carbolic acid.

Look to your fire insurance policy. Many such policies are so worded that they do not promise any definite return to you in case of loss by fire. See if, instead of the insurance company promising to pay you \$5,000 in the event of the destruction of your house by fire, it only promises to pay "not to exceed \$5,000." If your policy reads that way you had better get into another company, but in doing so find out from the State Department of Insurance whether the company stands well, whether it fights claims, and whether they try to settle claims by issuing stock in their company instead of paying cash. If they do these things go elsewhere.

Within the past decade a million new farms have been established in the United States, and our farm products have more than doubled, but the increase in consumption of food products has grown so much more rapidly that prices are high and this country is becoming an importer of food stuffs instead of an exporter. Intensive methods of farming and the use of machinery is the only solution of the problem which now threatens to make us hungry. A gasoline engine costs about \$60 per horsepower. A horse costs \$200.

GRANGE FAIRS.

Wherever the Grange exists the farmers flourish. There has perhaps never been a single influence that has been so potent for good to its members and the community as the Grange. Its influence has done more to solve the problems of rural comfort, good living and contentment on the farm than any other because it brings about a unity of purpose and a community of interest.

Shawnee county, which is one of the richest and best in the state, has three granges, and to these must, in no small degree, be credited the present high mental and financial standing of her farmers. Activity in the work of the Grange brings its own rewards and many of them. Its public meetings and fairs serve to bind the members more closely together in their good work and to interest outsiders.

For several years past several of these local granges have held agricultural fairs in which premiums have been offered for farm and domestic products and live stock. These have been so successful that they will be continued and announcements are now out for the Dover grange fair, to be held on Friday and Saturday, October 7 and 8, with a full list of premiums. This fair will be preceded by the fifth annual fair of the Indian Creek grange, which will be held on Thursday and Friday, October 6 and 7, at their grange building four miles north of Topeka. These fairs have proved so successful that entries from other counties and even from other states are made.

Many people in the cities think that they could do wonders if they could get out in the country on a farm and make the dirt fly. They would find out very early in the game that running a farm means a lot of hard work, while the constant fight with insect and fungus pests and the uncertainties of the weather is not always successful. On the other hand, the farmer sometimes thinks that he could make money faster and a lot easier if he would move to the city. Both are wrong, and both would fail if they exchanged places. They each lack experience in the ways and methods of the other, and without this neither could succeed. Study your business and get to the top in it but do not change.

The boy who has engaged in a corn contest, whether successfully or not, has gained practical training of far-reaching value and lasting significance. He has been brought in touch with the great natural laws on one hand and with modern science on the other. He has been led to work and think, to apply knowledge to the most practical affairs of life. By his own efforts he has made a crop and dignified with greater respect for his books. He has established in his own mind for all time the relation of theory and practice. He goes back to school with greater respect for his books. He has been developing manhood and sterling citizenship and learning the real nobility of toil.

Of late there have been stories current to the effect that the farmers have gone "crazy" over automobiles, that they are mortgaging their farms to purchase them and that this action will have a very depressing effect upon the general business conditions of the country. This is all rot so far as the farmers of Kansas are concerned. Our farmers are buying automobiles, and large numbers of them, but they are paying cash and are not crippling their credit in the least. The farmer buys an automobile just as he buys a thrashing machine, because it is a needed farm implement and not because he wants it or uses it for joy riding.

The use of electricity on the farm is sure to become more widespread as its value is more appreciated and as its production becomes cheaper through the perfection of generating methods and machinery. At Manhattan there has just been completed an electric plant where power is generated at a river dam four miles from the city. The trolley system, the city lights and various manufacturing plants are now supplied with current and it is proposed to supply farm-

Conservation Through Cement Concrete

The New Rock of Ages Saves Many a Farm Waste

The problem of conservation about which one hears so much of late is as old as human endeavor. No period in man's history has been free from it and every nation has had to face it in an acute stage.

America is said to have been wasteful of her natural resources, and must now make amends. The lavish wealth of Nature's gifts were dissipated with lavish hands, and we must now replenish her stores by human aid or await her slow processes. Our immense wealth of forest, grass, minerals, coal and gas must be restored by human ingenuity or their substitutes found. We must have them.

And yet this history of spoliation could not have been otherwise. It has been the experience of every civilized people on earth, and the period through which we are now passing is but a repetition of the story of other lands and other peoples.

The pioneers of America came to these shores a dependent people. They had for their resources their inherited energy and the natural wealth of the country. They were poor in purse and this natural wealth was theirs for the taking.

The peopling of America was a gigantic business enterprise and, like any other successful business undertaking, it was made to pay its own way. America might have been peopled, her cities built and her farms broken out by aid of wealth supplied by the old country, but it would have impoverished all Europe to do it and the results would have been meager. As it is, she has built an empire out of a wilderness and men out of immigrants.

America today is in a transition stage. Her first wealth of forest and fertility has been used in building the nation, and her natural resources no longer serve to supply the demand of her ever increasing population. Her infancy and childhood have been spent largely in growth, and the consumption of those natural products which fostered it. Her maturity must be spent in labor to supply her needs and preserve what remains to her of her original endowment. Her best implement at command is the brains of her people.

Wood is a necessary factor in our economy, and brains have supplied the means and methods whereby our denuded forest areas may again be covered with a better quality if not a larger quantity than that which nature furnished. Our lives depend upon water, and brains determine new ways of procuring it and new ways of conserving it to our advantage. The metals are the basis of much of our material progress, and brains have served to find new supplies, new kinds, new methods of ore reduction and new combinations. The world is full of wonders that have been evolved by the human brain, but in no place has the wonder grown as in the evolution of building materials.

Cement concrete is as old as Rome and as lasting. It has been known for ages, yet in its general use in America it is but a new thing. The more its qualities and possibilities are studied, the more wonderful it becomes in its adaptability to the necessities of our country in its transition period. In a general way it is understood that it may be used to take the place of wood, structural steel, brick or stone in building operations, and in doing this it has proved itself to be cheaper, more lasting and more beautiful than either. In a general way it is thought to be so valuable that new buildings and modifications of old ones are planned for the future, but only to take the place of those which are worn out or which are demanded by increased business. Its adaptability to the conservation of farm resources has hardly been thought of and yet it is a wonderful thing here as in other fields.

The illustration given herewith may be taken as a case in point. It shows a double dam built across a ravine to restrain the storm waters and create a stock pond. In this particular case the pond covered some twenty acres and was fed by springs so that it was available as a water supply from which to pump water for the feed lots and barns. The reason for the double dam lies in the inefficiency of rock for such purpose and the perfect adaptability of cement concrete. The dam as originally built, and as seen in the rear of the picture, was made of stone. This was never satisfactory because it would not restrain the water and was frequently washed out in flood times. The owner found it cheaper to build the second dam of concrete in the new location than it was to tear out and rebuild the old dam. The space between the two

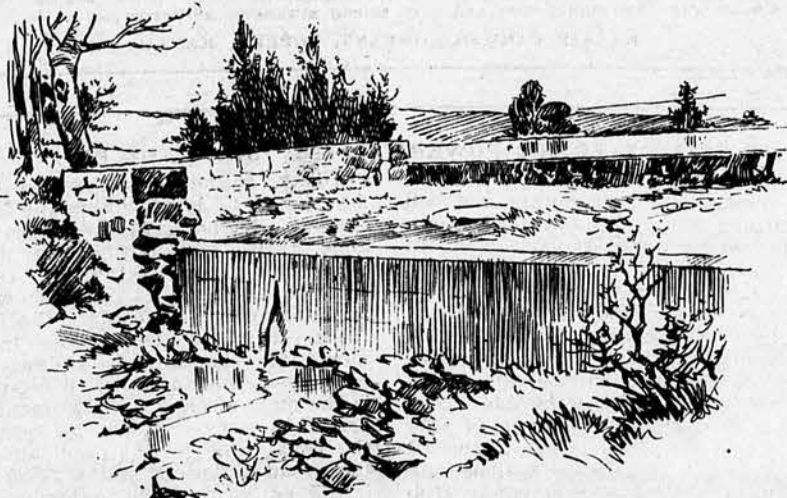
has gradually filled up with silt from the overflow and at times can be used as a driveway.

The concrete dam shown in the foreground was constructed by the aid of ordinary farm help, and has proved perfectly satisfactory. The waters behind it now form a permanent lake which is a decided addition to the picturesque landscape and of immense value as a water supply for the farm. It is located on land that could not be otherwise used, and is here given as an illustration of the high advantages possessed by concrete construction over that ordinarily used. Here is a conservation of farm resources that could not have been made so permanently secure in any other way. An earth dam would have needed rebuilding each season. The stone dam shown in the picture was but little more efficient, although a great deal of labor and material had been expended in building it. The concrete dam has solved the problem for all time.

There are a thousand other ways in which this same material may be used

ding he not only has a clean and sanitary place for his cattle, but he may preserve all of the manure for use on his fields. The same thing is true in regard to barn floors. A well built concrete floor, with drop gutters of the same material leading into a concrete manure pit, gives the farmer a means of added wealth in the conservation of that which has been wasted heretofore, that he has not previously enjoyed.

The use of soft water for lavatory and laundry purposes is a thing almost unknown to city people. It is a luxury which the farmer can claim as his own. The ordinary cistern for holding rain water is built under ground and walled with brick or stone which is thinly coated with cement to prevent leakage. A knowledge of the material has taught him that he may now build his cistern above ground and connect with the kitchen sink or the bath tub, so that pure soft water is available by simply turning the stop-cock. It costs no more and adds a luxurious feature which is only available outside of the city.



Concrete Dam Replaces Stone on a Kansas Farm.

in conserving the farm resources, but the idea underlying all of them is that of permanency. The farmer decides that he needs a watering trough in a certain place and with the aid of his help and his knowledge of this material he builds it of concrete, lays his pipes to and from it and his work is done. It is not necessary to renew it in his lifetime or that of his son. The only reason that could spring up for its removal at all would be the necessity for a change in location.

The time was when the farmers of Kansas used corn for fuel, but that time can never come again. Corn is worth money, not only on the market, but for feeding the live stock which must in the future be raised on the farm to supply our demands for meat. In times of cheap corn and cheap land the hogs were fed in the hog lot. Half the corn was wasted in the mud, and when the hogs were turned to pasture in the spring the hog lot grew up thickly with corn. This waste was prevented in part by the building of board platforms, but it only saved a little. The boards rotted, the heat caused cracks to open and the rats infested the place and ate as much as the hogs. There was always present the danger of disease germs lurking in the board platform, which could not be perfectly cleaned or disinfected. The building of a concrete feeding floor removed all of these objections, made a sanitary feeding place, got rid of the rats and saved all of the wasted corn.

To find out just how profitable his feeding operations were and to determine accurately the value of all he may buy or sell, the farmer needs a good set of wagon scales. Whether these are mounted in a pit or not a foundation of some kind is necessary, and if this is properly laid in concrete he knows that his scales are always in true, that they do not vary because of shrinkage of material, the sinking of foundation walls or the warping of construction timbers.

His success in building a feeding floor for his hogs leads him to see the advantages of a cement floor for his cattle sheds. Heretofore these have been so wet in bad weather, so foul with manure or so dusty in dry times that they have added but little to the comfort of the animals, and success in breeding or feeding any class of animals depends on keeping them comfortable all the time. With concrete floors and plenty of bed-

and pure air. The reason for this has been found largely to be in the unsanitary conditions which too often prevail on the farm. The manure is piled on the ground where the seepage may penetrate the well. The same is true of the outbuildings, and both furnish breeding places for the millions of flies which are now known to be the worst conveyors of disease germs. The cement platforms about the wells, the cement feeding floors, stable floors, and manure pits, serve to remove all of these objections and prevent the ravages of typhoid and other dread diseases which work such havoc in farm communities whose inhabitants did not know they were in danger until stricken. With the installation of the modern earth closet and the building of cement sewage pipes to carry the waste from the kitchen and out-house to a septic tank, these dangers are removed.

The farmer who produces the largest crop is not always the one who makes the most financial progress. Profit in farming is a matter of keeping down expenses as well. Concrete structures when once built call for no further expense and many a farmer will learn that the gravel bed in the creek is worth vastly more to him than are many gold mines. The business man on the farm realizes that a hundred dollars spent in repairing and another hundred in repainting each year soon amounts to a considerable sum. If figured at 6 per cent interest these expenditures at this rate would total nearly \$12,000 at the end of twenty-five years. Instead of leaving this as an inheritance for his family, he has been expending it to stop annual leaks.

After the American farmer has cared for his live stock and his implements, he then thinks of building a house for himself. The Government officials state that the annual loss of farm houses by fire in this country would amount to \$2.50 for every man, woman and child if distributed among them, while to the farmer who loses his home it means the wiping out of a lifetime of savings.

The modern farmer pushes the pencil as well as the plow, and results show that concrete construction in the country is the greatest money saver and hence the greatest money maker of the times.

The Business of Selling.

Most breeders find their best and most profitable customers among those who live at a distance and who either order by mail or visit the breeding farm with money in their pockets with which to buy. Almost no breeder who succeeds has his best customers among his neighbors and the man who takes the trouble to travel a considerable distance to visit a herd is pretty sure to buy if he can be anywhere near suited.

For these reasons and because it is the most economical method, the successful breeder always uses his favorite agricultural and live stock paper in which to advertise. By doing this a very large audience is secured at once, and at a very small expenditure of cash. Advertising in a good live stock paper costs very much less than does the posting of handbills about the country and the results are infinitely greater.

While this method is generally adopted and generally successful, there is occasionally a new breeder or one who lacks skill as a salesman who will complain that he cannot sell live stock by advertising. He will admit that he receives inquiries but complains that after answering these he gets no further response. Such a man needs to train himself in salesmanship. He has good stock that is well bred and in salable condition. He advertises in a good paper which brings replies. He has both the desirable goods and the willing purchaser and yet he cannot make the sales. Where is the fault, if not in himself?

If he will be careful to state only facts about the condition, age and size of the animal and will then give the breeding, color, markings, etc., and, in case of sows, will state whether they are gilts or mature animals, whether annual or semi-annual breeders, number of pigs to litter, and number raised, whether she is a good mother and what sized litter she is out of and all other necessary facts in his first letter, he will save postage stamps and make buyers. The buyer has a right to know these things and he gets out of patience if he has to write several times to get them.

Modern methods on the farm provide for a constant battle with insects, fungus and germ diseases. The farmer who realizes that this is an unending struggle and prepares himself for it has his battle half won. Preventive dips and sprays, when used at the proper time, obviate the necessity of more frequent use and insure the better health of live stock and crops. On most farms where hogs are raised there is located a dipping tank. This may be constructed of galvanized iron, wood, brick or stone, but in either case they must be thought of as temporary at best. If built of cement concrete it becomes a permanent fixture into which pipes may be laid for drainage if thought wise.

With the increase in price of lumber and its slow production by natural means the question of supplying necessary fence posts on the farm becomes an important one. Osage orange is highly valued for its lasting qualities, but is objectionable otherwise. Catalpa is used in many places as are native woods, but these are expensive to buy and slow to grow. In some sections of Kansas native stone is used for fence posts, but the action of moisture and frost at the surface of the earth soon puts them out of business. The yearly cost for upkeep of fences on the farm is a considerable item which can be provided against by building permanently in the first place. Next to his house and barn if there is any one structure on the farm that should be permanent, it is the boundary fence. Good fences not only conserve the property enclosed, but they conserve good neighbors and friends as well. The whole question of permanent fencing is easily and permanently solved by the building of re-enforced concrete posts which are not affected by moisture, frost, sun or fire.

The use of concrete in and about the house has a value that is already accepted. Cellars are rendered sanitary by being floored with it. Foundations for buildings are more permanent because they are less in danger from action by the water which is sure to accumulate from the eaves drip. It is now used for building porch floors, platforms about the well and walks about the grounds. All of these cost comparatively little and add materially to the comfort of farm home life.

Government statistics show that the death rate on the farm is greater than that in the city in spite of fresh food

The Wheat Farmer and The Miller

EMMET V. HOFFMAN, Enterprise, Kan.

There are many different varieties of wheat, each differing from all others to a greater or less extent, so that the successful miller must first determine what wheats are best suitable in manufacturing flour to meet the wants of his trade and then must exercise keen judgment in buying the kind of wheat which will produce the kind of flour he desires.

The competent miller selects with the greatest care, such varieties and grades of wheat as are necessary to produce a certain quality of "bread" or flour. Only a mill which can secure at all times the appropriate grades and variety of wheat can produce a uniform grade or quality of flour throughout the year. In a large mill there are in addition to sales, shipping and accounting department, two very important persons, the miller and the purchaser of wheat.

These two stand in the closest relationship—the miller requires certain wheats and the purchaser secures them.

The keenest judgment is required to establish such brands of flour as can regularly be supplied to the market—once established whether that be domestic or foreign—east or west of the Mississippi—in Kansas or elsewhere.

Nor is the marketing of flour an easy matter since there are enough mills in the United States to supply all the flour required by running 144 days each year.

The millers of Kansas, aided by the railroads, are consuming more and more of the wheat grown in the state. It is to the mutual advantage of farmer, miller and railroad that all of it should be manufactured into flour and other products of wheat in Kansas, thus building up the industries of our state, increasing the price of wheat by increasing local demands.

To make sound flour wheat must be absolutely sound, free from smut and taint of every kind.

Flour that absorbs a large quantity of water, and therefore makes a large amount of bread, contains a large percentage of gluten, while pastry flour contains a large percentage of starch. The hard wheats, like Kansas Turkey, contain a large percentage of high quality of gluten and make a quality of flour that has made Kansas famous in the world's flour markets.

The soft winter wheats make the best pastry flour.

The housewife, however, wants an all around flour, not too soft or too hard or granular, one that will make bread, pie, cake and biscuit.

Kansas mills have made their reputation largely upon the strength of their flour, that is, Kansas hard wheat flour absorbs a large amount of water. This is due to the fact that the Red Turkey wheat grown in the western half of the state contains a large percentage of gluten. The wheat grown in the eastern third of the state is much softer and absorbs less water, about the same amount as do the wheats of Missouri and states east of the Mississippi.

In recent baking tests Kansas flour made from Red Turkey wheat produced 325 17½ ounce wet loaves of

bread to the barrel of flour, while flour from wheat grown in the north-west, Dakota and Minnesota, yielded 316 loaves per barrel. This is of prime importance to the baker and housewife, making the intrinsic value above 45 to 60 cents more per barrel for Kansas flour.

Millers all over the United States and Europe recognize the superiority of Kansas hard wheat and buy it in millions of bushels annually to "tone up" their flours, made chiefly from inferior wheats.

Little attention has been paid, until recently, to the improvement of wheat, both in quality and productiveness. Agricultural colleges, millers and grain growers have at last awakened to the important matter of having the right kind of seed. Every year farmers should be as careful to have the best breed of wheat as to have the best breed of stallions and bulls. Efforts which will bring about the general introduction of the most suitable varieties for the respective localities are now being made. Importations from the Crimea of Red Turkey wheat should be made regularly and as often as necessary. Our Agricultural College should raise the best varieties in sufficient quantities to supply a few farmers in various localities. Farmers making wheat a specialty should have a "seed patch" where they would raise their wheat so that every year they will be able to sow pure seed of the variety best adapted to their locality.

It was believed, until recently, that nature of soil had much to do with the deterioration or improvement of a given variety. However, experiments show that climatic conditions more definitely affect quality than does the nature of the soil.

For instance, pure Turkey seed, sown in eastern Kansas, on soil chemically similar to western Kansas, becomes, even the first year, and very decidedly in subsequent years, yellow and soft; in short, becomes a yellow berry. The yellow berry, on the other hand, sown in central or western Kansas, will "turn" into Red Turkey variety, especially in a season which, by drouth and heat, has a short ripening period. It may, therefore, be said that where the same variety of wheat is planted that the ripening season will determine the grade of the wheat, that is, whether or not it will be yellow berry or a dark colored wheat.

The climate of northern Africa, where this variety is, or seems to be a native, is similar to that of western Kansas and eastern Colorado.

I have no doubt that by the best system of "dry farming" supplemented by careful choice of seeding the vast plains of eastern Colorado and western Kansas will become the wheat granary of the world.

It is well worth while that this subject be studied systematically by our agricultural institutions, and that the government make ample appropriations for conducting experiments along this and similar lines. To make two bushels of wheat grow where only one grew before is of greater value to the people than all the battleships in the world.

From obscurity it has steadily risen to the foremost rank among hay plants, and has already resulted in quadrupling the state's output of tame hay. In 1890 the value of the tame hay crop was two million dollars, while that of 1909 was considerably over fourteen million dollars. The annual value of products of live stock in that time has been doubled, and alfalfa has made of Kansas, if not first, one of the foremost states in dairying—a most desirable branch of husbandry that intelligently and generally followed well-nigh insures continued and enlarged prosperity. Alfalfa, it seems, supplied the one requisite Providence failed to provide in establishing the otherwise ready-made conditions for dairying in Kansas, and the attention being given this branch of intensive farming in nearly every locality is having its beneficial influence, commercially and socially. The widespread introduction of alfalfa in the Sunflower State has been one of the most important factors in the increase of bank depos-

Alfalfa's Significance to Kansas.

BY SECRETARY F. D. COBURN.

Kansas is unique in many things, but in none more than in the commanding position she occupies in alfalfa-growing. Her development in this industry is one of the marvels of her prolific agriculture, and with alfalfa, as with winter wheat, no other state approaches her in its acreage and production. Those who have known it longest and best are the ones who esteem it most highly; in fact, very few who have once raised, or used it as a feed, are satisfied to be without it, and as a rule they contemplate an enlarged acreage and its increased use. The marvelous fact connected with this plant so old in agriculture is that it comes, as it does, to so many at the beginning of the twentieth century as an agricultural revelation.

In Kansas, alfalfa growing was a prelude to prosperity, and is the steadfast promoter of her progress.

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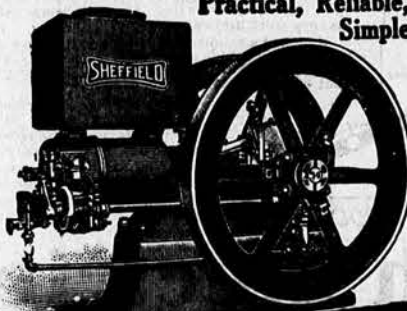
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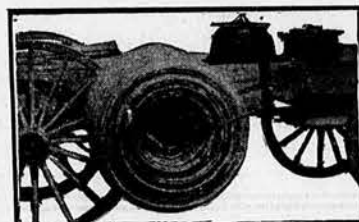
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I just want you to have these two free books that will open your eyes about banks and Wall Street and investments in general; and when you get these two books I'll stake my chances on whether you'll say "Savage is wrong" or "Savage is right," and it won't interfere with our feelings or friendship if you never invest a dollar or never write me again. I offer you these two books free—I want to show you how you can make your money work and earn for you.

Now just a minute, while I give you a few facts. Perhaps nine out of ten readers of this paper know me already, but to those who do not, I want to say that I've been doing a national and international business out of Minneapolis for the past 22 years.

My business is now the largest of its kind in the world—made so by the continued patronage of nearly three million, thinking, progressive, hard working farmers and stock-raisers. These people are my friends and customers—thousands have already invested in my new enterprise—some from your own State and from every State in the Union and every Province in Canada. I have built up a number of big enterprises here in the Northwest and now I'm building the biggest of them all. It is known as the People's Electric Railroad, owned and controlled by the people.

The First Electric Line to Tap the Wealth of Our Golden Northwest.

Dan Patch Electric Railroad

The Dan Patch Electric Railroad runs from Minneapolis to Rochester, and back from Lakeville to St. Paul—130 miles.

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This is the second time I have given the people a chance to share with me—my other new enterprise paid 8 per cent the first nine months and 10 per cent again this year. Now is your chance to share with me in this enterprise—the greatest of them all. I will give you \$1000 in voting stock in addition to a small investment. I want to send you the estimated net profit statement, showing how your

investment can rapidly increase in cash value. This information is contained in my Big Book of Electric Railroad Facts. I want you to have it even though you never invest a dollar, and I am especially anxious for you to have my new book, "Why Wall Street Rules With the People's Money."

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KANSAS FARMER, OCT 1.

WHY WALL STREET RULES WITH THE PEOPLES MONEY

BOOK OF ELECTRIC RAILROAD FACTS

ACRES.

	1891.	1909.
Jewell	296	61,602
Smith	53	44,335
Phillips	111	31,779
Republic	496	31,776
Mitchell	880	26,047
Washington	206	21,459

An increase in these six counties of 10,527 per cent—the stating of which sounds like romance or fable. For the six southern counties the showing is thus:

ACRES.

	1891.	1909.
Sedgwick	1,023	29,528
Butler	503	33,390
Sumner	383	22,384
Cowley	416	22,076
Harper	160	12,647
Barber	694	12,560

The increase in these six southern counties of 4,226 per cent, was not so large as in the six northern counties, but strikingly impressive as an object lesson.

These twelve counties combined had in 1891 5,221 acres; in 1909 they had 354,517 acres, or an increase of 6,690 per cent. They had too, in 1909, 36 per cent of the entire alfalfa acreage of the state.

Kansas had in 1909 alfalfa to the extent of 993,539 acres, or an increase of 13 per cent over 1908 and 211.3 per cent over 1901, and a gain of 2,789.6 per cent over the area of 1891. Alfalfa can be grown in every county in the state, and each county has a greater or less area of it. Seventy-seven counties showed increases in 1909 aggregating 119,661 acres, and the net gain for the year was 115,256 acres. While Jewell county has most alfalfa, Smith its neighbor on the west ranks second with 44,335 acres, and Butler to the south and further east comes third with 38,390 acres. Other counties having over 20,000 acres were Phillips, Republic, Sedgwick, Mitchell, Dickinson, Cloud, Sumner, Cowley, Osborne, Marion and McPherson, ranking in the order named.

The largest gains in the year were reported by Phillips and Cowley, of 5,370 and 5,365 acres respectively, followed by Sumner with an increase of 4,791 acres, Smith 4,545 acres, Finney 4,543 acres, Mitchell 4,489 acres, Harper 4,437 acres, and Barber 4,314 acres.

Alfalfa is a wonderful plant, yielding under widely varying conditions well-nigh incredible growths of incomparable forage, yet some brains are a requisite of success, even in growing alfalfa. To say that "any fool can grow alfalfa" is quite misleading, but with fair treatment under fairly favorable conditions it is bringing good fortune to thousands of those growers who know it best and use a decent intelligence in their dealings with it.

Swat the Rat.

Rats and mice are the cause of tremendous losses to the farmers of America besides being dangerous to the health of both man and domestic animals. Their depredations on the stored crops in crib and bin are something huge, while their well known capacity for carrying contagious diseases is startling when the facts are known.

There can be little doubt that the spread of hog cholera and other dangerous diseases is very largely due to the migrations of rats and dogs, and every means which will successfully cope with these pests will mean millions of dollars more in the pockets of the farmers.

One of the best means of outwitting rats is to have ratproof cribs and bins. And right here the question of expense ought to enter. It will cost money to protect stored crops against rats, but the destruction they work each year would soon cover this if it were prevented. Cribs that are set on posts or brick piers are not safe, even though large tin pans are turned over them, but cement concrete piers topped with pieces of sheet iron are found to be effective, provided the steps are removed each time after using. One farmer reports that his granary has been in use 20 years and has never had even a mouse in it. He capped each pier with a sheet of boiler iron about six inches broader in each direction than the top of the pier and always removed the steps after using them.

Bees, and the requisite knowledge for their management, are the two most important factors in making a start in the business.

its and the added wealth they represent. It has increased the state's manufactures through grinding the hay into meal, and the preparation of various valuable stock feeds, which add an important industry promising large development. The increase in

its acreage here affords some, although no adequate idea of the growing appreciation in which the plant is held. It is just twenty years since the crop was first thought of enough importance to chronicle its statistics, and at that time the enumerators of

the Board of Agriculture returned the area for the state as 34,384 acres. Now the alfalfa field of our state approximates a million acres, and but three cultivated crops exceed it in annual area, namely, wheat, corn and oats. In combination with these alfalfa furnishes Kansans in abundance with perhaps the best and cheapest rations anywhere available for the maintenance of their live stock, for the excellence of which they are famed.

By the first enumeration of the alfalfa acreage of Kansas, in 1891, Finney county was found far in the lead by more than two to one, with 5,717 acres. Her closest competitor was Kearny, the county next west, with 2,188 acres. At that time Jewell, now the leader of all with her 61,602 acres, had but 296 acres.

One of the striking and interesting features of alfalfa history in our state has been the shifting of the locality of increase. In 1891 the west was in the lead, and for the following seven years Finney county was foremost. In 1898 Butler, a southern county obtained the lead and held it for one year, when Jewell an extreme northern county, central from east to west, gained supremacy and has maintained it constantly, of late with no really close competitor.

To illustrate the tremendous percentage of increase in alfalfa plantings in Kansas, two groups one of six northern and another of six southern counties may be used. These, with their averages in 1891 and 1909 compared afford striking examples. The showing of the six northern counties is as follows:

CLARK'S NEW 1910 SELF-SHEDDING CORN-HUSKING HOOK

Husk 100 Bushels Per Day



turns the husks for shedding. The beveled, rounded and curved edge turns the husks loose without clogging or friction.

Every farmer should have one or more of these huskers.

HERE'S HOW TO GET ONE, WITHOUT ONE CENT OF EXTRA COST.

Send \$1.00, check, money order or stamps, for one year's subscription to KANSAS FARMER, either new or renewal, and we will mail to you, postpaid, FREE, one of these Corn Huskers. If you are already paid ahead, we will advance your subscription a year from the present date of expiration, and send you a husker, on receipt of your dollar.

Don't delay. Order now.

KANSAS FARMER :: :: Topeka, Kansas

LIVE STOCK



At least two hog lots are necessary, not for constant use but for alternate use. If hogs are fed year after year in the same lot disease is sure to appear. With two lots fenced hog tight one can be put in some cultivated crop to renovate the ground while the other is used to feed in.

The shortage of hogs becomes more apparent as the season advances. The erratic season of last spring was not favorable for farrowing and the shortage of hogs which then existed has not been bettered by this year's crop of pigs. There will be good money for the man with hogs to sell.

Fourteen hundred mules were sent in one shipment from San Francisco recently, to the Fiji Islands. This is thought to be the biggest shipment of mules that ever left the United States. These animals will be used in the great sugar plantations of the Islands.

Buy Breeding Hogs Now.

There never has been a time when the prices of pork hogs and breeding hogs were so close together as at present.

Breeding hogs sold from 25 per cent to 50 per cent higher than the present prices, when pork hogs were selling at 6 cents to 7 cents on the market, and this makes it, therefore, a splendid opportunity for the farmer as well as the breeder to move up several notches in the grade of his stock. In other words, there never was a better opportunity to improve one's stock by buying good stuff than right now.

A gentleman in the office last week said to the writer, "I killed a nice lot of Poland Chinas and sold them dressed at my place for 13 cents a pound, and I got more out of them than I could possibly get in selling them as breeders. They were well bred, nice, smooth, well developed stuff, and had to be to make these prices."

There is just one good thing about the matter—that a breeder does not have to drop very far to present pork prices to make a quick sale of his stuff. It is certainly the opportunity of every man who wants to buy breeding stock or has any enterprise or ambition to improve his hogs to buy now, for this price is sure to advance. It has such a good foundation in present pork prices that it is entitled to advance, and should advance by all the legitimate rules of trade.

The breeder who is improving his stock, who is enlarging the size, increasing the quality, adding to the prolificness and establishing the characteristics of high quality, is entitled to be paid for his labor, skill and investment a reasonable reward.

So we say to all our readers to take advantage of the present opportunity.

Green Corn and Hog Cholera.

Green corn, when fed to hogs freely, will produce a laxity of the bowels and this easily runs into severe scouring which weakens the system and retards growth if it does not produce worse results.

Hogs fed freely on green corn frequently move about dragging their hind quarters or crawling on their knees. They are unable to stand well on their feet, and, as much the same symptoms usually accompany hog cholera, the mistake is often made of treating the hogs for this dread disease, when there is nothing the matter with them but too much green corn.

These weakened hogs do not have the cholera, but their systems have been put into excellent shape to get it and if they are exposed they will be the first to succumb.

And yet green corn is an excellent feed for hogs, and some farmers believe that there is no more economical way of finishing off a bunch of shoats for late fall markets than by allowing them to "hog off" young corn in the field. This method has much to recommend it, as it is healthful to the hogs, saves labor in harvesting the crop and is productive of excellent

results in the growth and finish of the animals, but— The farmer must wait until the corn is well matured before turning in the hogs and thus lose valuable time or he must be very careful in starting them on the new feed. The hogs should be fed light but increasing feeds of new corn before they are turned into the field and the latter must not be done before the corn is in the roasting ear stage or harder. In the preliminary feeding the corn should be cut and the entire stalk and ears thrown into the feed lot. Begin with a little taste and gradually increase the amount for 10 days or two weeks before turning the hogs into the field.

Hogs are too valuable to waste, and a little care in feeding new corn will prevent many hog cholera reports.

The Herd Boar.

Select the boar for the work he has to do in your herd. If the sows are of the fine boned type the boar should be more rangy and of larger bone not only to increase the size of the pigs, but in order to prevent actual deterioration. If the sows are big and rangy the boar may be more compact. As the boar gives half the blood to every litter and the sow can only influence her own brood, it is vitally important that the boar be a good individual and able to reproduce his kind.

Many herd boars are bought while young, as the shipping charges are heavy. When this is done the pig should be selected for his vitality, his masculine character, his heart girth and his breadth between the eyes. Moreover, he must be pure bred, no matter what the quality of the sows. A grade boar may sire good pigs, but these pigs will have inherited his taint of blood and deterioration and not improvement is sure to result. Not all registered boars are good animals or good sires and no breeder should sell an inferior animal even if he is eligible to record. Pure bred animals, if of good quality, are the only ones to use for profitable results, as they supply the only means of improvement in breeding operations. Feeding has much to do with getting results, but there must be something to feed, and this can only come through good blood. Generally speaking, a young boar mated with an aged sow will produce earlier maturing pigs than will an aged boar mated with a young sow, and in this may be found the best argument for keeping a sow as long as she will breed satisfactorily.

Boars become troublesome largely because of their treatment. Instead of keeping the boar confined in a small lot where he is alone. If he is given the pasture he ought to have and if the fences are strong as they should be the boar will be better in both health and disposition. If he is allowed to pasture with bred sows or barrows his disposition will be still further improved. Any hog may be excused for becoming surly if kept continuously in a dry lot with no pasture and no member of his own kind. Take some care of the boar and he will pay for it.

In the long run, exclusive grain farming never pays as it exhausts the soil and gives nothing in return. It will never pay until we learn to eat corn and hay ourselves. The live stock farmer not only gets his annual profits but he adds to the value of his farm each year instead of decreasing it, as does the grain farmer.

I have a 5-months-old calf which has something the matter with his back. He walks straddling. I have put turpentine on him but it has done no good. He seems all right otherwise, has a good coat and eats heartily.—G. E. Vidito, Coffeyville.

We think this is an injury and would recommend applying once a day campho-phenique, two ounces, olive oil, four ounces. Mix and apply with the hand. If an abscess should form open it freely and syringe out with creolin, two teaspoonfuls to a pint of warm water once a day.

WINCHESTER



BLACK POWDER SHOTGUN SHELLS

To get good results in shotgun shooting, it is necessary to have a load that makes an even pattern, gives good penetrations and is reliable and uniform in every way. Winchester Black Powder Shotgun Shells are just such a load. The next time you buy, insist upon having them.

THE RED W BRAND

AGENTS MONEY-MAKER
Illustrious Career of Theodore Roosevelt
 NEW, just off press—Swift seller—\$10.00 to \$20.00 per day made easily. Big Book, full of Late Pictures—also Thrilling African Hunt Experiences—low retail \$1.50. Agents make 75 cts. on each sale. Send 15 cts. for outfit and full instructions at once. W. R. VANSANT, Publisher, CHICAGO, ILL.

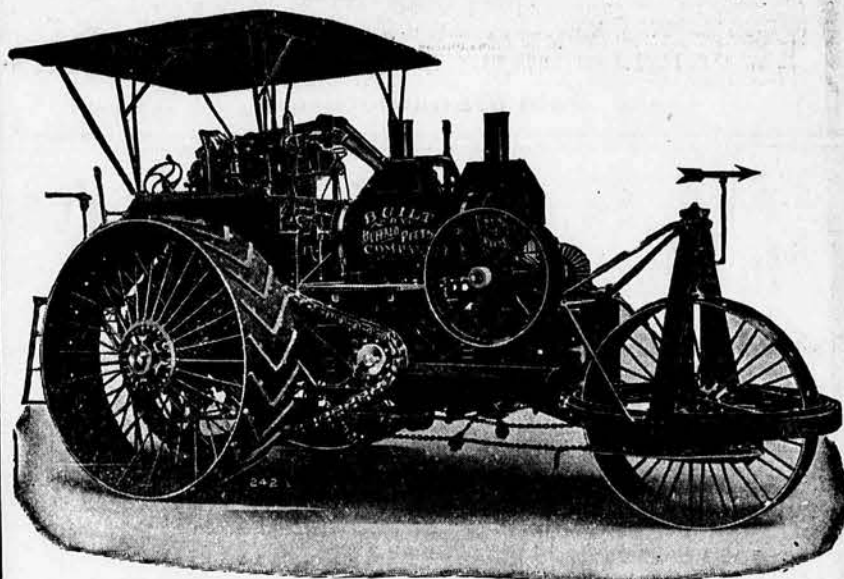
New copper plate portrait of Roosevelt for framing, 16x20 inches, free with outfit.

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KANSAS FARMER when you write to our advertisers. Your request for information, or your order will receive better and more prompt attention.

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Has Shown Wonderful Economy in Fuel.
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are the best-fitting and best wearing shoe made. Thousands sold by mail.

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Write for catalog and price list before placing your order. We have the stock that bears fruit; also all kinds of ornamental trees, Forest trees, shrubs, roses and vines. Special attention given mail orders. 10 per cent discount on \$5 order; 15 per cent discount on \$10 order. Cash with order. Mention paper.

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

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

INDESTRUCTIBLE BY HEAT, COLD, SUN OR RAIN.

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Write for FREE SAMPLES or order direct from this advertisement. Satisfaction guaranteed or money refunded. We refer you to the Southern Illinois National Bank.

Century Manufacturing Co.

East St. Louis, Ill.

The Perfection Seed Cleaner and Grader

It is no longer a question of whether or not a first-class cleaner, separator and grader is a necessity on the farm, for all farmers now realize the importance of grading and cleaning grain.

WHY IT DOES IT

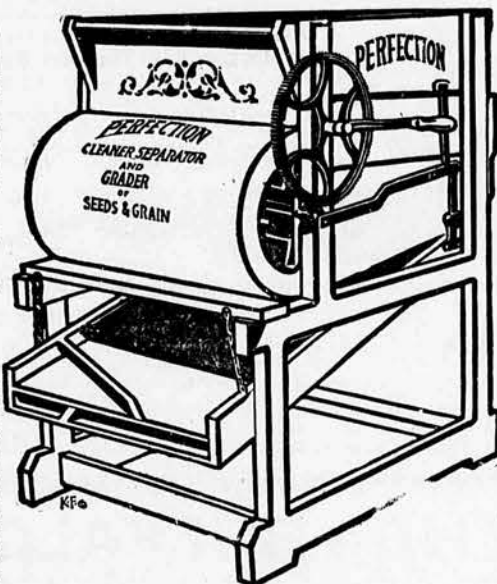
It is properly designed and constructed.

It is simple and free from complications.

It is easy to operate.

It is durable and reliable.

Hon. F. D. Coburn says of the Perfection: "It was nearer perfection than anything of the kind I had ever seen, and far more so than I had supposed possible. I couldn't have believed it without seeing it." H. W. McAfee, farmer and stock grower says: "The Perfection Seed Cleaner is a success. It is the only machine that makes three grades at once and separates all weed seed from the good, perfect seed, and the only mill that cleans alfalfa seed ready for sowing."



We are now selling this machine direct to the farmers, thus saving to them the profits that go to the jobber and middleman. If you are interested, write us for particulars and prices.

The Jensen Mfg. Co., Topeka, Kansas
Sole Manufacturers

Add \$600 to \$1,000 a Year to Your Profits

Many farmers are cleaning up \$600 to \$1,000 a season running a Sandwich Corn Sheller during the winter months when farm work is light. Many are doing even better than that.

Many a farmer has bought more land or paid off a mortgage or bought an automobile with his winter earnings from a Sandwich Sheller.



SANDWICH CORN SHELLERS

For 54 years the Sandwich Sheller has led in every advance in the design and construction of corn shelling machines. The fact that there are three times as many Sandwich Shellers in use as any other make is convincing proof of their great superiority.

We Save You Money? We maintain our own distributing organization and have branch houses and agencies all over the country. The Sandwich is made in all sizes and all styles. Can be furnished with or without sweep horse power and gasoline engine. Write for Catalog.

We also make Horse and Belt Power Hay Presses and Farm Grain Elevators.
SANDWICH MANUFACTURING CO., 323 Main St., Sandwich, Ill.
BRANCHES: Council Bluffs, Iowa; Kansas City, Mo.; Peoria, Ill.; Cedar Rapids, Iowa (22)

Sandwich Shellers do faster and cleaner work and save more grain than any other sheller ever made. And there's less strain, friction and wear on a Sandwich Sheller than on any other. Why don't you invest in one of these machines and pick up some of this easy money?



\$225 an Acre from Potatoes

Early potatoes are one of the best-paying crops raised in Southern Alabama, Western Florida, Tennessee and along the Gulf Coast. Good prices are always obtainable and demand for some beyond the supply. Read what a farmer at Summerdale, Ala., has to say on this crop:

"My yield of salable potatoes this year, per acre, was 150 bushels, which sold readily at \$1.50 per bushel, this being the first crop on the land. I followed this crop with sweet potatoes and sweet corn and then planted cow peas. I raised three crops on the land in one year, all of which brought good prices." Sweet potatoes produce big returns and are usually planted after Irish potatoes have been dug. Two to three hundred bushels an acre are produced and bring from 50 cents to \$1.75 per bushel. Let me send you our illustrated booklets and learn what can be done in a country where fertile land can be purchased cheaply and where there are 312 working days a year. Low round-trip fares 1st and 3d Tuesdays each month.

G. A. PARK, Gen'l Ind. and Imm. Agt., Louisville & Nashville R. R. Room 212 Louisville, Ky.

Treating Seed For Fungus Diseases

Everybody recognizes the fact that the crop depends upon the seed, but everybody does not yet recognize the importance of having good seed nor how much influence they have upon the resulting crop.

If diseased seed is sown a diseased crop will result and this is sure to be smaller than it should and to sell for less money. If good seed is sown a larger yield and better quality are the results, though disease may develop from germs remaining in the ground or from nearby fields. If good seed is used the farmer has the satisfaction of knowing that he is not sowing disease for his crop and trouble and expense for himself.

Seed may be good in all respects except that it may contain the germs of rust and smut which, if put into the ground, would injure the future crop. This being true it is important that such germs be destroyed before planting time. Preliminary treatment of seeds is most important because it destroys the disease germs and insures an increased yield by eliminating the poor seed and restoring the vitality of the good. For both these reasons it was nearly always profitable to treat wheat, barley, oats, millet, flax and grass seeds.

Climatic conditions have very much to do with the development of grain diseases. The weather may be such that smut or rust will not develop sufficiently to do any material injury to the present crop and yet there may be enough to infect it and the soil so that the following crop will be seriously injured. Undrained fields in localities where the dewfall is heavy are likely to develop rust as the conditions are right for it. Insect which carry pollen from field to field and with it disease spores may do it, while manure from stables where diseased straw is used as bedding or diseased grain as feed are fruitful sources of trouble.

There are several methods of treating seed grain, though a few are open to the objection that they may swell the berries and thus injure the germinating power. One of the best of these is the Linhart method, which requires less time than the Kuhn method, does not injure germinating power to any extent, does not swell the berries, and consequently shortens the drying time considerably.

A 1 per cent solution of copper sulphate in water is used, and two men do the washing. One man dips a basket containing 12 to 15 quarts wheat in a tub of the copper sulphate solution, while the second man stirs the berries with both hands to bring the impurities and diseased berries to the top to be skimmed off.

The berries are then rubbed hard between the hands to insure perfect contact with the pickle. This requires three or four minutes. Then the basket is raised out of the pickle and placed on two sticks across the top of the tub and left standing until most of the solution has drained off. The seed is spread out on a large piece of cloth and turned over and over. It is dry enough to sow in one to 1½ hours.

In the Kuhn method, to each 100 pounds of wheat in a tub, 3½ ounces sulphate of copper are dissolved in hot or cold water and poured over the seed. Water is then added until the liquid is 3 to 4 inches deep over the wheat. The wheat is stirred, and the rusty berries skimmed off.

In this solution the grain remains for 12 hours, and if particularly rusty, 16 hours. It is then thrown onto the floor and shoveled over a number of times. In a few hours it may be sown by hand, and in 24 hours may be sown by machine.

For barley, oats, speltz and emmer the copper solution is only ½ per cent. Otherwise the treatment is the same.

It has been found that the long immersion necessary in this treatment causes the berries to swell and so injures the germinating power, especially in machine threshed wheat.

To overcome this defect the wheat is given a subsequent treatment in milk of lime. This is done by drawing off the pickling solution and then covering the grain with about 10 gallons of milk of lime to the bushel and stirring for 5 or 6 minutes. This is then drawn off and the seed dried to 85 per cent moisture.

being easily applied. Dissolve a one-pound bottle of formalin in a barrel of water. First place the grain in water and skim off the light seed and impurities. Draw off the water and cover the grain with the formalin solution to a depth of about one inch. Allow it to stand for about four hours with occasional stirring and skimming off of impurities. The grain is then taken out and spread on the floor to dry.

In one sense the hot water treatment is cheaper than either of the others as it costs nothing for materials and may be applied a long time before the seed is sown. With speltz, oats and barley it gives better results than any other method. The utensils needed are:

Two tanks holding at least 52 gallons.

One water kettle holding 25 to 40 gallons.

Two good thermometers, one in each tank.

One metal basket, with cover, or coarse woven bagging.

The tanks are filled three-quarters full of water at about 129 degrees. The water in the kettle is kept boiling, so as to have a supply always on hand. The cereal is treated in portions of one bushel.

During the treatment the temperature in tank No. 1 must not fall below 104 to 122 degrees. In tank No. 2 the temperature must not fall below 125½ to 129½ degrees for barley, and 129 to 134.6 degrees for the other cereals. These temperatures are maintained by using boiling hot water. After treatment the seed is dried and packed in disinfected bags.

For wheat or rye the seed is bagged and dipped in tank No. 1 for two to three minutes, when it is taken out and dipped in tank No. 2 for five to 10 minutes, the temperature in this tank being held at 129 to 134.6 degrees.

The seed is cooled under the pump, and then spread out on the elevator floor, which has previously been disinfected by washing with a 2 per cent solution of copper sulphate. Shoveling often hastens drying.

The first Canadian national apple show will open its doors at Vancouver, B. C., on October 31 with exhibits from all provinces in the Dominion, from England, Australia and the United States. Many kinds of apples and other fruits are said to do remarkably well in Canada and preparations are being made for an enormous show on which \$20,000 in premiums is offered.

EDITOR KANSAS FARMER:—I have 30 acres of sod. Would it be all right to break it this fall, or had I better wait until spring? We have sandy soil here.—W. A. Pyles, Hudson, Kan.

The kind of sod is not given but blue-grass is probably meant. The texture of the soil in Stafford county would probably make it possible to break this sod in the spring and have the ground in good tilth for the following crop, but the action of the weather during the cold months would be lost. Our subscriber will probably find it to his advantage to break up this sod in the fall in order that frost and rainfall may help him to put it in condition for a spring crop.

EDITOR KANSAS FARMER:—We have in Dixon Township a high school organized (I think) under the "Barnes law." We are not located in the township, yet we send our children to this school and pay tuition. We now understand that any one in the county can attend these schools the same as county high schools without paying tuition. Would you kindly give us the decision of the State Superintendent on this question, for the benefit of several of your subscribers here?—W. A. Schierer, Argonia, Kan.

The Dixon township high school is located in Sumner county, a county in which the Barnes law is not in effect. That county has a county high school. Since the Barnes law is not in effect in that county, free tuition could not be claimed in a high school in a district in which the parent is not a resident, the only exception being the county high school itself. Tuition in the Dixon township high school is free only to residents of that township.—E. T. Fairchild, State Superintendent Public Instruction.

DAIRY



Some cows will start out with a big flow of milk and then dry up in four or five months. Others will milk the year round. Weighing every milking and testing the milk from each cow once a month or oftener will not only furnish the dairy farmer with the facts that are necessary in his business, but will lead to an investigation of the causes of irregularity in milk flow as well as to better care of the cattle.

A writer informs us that there is now a strong demand for high class dairy cattle in Mexico. Buyers from that country are visiting the states and taking home with them car lots of such cattle. The first choice of these buyers seems to be for Holsteins and they are very particular as to color markings. Our own market can take care of all the dairy cattle which can be produced by present breeders.

Weight and Test.

The dairy scales hold some valuable facts that are well worth getting and they may hold some surprises as well. Such scales are just as necessary in the equipment of the milk farm as are the milk pails and they are generally much more valuable. One dairy farmer writes that he has been using grade Shorthorn cows and a registered Holstein bull for several years and thought he was doing his best until he got some scales. Then he learned that the cow that he thought was the best in the herd was only a boarder and the first to be sold. By testing he found that some yellow looking milk showed 3.9 to 4 per cent of butter fat, while some blue looking milk showed 3.9 and was much greater in quantity. One of his cows produced 83 pounds of butter fat in a year, while another gave 354 pounds, but he didn't know this until he got some scales and a Burbank tester.

Facts About Milk.

Referring to the fact that milk is a perfect food, the expert in Nutrition of the Department of Agriculture, in a recent bulletin of the department, says:

It should not be understood, however, to mean that it has these ingredients in such proportions that it can serve satisfactorily as an exclusive food for a grown person or even a child. Though it is the best substitute for mothers' milk it must be "modified" more or less before it can be used even for infant feeding with good results.

It is likewise a commonplace saying that milk is a cheap as well as a nutritious food. Just at present with prices of all kinds of foods rapidly changing it is not so easy as it once was to make the comparisons that are necessary to show which particular foods are really cheap, but while the prices of food materials vary, the composition of most of them remain unchanged, and it is always possible to compare their nutritive value. A quart of milk supplies practically as much of both protein and energy as three-quarters of a pound of beef of average composition or eight average eggs, and can generally be bought for less money. In case milk is 8 cents a quart, beef 20 cents a pound, and eggs 24 cents a dozen, 10 cents spent for milk will buy a little more protein and much more energy than 10 cents spent for beef or 10 cents spent for eggs. Thus, while other animal foods than milk (meat, eggs and cheese) are desirable to give variety to the diet it may be assumed that milk may be used as an economical substitute for any one of them.

Of the vegetable foods, many (flour, for example) are found to be much cheaper than milk when both price and nutritive value are taken into consideration, and as a matter of fact they always form the greater part of the bulk of human food; but of the animal foods which are usually combined with the vegetable foods, milk is one of the cheapest.

In spite of the fact that milk is

recognized as a nutritious and a cheap food, there seems to be a general tendency to think of it not as a possible substitute for other more expensive foods, but rather as an addition to the bill of fare. To illustrate, milk is frequently used as a beverage without the reduction of the amount of meat or other proteid foods served. From the point of view of the need of the body this may be considered extravagant and the serving of a glass of milk or of a bowlful of soup or of such desserts as custards and baked milk, or the use of generous quantities of milk or white sauce on vegetables offers an opportunity to cut down the allowance of meats and eggs.

THE COMPOSITION OF MILK.

The tendency to think of milk as a beverage rather than as an important source of food comes partly, no doubt, from the fact that it is a liquid rather than a solid and that most liquid foods, such as clear soup, coffee and tea, contain very little that feeds the body. It is natural, therefore, to associate milk with these rather than with the really nourishing food materials. In order to overcome this tendency it is well to study the solid products of milk as they are obtained by various processes familiar in the dairy and in the kitchen as well as in the laboratory. Before doing this it may be helpful to get an idea of the classes into which the solids contained in milk are divided. These are: (1) Proteids, (2) fats, (3) sugar and (4) mineral matter. The fat and sugar serve as fuel, and the mineral matter is chiefly valuable for the making of bones and teeth and other physiological purposes. The proteids serve as fuel like the fats and sugar, but they are used also to make and to repair the muscular tissues of the body. This double usefulness indicates why proteids are so often referred to as the most important part of milk.

Fat constitutes about 4 per cent of the weight of milk. All are familiar with the common process of butter-making by which the greater part of the fat is separated from the other ingredients. The liquid which remains and which is called buttermilk contains the rest of the nutrients of the milk except the small portions which cling to the fat. On examining buttermilk after it has become a little sour, it may be seen that it contains a white solid which in the process of churning has been divided into very small particles. This solid is casein, the chief proteid of the milk. It constitutes 3.3 per cent or about one-thirtieth, of the weight of the milk.

Roots or Ensilage.

In Bulletin 268 of the station, Prof. Henry W. Wing says:

"Attention was first called to this subject by results obtained in a Danish experiment, which seemed to show that one pound of dry matter in roots was equal to one of mixed cereal grains. This result suggested the possibility of placing before the farmers of New York state a means by which they could reduce their grain bills materially and produce more of the food for their milk cows on their own farm.

"A number of experiments comparing the feeding value of silage and mangels has been conducted at the agricultural experiment stations in the United States. At the Ohio station Thorne, Hickman and Falkenbach seem to have conducted the most extensive experiments recorded in the literature of the stations. These continued from 1889 to 1892, with the general results as follows:

"The feeding of beets to milk cows increased the consumption of other foods and of total dry matter. Beets always increased the flow of milk and the total yield of butter fat, but this increase has never been sufficient to offset the additional consumption of food. Cows fed on beets showed an increase in live weight, while those fed on silage remained about the same. Beets did not decrease the amount of water drank, although fed



An Interesting Incident at the Ohio State Fair

DE LAVAL'S Friends Loyal

Among the many visitors to our booth at the Ohio State Fair at Columbus this month was a lady who wanted our representative to show her a DE LAVAL. He took the separator apart for her and she seemed surprised at its simplicity and especially at the short time it took to take the machine apart and put it together again.

"Why," she said, "I've got a ——— separator in on trial and their agent told me that the DE LAVAL was complicated, and that it was hard to wash and that the discs would soon rust.

Just then a lady close by spoke up and said, "Why, it's no such thing! I've had a DE LAVAL for eight years and I've never had a bit of trouble with it. It's just as good now as it was when I bought it, and besides it will skim cold milk, and that's what the machine you've got won't do, or any other that I know of, for that matter.

By that time a dozen or more people had gathered round and no less than seven people spoke up and said that they owned DE LAVAL separators and that they were giving splendid satisfaction.

There was one man in the crowd whom the lady looking at the DE LAVAL knew, and she turned to him and asked, "You've got a machine like the one I'm trying out. Isn't it all right?" "Well," he admitted, "it's certainly better than skimming by hand, but it's mussy and gets milk on the floor; it's hard to turn, and if I were going to buy a new separator today it would be a DE LAVAL. I know more about cream separators now than I did two years ago. My brother has a DE LAVAL, and he has tried them all and says the DE LAVAL is the best."

Our salesman didn't have a chance to talk the merits of the DE LAVAL. Our good friends in the crowd persuaded the lady that she ought to give the DE LAVAL a trial before she made any choice, and before she left the hall she gave an order to have a DE LAVAL sent out to her house, and after a ten days' trial she bought the DE LAVAL.

There is a moral to this story: Don't buy a cream separator until you have given the DE LAVAL a trial. It costs you nothing to try it.

The more you come to know about cream separators the more apt you will be to buy a DE LAVAL.

THE DE LAVAL SEPARATOR CO.

165-167 Broadway
NEW YORK

173-177 William Street
MONTREAL

42 E. Madison Street
CHICAGO

14 & 16 Princess Street
WINNIPEG

Drumm & Sacramento Sts.
SAN FRANCISCO

1016 Western Avenue
SEATTLE

Louden Lightens Labor

You can't afford to overlook the LOUDEN Hay Carrier—that is if you want a carrier that will never break down; that you do not send away for repairs every now and then. Years of hard usage by thousands of farmers have proven this to such an extent that they will not buy any hay tools, forks, slings, tracks without the name LOUDEN on them. Never any blind-

ing on the track; the simplest lock that works perfectly every time; patented swivel takes kinks out of rope. Why not buy a LOUDEN carrier that will be good for life. We are hay tool specialists—Free catalogue of LOUDEN Litter Carriers, Flexible Barn Door Hangers and other labor saving hardware specialties will show you why. Free Booklet, "Flitting up Barns."

Louden Hay Carrier

LOUDEN MACHINERY CO., 639 Broadway, Fairfield, Iowa.

"We will have full exhibit of our goods at the National Dairy Show, to be held in Colliseum, Chicago, Ill., October 20th to 29th. Come and see us. Bring along a plan of your building and let us figure with you there, where you can make comparisons of all goods on exhibit."

in such quantities as to increase the watery content of the food 30 pounds per day.

"The experiments did not justify the assumption that the dry matter of beets is any more effective, pound for pound, than the dry matter of sil-

age made from well matured corn containing 13 to 18 per cent of grain. In the region where the tests were made, and as the average of ten years' culture of corn and field beets side by side, two pounds of dry matter was produced in the form of corn silage



Save 30 Day's Time Fattening Hogs

W. Weston, Denver, Col., January 5, 1910, says: "I have given Pratt's Animal Regulator to 1,000 hogs during the past year, and am willing to state that I am highly pleased with the results. It has saved thirty days' time in fattening, and my hogs have always brought a little more than market price."

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will save time and money for you too. It is guaranteed to prevent cholera and constipation—to make healthy, quick-growing hogs good for top prices.

TEST THIS: Begin now and give Pratt's Animal Regulator to a pair of your hogs. In a month's time compare them with those that did not get it, you'll see the difference. Do this at our risk, for Pratt's Animal Regulator is

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Boles are made from heaviest weight Texas steer hides. Feet, counters and linings and all pieces are all solid leather. All thread is waxed and triple lock-stitched. Vamps go clear to soles over toe, making double thickness at tip.

If your dealer doesn't handle our line, send us his name. We'll send the test tag and a pair of our best shoes if you tear it in his presence.

BENTLEY & OLMSTED CO.
Des Moines, Iowa (7)

WESTERN CANADA'S 1910 CROPS

Wheat Yield in Many Districts Will be from 25 to 35 Bushels Per Acre

Land sales and homestead entries increasing. No cessation in numbers going from United States. Wonderful opportunities remain for those who intend making Canada their home. New districts being opened up for settlement. Many farmers will net, this year, \$10 to \$15 per acre from their wheat crop. All the advantages of old settled countries are there. Good schools, churches, splendid markets, excellent railway facilities. See the grain exhibits at the different State and some of the County fairs. Letters similar to the following are received every day, testifying to satisfactory conditions; other districts are as favorably spoken of:

Takes His Brother-in-Law's Word for It
Taylor's Falls, Minn., August 7, 1910.
I shall go to Camrose this fall with my cattle and household goods. I got a poor crop here this year, and my brother-in-law, Axel Nordstrom, in Camrose, wants me to come there. He formerly lived in Wilton, North Dakota. I am going to buy or take a homestead when I get there, but I do not want to travel two times there, for I take my brother-in-law's word about the country, and want to get my low rate.
Yours truly, PETER A. NELSON.

Wants to Return to Canada
Vesta, Minn., July 24, 1910.
I went to Canada nine years ago and took up a quarter section of railroad land and a homestead, but my boys have never taken up any land yet. I still hold the railroad land. I had to come back to the states on account of my health. Please let me know at once if I can get the cheap rates to Ponoka, Alberta.
Yours truly,
GEORGE PASKIEWITZ.

They Sent for Their Son
Maldstone, Sask., Canada, August 5, 1910.
My parents came here from Cedar Falls, Iowa, four years ago and were so well pleased with this country they sent to Cedar Falls for me. I have taken up a homestead near them, and am perfectly satisfied to stop here.
LEONARD DOUGLAS.

Send for literature and ask the local Canadian Government Agents for Emigration Rates, best districts in which to locate, and when to go. Address

J. S. Crawford
125 West 9th St., Kansas City, Mo.

Anyone not now a subscriber can secure Kansas Farmer on trial the balance of 1910 for the special introductory price of 25 cents. Stamps will be accepted.

at a less cost than one pound of dry matter in the form of beets. A question was suggested by the experiments as to whether beets might not be used to advantage in comparatively small quantities fed as appetizers. While silage made from comparatively mature corn showed best results in general, the experiments suggested that the silage should be made before the corn had reached full maturity."

In commenting upon these statements Hoard's Dairyman says:

"According to Professor Wing the results of the experiments at the Cornell station with reference to the dry matter in mangels and in silage agree very closely with those reported from Ohio. It has been found at Cornell that pound for pound of dry matter, the dry matter in mangels is, if anything, little more than equal to the dry matter in silage. Taking all the facts into consideration, it is thought safe by the station to draw the following conclusions as being true under the conditions noted in the experiment:

"The amount of dry matter required to produce one pound of butter fat, taking the average of the results of all rations fed in this experiment, was 21.83 pounds.

"Less dry matter was required to produce one pound of butter fat when mangels were fed as a succulent food with a full grain ration than with any other combination.

"The average cost of one pound of butter fat under all conditions was 22.4 cents.

"The lowest price at which a pound of butter fat was produced was 20.7 cents, with hay, grain and silage.

"The cost of one pound of butter fat with ration with hay, grain and mangels was 27.4 cents. This was considered too high to be economical.

"The cost of one pound of fat with hay, grain, mangels and silage, grain ration reduced one-half by substituting mangels, was 20.75 cents. Since the cost of one pound of fat in the check group averaged for the two years 20.6 cents, this ration was considered economical.

"One pound of dry matter in mangels is a little more than equal to one pound of dry matter in silage.

"One pound of dry matter in mangels is equal to one pound of dry matter in grain, and mangels may replace one-half the ordinary grain ration with mixed hay and silage.

"Accepting the average price of commercial feedstuffs at \$30 per ton, and considering one pound of dry matter in mangels equal to one pound of dry matter in grain, mangels may be used economically in the ration to replace one-half the grain ordinarily fed when they can be produced and stored ready for feeding at \$4 per ton. In arriving at this conclusion, the average amount of dry matter in grain is considered to be 90 per cent, and in mangels to be 12 per cent.

"It would seem to be a safe assumption that farmers can raise mangels for \$4 per ton and thus reduce their feed bill very materially by the judicious use of mangels to replace one-half of the grain ordinarily fed in the ration."

Most people admit that corn alone is a very poor ration for a milk cow. If this is true, why is it not also a poor ration for a milk sow. The value of both animals is determined by their milk flow.

Winter Care of Brood Sows.

Success in pork production is largely affected by the attention given to the health and comfort of the brood sow. She should always, especially in winter, be housed in a warm, comfortable place. Preferably this will be a cot well supplied with straw, and having a door which swings both ways, always closing when the sow passes in or out. This cot may well be located at some distance from the feeding place, so that she will get the necessary exercise in running to and fro.

Her food should consist largely of bulky foods, such as milk, roots and clover hay, which will keep her in good condition without fattening. As farrowing time approaches the bulk should be cut down, less water should be given, and more protein and oily feeds should be fed, so as to keep the sow in a laxative condition. She should be disturbed as little as possible. If she is allowed to get nervous or excited, the effect may be seen upon the litter, in an excitable temperament which lessens the rapidity of their growth.



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POULTRY



Poultry Notes.

This is the season of the year when the enemies of poultry get in their work, such as rats, skunks, weasels and cats. See that your chickens are shut up tightly each night or you will be minus some of them one of these fine mornings.

The cool nights remind us that cold weather is not far distant, and the poultry houses should be overhauled and attended to. The roof should be tight so that no rain or snow can fall through and all cracks should be battened up so that no cold drafts of air may strike the fowls and cause them to catch colds and croup.

A general cleaning and whitewashing of the poultry house is now in order, so that the fowls may commence the winter free from lice and mites. It is time that the hens were over their molt and ready for fall and winter laying, but they cannot lay eggs if pestered night and day by vermin.

Every poultryman should lay in a supply of alfalfa or clover for his fowls during the winter months. Green food is as essential as grain for the egg layers. There are lots of egg-producing elements in alfalfa and if you don't raise some yourself, you should buy a supply now while it is cheap, enough to last through the winter. It will help out the grain ration to a considerable extent.

If you have not yet sold your surplus fowls, now is a good time to do so. Butchers are paying extra good prices for old and young stock, and it is only a waste of money to keep anything over winter that you do not absolutely need for next season's breeders or this winter's laying stock. The drones in the poultry houses are what get away with the profits of the poultry business.

The incubators should have been put away for the winter by this time. See that the water is emptied out of the tank or some cold morning the water will freeze and burst the pipes. The door of the incubator should be left open so that it may be thoroughly aired and in good condition when wanted in the spring.

At the annual meeting of the American Poultry Association held at St. Louis last month, the editing committee was requested to rush the printing of the new Standard so that it may be out by December before the winter shows commence. Columbian Plymouth Rocks and Partridge Plymouth Rocks were admitted among standard fowls, while Rose Comb Barred P. Rocks and Barred Minorcas were rejected. For all the meeting was so near this state, there were only four members present from Kansas.

An interesting experiment was made in Dakota in regard to producing eggs at a time desired. Two pens of pullets were placed in conditions as near equal as possible. One pen was designed for breeding, and it was desired that they should not lay until toward spring. The other pen, containing 18 pullets, was designed to produce eggs during winter, and the eggs were not intended at all for hatching. The experiment began in December. Let it be remembered that the care, temperature and all other things were equal, save the food, and that the pens designed for late laying had two less pullets than the other pen. During December the early layers produced five dozen and three eggs, the other pen not an egg. In January, the early layers produced ten dozen and three eggs, the late layers three eggs. In February the early layers produced nine dozen eggs and the other pen one dozen. In March the early layers produced fifteen dozen eggs, and the late layers three, dozen and a half. In April

came a change; the early layers laid ten dozen and nine eggs and the late layers fifteen dozen and four eggs. From this time the breeders kept laying and produced in May 281 eggs. The early layers 142 eggs. This shows conclusively that egg producing can be governed in a great measure, according to the manner in which they are fed. The feeding was very simple, and the early laying pullets were fed as follows: In the morning boiled lean meat, chopped with scraps from the dining table, and during the day all the wheat screenings they would eat, with corn twice a week as a change. They were, of course, watered daily and had some milk to drink.

The Value of State Fairs.

EDITOR KANSAS FARMER:—I read with deep interest the account of the Iowa State Fair recently held in that state, as given in the KANSAS FARMER of September 10, 1910.

I have had the pleasure of attending the fairs of the state of New York for the last three years. There has been a decided improvement in the exhibition given this year compared to that of former years. I think the one this year is the finest I ever attended in any state. The horticultural and agricultural departments could hardly be excelled by any other state in the Union. Within the last ten years, the New York State Fair has been held at Syracuse; previous to that time it was shifted about, one year in Utica, and another in Albany, Elmira and Binghamton. The Legislature finally fixed upon Syracuse as a permanent place to have the fair held. The state has bought the land and has constructed many large buildings for cattle horses and other live stock, and a large poultry house; and they have a building belonging to the New York State Grange, that has become a part of the agricultural exhibit. There is an immense building also devoted to fine arts and inventions.

While the New York State Fair has undoubtedly given one of the best exhibitions of horticulture, fruit-raising and dairy interests, it does not compare with Iowa in regard to live stock. I do not know the number of live stock exhibited at the New York State Fair yet. I am sure that there was not much more than half as many horses, cattle, sheep, and hogs as were exhibited at the Iowa State Fair. They have a health department in the New York State Fair that is going to be a great benefit in teaching the people how to live and not get sick, and the causes of diseases and how to avoid them. The facts and instruction that is obtained at the State Fair is that which has been developed by the experimental station at Cornell and Geneva. They have had microscopic and food examinations and experiments in the destruction of parasites that cause disease, both of the human family and of fruit and grain, etc.

The agricultural fairs and experiment stations are doing a grand work for the people all over the country.—E. P. Miller, M. D., New York City.

Am enclosing sample of weed. Should be glad to have information as to what it is, the best method to get rid of them and whether they grow from the seed or root.—A. M. Long, Belpre, Kan.

The plant is what is known as the ground bur-nut. The scientific name is Tribulus terrestris. The plant belongs to a family which has only two representatives in this country. It is native to southern and southeastern Europe from the Mediterranean east to southern Asia into Tibet. It has come into the United States in shipments of seed and in ballast and has scattered itself over the country in waste places around the seaports and through the interior. It is a native plant, that is to say, it seeds and dies at the end of the season. Cultivation will keep it out. It is not likely to become dangerous.—H. F. Roberts, Professor of Botany, Manhattan.

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To remove mildew, the garment
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If new stockings are soaked in cold
water before they are worn they are
said to last much longer, as the
shrinking draws the thread closer to-
gether.

stimulations as noises, bright lights,
drafts of cold air, etc.—Wm. H.
Bailey, A. M., M. D., Kansas Univer-
sity School of Medicine.

Busy.

The farmer and his wife and fam-
ily are busy individuals, all of them,
but there is always some one to deny
that they are hard working people,
judging solely from the work they
neglect to do, I would suppose.

Speaking of the farm wife. There
are lots of busy farm women, a lot
of them too busy to do the things nec-
essary to correct living, claiming that
they are too busy; and these same
women are eager to ridicule other
farm women who strive so hard to do
the necessary work.

The careless housewife will console
herself in saying that hard working
people do not have time to keep
clean. And the woman who keeps
her house neat and clean, herself and
family clean besides her other work
is ridiculed by her neighbors, who say
she has nothing (?) to do but keep
clean. Doesn't it require work (and
a good deal of it too), to keep clean?
Does not the woman who keeps her
floors clean, rooms in order, windows
and curtains clean, dishes promptly
washed, clothes neatly washed,
starched and ironed, and the many
other things necessary to keeping
things clean, exert a bit of energy to
do so? Too often the "busy" working
woman who has no time to keep
things clean and in order is either in-
active or a poor manager. She some-
times takes refuge in that the human
body is not a machine; and stops
working long before the period of
fatigue or exhaustion is reached.
She says that when a woman has nu-
merous tasks to perform she cannot
take time to be "so careful" and neat
in doing her work. She cannot take
pains to put things always to their
places, nor can she spare the time to
teach her children to be neat about
the house. All of this some women
cannot do while others can. The wo-
man who cannot is generally the poor
manager, this woman if she has one
hundred tasks to perform begins at
the ninety-ninth one first, instead of
beginning with number one, and tak-
ing them all in order. The woman
who succeeds in keeping all of her
work well under control, does her
work in order, and by some method;
of course there are halts in her
household machinery but she does
not at any time let her work be mas-
ter or mistress of her, she is mistress
of her work always.

The woman who keeps things going
nicely and in order is kept as busy as
the woman who does not. Let not the
woman who cannot or does not find
time to keep her house, herself and
her family clean imagine she has no
time and the other woman has all the
time. Get busy and try keeping
clean and you will find that you never
knew what it was to be busy before.
At first you will be so busy you will
scarcely find time to breathe, but af-
ter a while you will get things ar-
ranged so nicely you will find some
time to rest, and best of all you will
have a clean place to rest in, a clean
body, clean clothes and a clear
knowledge of right and wrong living.
Get busy systematically.—Miss F.
Lincoln Fields.

RECIPES.

Hot Potato Salad.

Peel and boil enough potatoes.
Drain and cut into slices. Put into a
pan with two tablespoons of butter
and a little parsley. Salt to season
and simmer a few moments. Pour
over the potatoes a tablespoon or two
of lemon juice or vinegar. Serve hot.

Baked Apples.

Cut into halves and remove cores
from large apples. Scoop out the cen-
ters, leaving a moderately thin wall.
Chop the centers with cold meat, or
nut meats and raisins. Fill centers
with this mixture, and place in a but-
tered baking dish, round side down.
Pour in a little sweetened water and
bake rather slowly until done.

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proof of the honesty of both is the fact
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Level Cultivation Saves Moisture.

Level cultivation saves moisture. When the land is ridged it is put in a condition for getting rid of moisture, as there is more surface exposed and the furrows make a splendid place for the rain to run off. Where there is too much moisture it is an advantage to throw the soil up around the plant and to leave the furrows for the surplus rain to run off in.

In North Dakota and the northwestern states we need to put forth every effort to save the moisture, and the more level we can leave the surface the less there will be of it exposed to the air, wind, and sunshine, and then, when it does rain, it will have to soak in, as there will be no channel for it to run off in. Then, again, the ridges and furrows are bad in that the soil in the ridge dries out so that the plant roots do not have as much surface soil to grow in as under level cultivation is the best way to surface soil that the plant gets nearly all of its food. Deep plowing and level cultivation is the best way to save moisture, to give the plant roots feeding surface and to keep the soil in fine tilth. This applies equally well to corn, potatoes, vegetables or trees.

A New Corn State.

Several years ago Louisiana farmers marketed 1,100,000 bales of cotton in a single season. The average yield per acre was less than half a bale, but on the best lands a bale to the acre was obtained. In those days 8 cents for middling was looked upon as a good price, and \$45 per bale or \$22.50 per acre was not to be lightly treated. In 1909 Louisiana produced only 280,000 bales.

Today the farmers on the reclaimed lands of South Louisiana are getting 100 bushels of corn per acre, which, at 65 cents per bushel, brings them in \$65 per acre, or nearly three times as much as the Louisiana cotton farmer got in the palmiest days of cotton production and on the best short staple land. Corn farmers on the hill lands are not getting anything like 100 bushels to the acre but their yield per acre is increasing very rapidly as a result of the educational work being carried on by the United States Government corn expert at Baton Rouge, who is teaching the old time farmer how to grow corn in the new way.

In 1908 and in all previous years Louisiana farmers, and particularly the cotton growers, bought most of the corn needed to feed their stock from the corn states. Last year, for the first time in its history, Louisiana became an exporter of corn. The change to corn is due to the boll weevil.

The Value of Organic Matter.

Organic matter is one of the things that is very essential in a soil. It is one of the things that nature is always careful to put back. The farmer oftentimes pays no attention to it with the result that he grows crops year after year, and after while the yields begin to go down and the land also becomes less capable of withstanding dry years. This is the result the country over, and is largely due to the exhaustion of the organic matter. The North Dakota farmer, as well as those of the adjoining states, practiced applying manure when the land was new and found that it did as much harm as good. This would naturally be the case on the rich western prairie which contains richness that thousands of years have been accumulating as well as the organic matter of untold ages. After the soil had been worked for four or five years, however, this organic matter would begin to decrease and from then on a thin application of stable manure would be very helpful, say ten tons to the acre. A heavier application might do harm in case of a dry year, as the plowing under of it might lessen the chances for the water to pass up into the furrow slice.

Too often the farmers haul the manure and dump it in some convenient place, or build their barns so they can be dumped over a bank or in the stream, and as one approaches a town one of the prominent landmarks is a large manure pile. Manure is just what is needed to bring up the yields and to increase the water holding capacity of our soil, as without water no amount of fertility is of any avail. The longer the soil is worked and no organic matter put back the less capable it will be of holding water; hence, the more it will suffer when drouth comes. This manure should be applied to the land with a manure spreader, which puts it on evenly and thinly and thus brings about the greatest good. This applying of manure also improves the soil very much for growing alfalfa, which is a crop that should be grown on every farm, as it adds to the soil something which it needs. The organic matter also binds the soil particles together, thus in a measure overcoming drifting of the soil. It will likely not be long before manure will be used as effectively in the northwest as it is in the older sections where the farmers willingly pay so much a load for it, but the sooner the use of it is begun the better.

A Cheap Way To Insure Healthy Hogs

You believe in insurance—don't you? In fact, you are paying out your good money right now to protect your house, barn and other buildings from loss by fire, because you wouldn't feel safe for even a day without such insurance.

Are your hogs insured? If not, why not? We don't mean fire insurance, but life insurance—"Merry War" Lye insurance—which will keep your hogs always fat and healthy and insures you getting them to market in prime condition to bring top prices.

How To Prevent And Cure Worms And Cholera

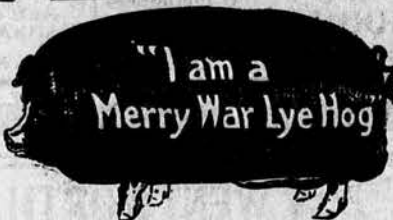
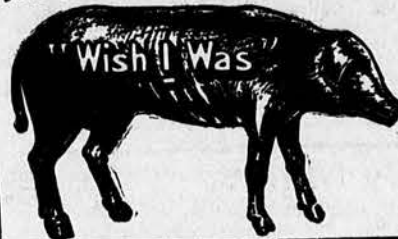
Here is a simple, sure, safe way to keep your drove in a perfectly healthy condition, render them immune to contagious diseases and increase the weight.

Tablespoonful "Merry War" Lye mixed with slop for ten hogs, or one-half can with barrel of swill for larger quantity. Stir well, feed night and morning.

Do this, and no matter how sick your hogs may be, in a few days you will see a marked improvement. "Merry War" Lye cleanses the system, tones the digestive organs, makes sick hogs well and insures your pork profits.

Take No Chances!

The time to act is NOW, before worms, cholera and other hog troubles get in their work. It will be too late when Mr. Hog slinks off into some corner, gives a feeble grunt, stiffens out his legs and passes away. That kind of a dead hog will never fatten your bank account. What you want is



prime hams and bacon—not soap fat! So take no chances, but insure your porkers against an untimely death by starting them on "Merry War" Lye. And do it today. Don't delay!

The Cost Is A Trifle

"Merry War" Lye is the least expensive as well as the best protection against hog losses ever discovered.

Its action is sure, and the cost for constantly keeping your drove in prime condition is so small that you will hardly notice it.

A fair trial will convince you beyond all doubt that "Merry War" Lye will do everything that its thousands of Farmer Friends over the country claim for it.

At Your Dealer's

While most up-to-date dealers handle "Merry War" Lye, some dealers may offer you some other brand. If so, don't accept it, but explain to the dealer that while there are brands of Lye that are good for certain uses, yet there is only one kind "Merry War" Lye—that is safe and specially prepared for use in preventing and curing sick hogs.

So if your Dealer can't supply you, write us and we will give you the name of one who can; and will also send you a valuable book on "HOW TO GET THE BIGGEST PROFITS FROM HOG RAISING." Send for this book today.

"Merry War" Lye comes in 10c cans, or 24 for \$2.00, at Grocers' or Druggists'. Accept no substitute.

E. Myers Lye Co., Dept. 12 St. Louis, Mo.

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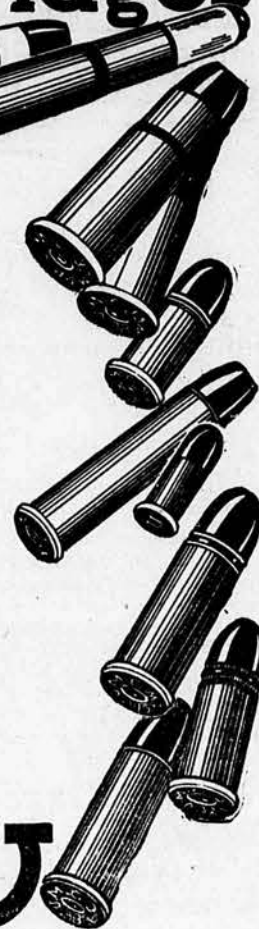
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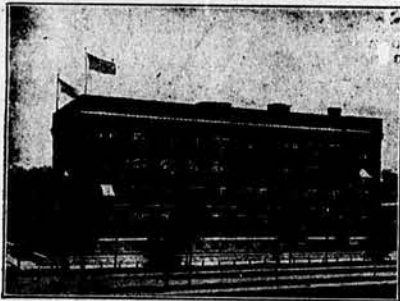
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Home Comforts Obtained by Home Efforts.

(Continued from page 1.)

idea, in installing a water system, to leave a few plugs (or T's) vacant so that in case you later desire to put in other fixtures you can tap in and also have drain to sewer. This is not necessary, but is only a suggestion. Always leave one or more plugs in main pipe from pressure tank so that they may be tapped at any time you should wish to put in hydrant or run

water to any other part of place. Galvanized iron pipe is easily installed and is nearly as good as any. Lead pipe, which is often acted upon by certain substances found in water, has one advantage inasmuch that it will freeze and thaw a few times without bursting, but it takes a good plumber to handle lead pipe, as every joint should be wiped, and you can never repair it without the plumber, so would advise using galvanized.

Have all down gutter spouts so arranged that you may, when you so desire, turn them into the sewer, thus keeping it clean by frequent flushing.

Always put your pump as close as possible to the end of the pressure tank, and the other end of pressure tank against cellar wall so pipe can pass out of pressure tank into wall and prevent freezing. This will save pipe and prevent freezing. Keep all pipes away from outer walls. They should run near the center of the building for protection from cold.

Put stop cocks in all pipes a few inches from where they enter wash basins or tanks. One of these cocks will prove a great convenience when it becomes necessary to put in a new Fuller ball or otherwise repair faucet, for it makes it possible to cut off the water at the one point without turning it off the entire house. Use none but the new style faucets which have one extra joint, making the putting in of a new valve a very simple matter. Use traps under bowls and bath tubs. Also see to it that traps under bowls and leading from tub are so constructed as to be easily cleaned.

Think your system over carefully and cut out any excess piping that you can, and make the piping run as direct as possible to the desired places.

Use a large hot water tank, as plenty of hot water is a great convenience and the water retains its heat much longer when in large quantities.

The most simple, the most easily regulated and the best fixtures are important for the man who is several miles from a professional plumber, and who must, in most instances, do his own work.

Dawe's Attraction Big Type Poland China Sale

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FRIDAY, OCTOBER 14, 1910

I will sell 50 odd head of boars and gilts of big type breeding and big individually, the equal of any to be offered this season.

THE GREAT COLOSSUS Queen Over Pan Litter

of three boars and three gilts of March 22 farrow, sired by the great Colossus and out of the fine Expansion sow, Queen Over Pan, are good enough individually and are bred well enough to go into any herd in the land. The pigs in this litter are full brothers and sisters to the Dawson show herd of 1909 which made such an enviable record of winnings, including the champion, Capitol, and Colossus Maid. Also a crack litter of two boars and three sows out of Colossus Maid, sired by Joe S., he by Dorsey's Perfection. Another fine litter is out of Famo's Queen (she out of the champion, Famo X. L.) These pigs are sired by Expansion Over. Other litters out of sows by Blain's Tec. 2d, Flashy Metal, Nebraska Jumbo, etc.

This offering is in the pink of condition and all of early farrow. I guarantee satisfaction. Write now for catalog.

Send bids to Jesse Johnson, representing Kansas Farmer.

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250 a., all good land, 130 a. in cultivation, 70 a. in pasture, 10 a. alfalfa. Good 6 room house, barn for six horses, good cribs and granary. Good well and running water, fine orchard, 2 miles from good little town and station, located in Sedgwick Co., and can be bought on terms. Great bargain at \$75 per a.
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1120 ACRE COMBINATION RANCH. 25 head horses and colts, above average and one registered Percheron stallion. Write for particulars. 80 acres first-class alfalfa land in famous Artesian Valley at a great bargain.
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\$20 a., 1 mi. from county seat, 280 a. perfect and smooth, balance good pasture land. Price \$10 per a.
150 a., 2 miles from Meade, 5 flowing wells, 66 a. in alfalfa, some timber, fair improvements, in the heart of the Artesian valley. Price \$20 per a.
MULBURN & BLACK, Meade, Kansas.

A BARGAIN. 240 acres, 6 miles of Havensville, Kan., 15 a. timber pasture, 40 a. wild grass pasture, 100 a. under cultivation, 80 a. wild grass meadow, new barn 30x40, room for storing 10 tons of hay and 1,500 bu. of corn, 4-room house almost new, hog pasture; good water, well and cistern on the porch, good cave, new houses, fenced and cross fenced into four different fields, price \$60 per acre, terms on \$1,200 of purchase price. Address
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This farm is situated in Nemaha Co., within 2 1/2 miles of a Catholic church.
Ford County wheat and alfalfa lands, at the lowest prices. Special: 320 acres to exchange for hardware stock. Write us.
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WHEAT AND BROOMCORN LANDS in Gray, Hodgeman, Ford, Finney and Haskell Counties. We have a large list of lands for sale at low prices on liberal terms. Write for a free illustrated copy of "The Jacksonian," containing 32 large pages. The Gonder Land, Loan and Immigration Co., Chasron, Kan.

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FREE list of lands, ranging in price from \$10 to \$30 per acre, well located, near churches, schools and markets in Rawlins and Cheyenne counties, Kansas, and Hitchcock Co., Nebraska. Send your name today.
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IMPROVED Anderson county corn, wheat, oats and alfalfa farms at \$40 to \$60 per acre. Write for our free list. Also good exchange propositions. Rice-Daniel Land Co., Garnett, Kan.

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LIVE AGENT WANTED in your locality to assist in selling corn, wheat and alfalfa land. We own thousands of acres in Pawnee and adjoining counties. Write us for a proposition on our own ranches.
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CARLISLE & DETTINGER, Meade, Kan.

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KIRBERG & MILLER, Ness City, Kansas.

BARGAIN. In Artesian Valley, alfalfa land, 480 acres, all irrigated, 2 miles Fowler, 100 acres, only 3 to 12 feet to water, Artesian well, fine land; snap at \$40 acre, 1/2 cash, bal. 3 years at 6 per cent. 1 own other farms; will sell.
E. L. WATTS, OWNER, Fowler, Kansas.

200 ACRES, 10 miles from Delphos, 40 a. pasture, 160 in cultivation, 175 can be cultivated, creek, plenty of fruit for family use. Good house, barn and outbuildings. One of the best corn and alfalfa farms; can be bought for \$75 per acre; 1/2 cash, bal. 6 per cent.
Box 114, Minneapolis, Kansas.

180 ACRES, 1/2 mile from "Baker University" townsite; good rich black limestone soil; 9-room house, two barns, hog sheds, large hay barn, splendid corn and timothy land. Well worth the money. Price \$75 per acre.
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FOR SALE—193 a., 6 mi. Garnett, 3 mi. Haskell, on Mo. Pac. R. R., 120 a. valley and slope land in cult., balance rough pasture with limestone rock on 1-3 of it, well fenced and cross fenced new 6 r. house; splendid barn 32x42; 2 good wells; family orchard. A snap at \$5,500. New list free. Sewell Land Co., Garnett, Kan.

EXCEPTIONALLY FINE FARM FOR SALE

Northeastern Kansas farm of 300 acres. Has been well farmed for 20 years. The rich soil has been improved by judicious crop rotation and the liberal use of manure. Well watered, fine walnut timber, finest bluegrass pastures, alfalfa, timothy and clover meadows; finest wheat and corn land. Well fenced. Have cattle and horse barn for a large number of live stock. Large silo, water tanks, granary and fine mill, with other improvements to make it as nearly a perfectly improved farm as money and thought can do. It is a model stock or grain farm, ready for use. It is a most excellent opportunity to get a fine farm as lies outdoors, and in a country where crop failure is unknown. Lying only 40 miles west of St. Joseph, Mo., and adjoining a thriving railroad town, it is at the doors of the best markets in the West.

For full information, price and terms, address A-130, care Kansas Farmer, Topeka, Kan.

FOR FREE INFORMATION about Thomas and adjoining counties, write to or call on Trompeter & Son, Colby, Kan.

SOUTHEASTERN KANSAS LAND Where corn, wheat, oats and alfalfa produce big crops, at \$40 per acre and up. Oklahoma land, \$12 to \$25 per acre. Write for new list, sent free.

MONARCH REALTY CO., Coffeyville, Kansas.

INDIANA FARM \$75 PER ACRE. One and a half miles from Valparaiso, Ind.—as good farming section as anywhere—120 a., fair improvements; will sell or trade; \$75 per a. if a quick deal is offered.
W. J. T., care Kansas Farmer, Topeka, Kansas.

JEFFERSON AND ATCHISON COUNTIES Improved farms that are rapidly increasing in value, that produce big crops of all staples, for \$60 an acre and up, according to location and improvements. Also some good exchange propositions. Write for full information.
George J. M. Roger, Valley Falls, Kan.

FARM BARGAINS. Big bargain in one of the best 80's in Anderson Co., nice smooth farm, fair improvements, plenty of good water, close to school, R. F. D. and telephone. Price \$4,200. Terms if wanted.

MANSFIELD LAND CO., Ottawa, Kansas.

SPECIAL FOR QUICK TRADE. Eight-room residence, located at 2726 Woodland ave., K. C., Mo.; nice location, on paved street, with all special improvements in and paid for; east frontage, 30-ft. lot; pays \$30 per month rent; price \$5,000; mortgage \$1,800 at 6 per cent; want western Kansas land, N. W. Oklahoma land, cheap grass land in S. E. Kan. or small stock of goods. Might consider live stock or stock of mds. for equity. Investigate and make propositions. Send descriptions and numbers of land in first letter.
C. E. TINKLIN, Corning, Kan.

435 ACRE FARM—DIET CHEAP. 435 acres, 2 to 3 mi. from 3 towns, Linn Co., Kan. Rich soil, small grain, corn and tame grass farm. Improvements worth \$5,000; good repair. All fenced; part hog tight. A genuine bargain for \$27.50 per a. Large list and detailed description free.
T-O. M. LAND CO., Coffeyville, Kansas.

THREE ELK COUNTY SNAPS. 158 a. farm close to town and school, imp. fair, 75 a. bottom cultivated, 25 a. alfalfa, \$7,000, pay \$300 cash, 10 years on balance. 160 a. farm adjoins above, 60 a. plow land, 60 a. meadow, balance pasture, imp. good, \$5,500, pay \$250 cash, 5 years on balance. 140 a. farm, 1 1/2 mile to town, 75 a. plowed (bottom), 15 a. alfalfa, imp. good. Pay \$350 cash, 5 years on balance. Write for list.
D. M. WATKINS, Moline, Kansas.

A FINE RANCH ON EASY TERMS. A fine level ranch of 1,350 acres located in Sherman county, Kansas, 4 miles south of Kuleton, the first station west of Goodland, on the main line of the Rock Island railroad. All tillable, new frame dwelling, 28x42 feet, five rooms, with pantry, closets, small hall and cellar, frame barn 48x32 feet, frame granary 20x40 feet, frame stable 20x32 feet, frame cattle shed with straw roof 64x20 feet, good well, windmill, two large tanks, with abundant supply of the finest water on earth, cannot pump the well dry. Milk house, hog house, feed rack and corral. About half cash, balance five years at 6 per cent. Will be sold soon. Can give possession any time. Come at once and see it and procure a bargain. Call on or address
G. W. SAPP, Goodland, Kansas.

Wheat, Corn, Alfalfa In Meade, Ford and Clark counties; land \$25 to \$50 acre. List free. Eugene Williams, Minneapolis, Kan.

Clark County Farm 520 acres, small set improvements, 300 in cultivation, 10 miles R. R. town, \$25 per a. Lands for sale in any size tracts to suit purchaser, at low prices.

HALL & CLARK LAND CO., Minneapolis, Kansas.

Miami County Land For free information about eastern Kansas land, where corn, wheat, timothy, clover, bluegrass and all tame grasses grow at \$40 to \$75 per acre, write or see the
PAOLA LAND & LOAN CO., Paola, Kansas.

LAND BUYERS. Send your name for a free copy of a large handsome album, telling about the best sugar beet and alfalfa lands, wheat lands and stock ranches at Garden City, Kansas. Special—1680 acres, half alfalfa land, \$10 an acre.
CHAS. T. ZIRKLE & CO., Garden City, Kansas.

FORD COUNTY, KANSAS. Wheat and alfalfa lands, \$15.00 an acre and up. Prices are rapidly advancing, now's the time to buy. Write for free list.
J. P. ENGLISH, Dodge City, Kan.

KANSAS WHEAT LANDS, and some corn and alfalfa lands, \$8.00 to \$25.00 per acre. Write for information. J. C. Reeve, Garfield, Kansas.

MIAMI COUNTY—Improved farms \$45 up, good terms. Cheaper and better than farther west. List free. Carpenter & Peck, Miami Co. Bank Bldg., Paola, Kan.

HERE YOU ARE

200 acres, 5 miles Williamsburg, new 7-room house, large barn, all necessary outbuildings in good repair, small fruit, 1/2 cultivated, balance could be, \$40 acre. Good terms. Owner old, can't farm it. New list free. SEVERNS & HUTCHISON, Williamsburg, Kan.

SOUTHEASTERN KANSAS FARMS in any size tracts, on liberal terms. How is this: 80 acres good land, well located, small improvements, \$2,500. Send for free list.

THE BOWMAN REALTY CO., Coffeyville, Kansas.

LAND SNAP

80 ACRES, Anderson County, Kansas, six miles from Greeley, 7 miles from Garnett, 60 a. in cult., balance meadow and pasture, 160 a. joining Harria, Kan., all tillable, 100 acres in cult., balance meadow and pasture. Price, \$55 per acre, well improved.
SPOHN BROTHERS, Garnett, Kansas.

FORCED SALE

Best located, and one of the best farms in Allen county; 480 acres, 3 miles from Iola, 560 acres under plow, balance in grass. All tillable. Will sell all or divide to suit purchaser. Worth \$55 an acre. Will sell for \$50. Very easy terms. Must sell. Call on or address
THE ALLEN COUNTY INVESTMENT CO., Longton, Kansas.

LOOK HERE

I offer this week a decided bargain in a section of smooth, raw land, 10 miles north of Brewster, Kan.; fine farms surrounding it, and crops to show that it will produce. This is one of the bargains and will not lay out long. Write for particulars to
IKE W. OBUMLY, Brewster, Kansas.

FARM SNAPS

FARMS FOR SALE—Large list, correspondence solicited, ask for list. Desirably located. Thos. Darcey, Real Estate, Of-ferle, Kansas.

GREENWOOD COUNTY FARMS

Large 40-page, handsomely illustrated book, containing valuable information and list of 50 farms, mailed free and postpaid. Send your name today.
F. D. STUGHTON, Madison, Kan.

SEWARD and STEVENS

Counties corn and wheat land, \$10 to \$25 an acre. Crops often pay for the land in one year. The best investments in Kansas are to be found here. Write for free descriptive literature.
CHAS. MOLLER, Liberal, Kansas.

FINE QUARTER, \$1500

160 acres, good level land, very fertile, 40 ready for wheat. A snap. Don't delay, act now. Land for sale in any size tracts, at low prices on good terms. Write for new list.
THAYER LAND CO., Liberal, Kansas.

Meade County Lands For Sale or Exchange. Raw and improved farms and ranches, \$9,000 telephone exchange. Attractive terms on all kinds of property. Call on or address
BOYER & WYATT, Plains, Kansas.

A BARGAIN

160 acres of fine creek bottom land, 80 acres in cultivation, 8 miles from good town and in good neighborhood. It won't last long. Answer quick. A snap at \$1,600.
MACKAY & EVANS, Liberal, Kan.

AT A BARGAIN

Four 160-acre farms in Lyon county, each containing pasture, meadow, orchards, springs and land under cultivation. Two with house and barns on. These quarters all join each other length ways and are well fenced. This land must be sold soon to settle an estate. Time given on one half. Address
TROUTMAN RANCH, Couniskey, Kansas.

COME TO FORD COUNTY AND GET RICH.

Come to the famous Ford County wheat belt, where two crops pay for the land. If I do not show you that this is true I'll pay your fare for the round-trip. Best of climate, soil and water. Descriptive price list upon application.
G. L. FAINTER & CO., Dodge City, Kansas.

TRADES.

We will exchange irrigated sugar beet and alfalfa lands, unirrigated wheat and ranch lands, city property, merchandise and live stock, for good propositions anywhere. Describe and price your proposition.

CONYERS & PIPPENGER, Garden City, Kansas.

NESS COUNTY, 160 ACRES. \$10 per acre. A fine quarter 5 miles from R. R. station, nearly all fine smooth land, and good dark loam soil. Fine well of water, 50 fine thrifty trees, no other improvements. Can't be duplicated in the county for the money.
J. G. COLLINS, Owner, Ness City, Kansas.

320 ACRES unimproved, 8 miles Dodge City, about 100 acres rough, all well grassed, near school, \$3,500.00.
610 acres, 9 miles Dodge, 5 miles station, fenced, cross-fenced, 320 acres in cult., school on land, running water, fine stock proposition, \$19.00 an acre. Other lands. New list free.
L. L. Taylor & Co., Dodge City, Kan.

FARMS, Ranches, Mdse., Trades. Would you build an agency? Buckeye Agency, Agricola, Kan.

MEADE. Ford, Clark and Gray county land, \$10 to \$20 an acre; prices advancing rapidly, now is the time to buy. Write for full information. Chas. Schwerdtfeger, Fowler, Kan.

TREGO COUNTY LAND. Where prices are advancing rapidly. At low prices, on liberal terms. Near markets, churches and schools. Write for prices and descriptions.

J. I. W. CLOUD, Wakeeney, Kansas. Write for special lists Anderson Co. farms, 80 acres, nice improvements, bottom land, \$5,000, 160 acres, bargain, small improvements, \$4,700. Holcomb Realty Co., Garnett, Kan.

ASK WHY LAND IN SHERIDAN COUNTY, KANSAS, will make the investor or the farmer money purchased at present prices. Many inducements here that are not to be found elsewhere.

T. V. LOWE REALTY COMPANY, Goodland, Kansas.

LOW-PRICED NORTHEASTERN KANSAS LAND.

Produces corn, clover, bluegrass and all staple crops in big yields. We can sell you improved farms here for \$40 to \$50 per acre. Have some good exchanges. Write for full information.

The Owl Land Agency, Ozawie, Kansas.

ANDERSON COUNTY. What, oats, corn, tame hay and many other crops produce abundantly. Improved farms for \$30 to \$50 per acre. Big investment opportunity. Write for new list, mailed free.

GEO. W. ILER & SON, Garnett, Kan.

CORN, BLUEGRASS AND ALFALFA LANDS

In Northeastern Kansas, where crops never fail. Improved farms \$50 per acre and up. Prices rapidly advancing. Now is the time to buy. Write for full information.

F. A. LAKE, Ozawie, Kansas.

NORTHEASTERN KANSAS.

The best agricultural section of Kansas. Wheat, corn, alfalfa, tame hay, potatoes and fruit are making our farmers rich. Land \$25 up. Big list to select from. Write for full information.

E. L. HORTH, Centralia, Kansas.

SMALL FARM AND STOCK RANCH.

860 acres, ten miles Meade, fenced, cross fenced, good house and other farm buildings, 40 per cent tillable, 40 acres subirrigated, alfalfa land, living water, well adapted to general farming and stock raising. \$8 per acre, reasonable terms.

FIDELITY LAND & TRUST CO., Meade, Kansas.

THE BEST TOWN TO LIVE IN

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

SECRETARY OF THE COMMERCIAL CLUB Topeka, Kansas.

SEVERAL good farms to trade for stocks

of merchandise and land to exchange for city property. Land in the fertile Gulf Coast of Texas \$25 per acre on payments; fine climate and farmers get rich in a few years. We go down twice a month. Write me for particulars. Henry G. Parsons, Lawrence, Kan.

160 ACRES, 11 miles Plains, 11 miles Jasper, both good shipping points, level roads; perfect quarter of buffalo grass land. Price \$13 an acre; terms. No adjoining lands can be bought for less than \$15 an acre. Other bargains.

FULLINGTON & MARRS, Meade, Kansas.

FARMS AND RANCHES

In Greenwood county, the best known county in Kansas, where corn, clover and bluegrass grow to perfection. We own and control much land here, and will suit you.

WICKER & MARSHALL, Madison, Kansas.

KIOWA COUNTY LANDS.

At \$20 per acre and up on good terms. Where all staples produce abundantly. We have better corn right now than you have on your \$150 land. Descriptive literature free. **THE WAYNE LAND CO.,** Greensburg, Kan.

FORD COUNTY LANDS.

\$15.00 an acre and up on good terms. Lands in Grant and Kearny Counties, \$10.00 and up. Good trades considered. If you want to double your money soon, buy quick, before prices advance.

WATKINS & STANSBURG, Dodge City, Kan.

SOUTHWESTERN KANSAS.

Corn, wheat and alfalfa lands in Hodgeman, Edwards and Ford counties at \$12.50 per acre and up. Prices are rapidly advancing—now is the time to buy. Prices, descriptions and full information upon application.

MAIRS & SCHILLING, Kinsley, Kansas.

EXTRA SPECIAL IN FORD COUNTY LANDS.

Seven sections fine wheat land, in a solid body, close to Spearville, for sale for from \$25 to \$50 per acre. Write quick.

SMITH & BARTZ, Sole Agents, Spearville, Kansas.

GRAY COUNTY LANDS.

\$10.00 to \$20.00 per acre. We have a large list of lands for you to select from. If you want a money making investment, write for our free descriptive literature.

F. M. LUTHER & SONS, Cimarron, Kan.

A CHOICE wheat and alfalfa ranch; 1920

acres rich soil, 1150 acres in cultivation, 420 in wheat, 100 in choice alfalfa, large, 11-room house, new, with cellar, cave, well, windmill, tank, stable, granary, sheds, corals, etc. Also a 4-room tenant house, with stable, sheds, granary, well, etc. Ranch all fenced and cross-fenced, well watered by several large springs and 3 wells; land nearly all smooth, 1750 acres of it can be farmed, if desired; good school on ranch; good neighborhood, can't be beaten in the county; 10 miles of two towns; price \$21.00 per acre. Good terms. Address: Thos. J. Stinson, Spearville, Kan.

FARM and City property for sale in Douglas and Anderson county. Land is advancing, better buy now. I have some bargains. **J. C. Wise, Baldwin, Kansas.**

FOR FREE INFORMATION about Miami and Linn County land, at the lowest prices on best terms, write or see **J. D. RENEAU, La Cygne, Kan.**

LYNN Anderson and Bourbon County farms, \$25.00 to \$75.00 per acre. Best bargains in Kansas. Write for full information. **R. A. BARNES, Blue Mound, Kan.**

240 A. 5 Miles Town, 90 pasture, 32 meadow, 105 corn, 13 kaffir, 90 pasture, young orchard, 3 wells, cistern, new 7-room house, new barn, all necessary outbuildings. **R. F. D. and telephone. \$45.00. Other farms. HALEY-McMULLEN CO.,** Mound City, Kan.

LYNN COUNTY FARMS.

Near railroad, schools, churches, and markets, \$15.00 to \$50.00 per acre. Natural home of corn, clover and blue grass. Prices are advancing rapidly. Large, illustrated paper free.

EBY BROS. & CADY, Pleasanton, Kan.

KIOWA CO. WHEAT LANDS

at \$30.00 per acre and up for good lands. Small tracts of rough land at \$8.25 per acre, good well located western land at \$9.00 per quarter and up.

H. M. DAVIS REALTY CO., Greensburg, Kan.

MIAMI COUNTY SNAP.

358 acres, school and Methodist church on land, 4 miles town, R. F. D. and telephone, well improved, 100 acres hog-tight, only \$45 per acre. Easy terms. Other bargains.

A. G. COPELAND, LaCygne, Kan.

THIRTEEN hundred breeding or feeding

ewes for sale at four dollars per head. From fifty head up. Pure bred Shropshire buck free with each fifty.

PATTERSON & GUTHRIE, Formosa, Kansas.

FOR SALE OR RENT.

640 a. Thomas Co., Kansas, 440 cultivated; fair improvements; 7 mi. R. R. town; possession; easy terms; bargain if sold soon; might consider trade. Address Box 324, Hastings, Neb.

YOU'LL LIKE LINN COUNTY KAN.

We have abundant coal, wood, natural gas and good water. The land raises magnificent crops of alfalfa, timothy, clover, bluegrass, oats, corn and wheat. R. F. D. and phone at your door. Prices \$20 to \$25 per acre. List free.

A. E. ROOT, Pleasanton, Kan.

160 A. 4 M. TO WAVERLY.

1 mile to school. Good house, 7 rooms and bath, equipped with bath tub and drain, stable, 65 a. in cultivation, 40 a. tame grass, bal. pasture with spring in pasture, well and cistern at house, plenty of fruit. This is a bargain. Price \$60 per A.

MICHAEL & GOUDY, Waverly, Kans.

60 MILES

Herington, on Orient, 640 acres, one mile new town; 170 acres creek bottom, 40 alfalfa, 500 good farm land. Good house, barn, running water, timber. Price \$35.00, will carry half at 6 per cent. Best bargain in Kansas.

J. W. BRADSHAW, Herington, Kan.

NESS COUNTY LAND.

400 acres 1 1/2 miles from Ness City, good 5-room stone house, barn and 2 good wells and wind mills, well fenced, 100 acres fine alfalfa land, land lays good and smooth, handy to school. Price \$22.50 per acre. Write for my printed list or farms and ranches.

GEO. P. LOHNES, Ness City, Kan.

A REAL SNAP IN NORTHEAST KANSAS.

160 acres 40 miles from Kansas City, 3 miles from small town and shipping station, 5 miles from McLouth, good location, near school, 4-room house, stable, chicken house, never failing well, all cultivating land but 6 acres, about half in grass. This is a bargain. Price \$55 per acre. \$1,800 will handle this farm, balance at 5 per cent. **W. M. PENNINGTON, McLouth, Jefferson Co., Kansas.**

HOG & CORN FARM \$45 PER A.

160 a. 1 mile town on Main Line into K. C. 100 a. rich bottom corn ground in cultivation; good 5 room house; big new barn 88x32x16; other buildings and hog sheds & scales; 120 a. fenced hog tight with woven wire; cross fenced for grading hogs. Must sell immediately. \$45 per a. Half cash, bal. to suit.

B. H. DUNBAR, Tyro, Kan.

KANSAS WHEAT AND ALFALFA LANDS.

Come to Comanche Co., Kansas, where the 1910 wheat crop went from 25 to 40 bu. per acre. Where two crops will pay for the land. Where alfalfa makes the finest seed crop. Where you can buy good land from \$20 to \$40 per acre. Write or call on

J. L. OVERSTREET, Coldwater, Kansas.

FINNEY COUNTY LANDS

That produce mammoth crops of sugar beets, alfalfa and all staples, at reasonable prices on good terms. Prices are advancing rapidly; now is the time to buy. Write for prices, description and full information.

CHARLES D. GORHAM, Garden City, Kansas.

85 MILES SOUTH OF KANSAS CITY

320 acres, 1 1/2 miles from good town, on M. & K. T., all level, no stone, plenty of fruit and water, improved, 260 acres in cultivation, balance prairie meadow. Price \$45.00 per acre. Worth \$55.00 to day. Write quick. Other farms.

S. S. IRWIN, Kincaid, Kan.

JOHN W. BAUGHMAN

Prices \$10 to \$50.

Terms: 1-10 down, bal. 1-10 monthly. Good level, well located lots, in rapidly growing town. Best lot proposition ever offered. Sure profits. To get the choicest locations write today.

PLAINS TOWN LOTS

KANSAS

FOR SALE

Good corn, wheat and clover Farms in Bates Co., Mo.

C. W. HESS, Butler, Mo.

MISSOURI FARM LANDS—No better

grain and stock land anywhere: good values; fine schools, fine climate. List and prices free. **Fulton Real Estate Agency, Fulton, Mo.**

490 ACRES

may farm for sale at a bargain. **C. R. CANTRALL, Fredonia, Kansas.**

WRITE FOR FREE LIST JUST OUT

of Lyon and Coffey County and Western Kansas lands, for sale or exchange. Send your name today.

COLE & HEDRICK, Hartford, Kan.

COFFEY COUNTY, KANSAS. Write today for our new list of corn, wheat, alfalfa, clover and bluegrass farms at \$40 to \$65 per acre.

STEWART LAND CO., LeRoy, Kan.

ALLEN COUNTY IMPROVED FARMS

\$40.00 and up. Cheapest land in Kansas, rainfall and location considered. Information free. **IOLA LAND CO., Iola, Kansas.**

EASTERN KANSAS.

160 A. well improved, can all be plowed. 2 mi. from Richmond. If sold soon \$52.50 per a. Write us or better come see it.

RICHMOND LAND & LOAN CO., Richmond, Kansas.

ANDERSON COUNTY BARGAINS.

160 acres, good improvements, 1 1/2 miles good town, \$45 acre. Improved 160, 8 miles Garnett, \$6,400, Improved 80, \$3,000. Write for free list.

J. E. CALVERT, Garnett, Kansas.

160 ACRES IMPROVED.

3 miles from Richmond. Price \$50 an acre. Write

C. W. FEUERBORN, Richmond, Kan.

FOR SALE.

The best 400 acres, valley farm in southeastern Kansas. Splendid improvements; no waste land. Write me quick!

C. R. CANTRALL, Fredonia, Kansas.

\$2,000 CASH BUYS 160 ACRES.

We offer 160 acres of fine land well improved, 6 miles to R. R. station, at \$50 per acre, \$2,000 cash, balance ten years at 7 per cent, we guarantee this proposition to be a bargain.

WOODFORD BROS., Burlington, Kan.

160 ACRES 2 1/2 MILES FROM HARTFORD.

extra well improved, all kinds of fruit, half in cultivation, half in grass. 25 down to alfalfa, good stand, quick sale \$65 per acre, leave \$3,500 on farm at 5 per cent. 30 page list of bargains free.

HARTFORD REALTY & LOAN CO., Hartford, Kansas.

DICKINSON COUNTY LAND.

240 a., 6 miles from county seat, 5 room house, stable, never failing well, windmill, tanks for 50 head stock, 160 a. grass, 80 under cult., fenced and cross-fenced, splendid stock and dairy farm. \$40 per acre. Easy terms.

M. R. JOLLY, Abilene, Kansas.

DO YOU KNOW

that you can still buy wheat and alfalfa land in Ford County, for \$15.00 an acre and up? List free.

J. E. REESER & CO., Dodge City, Kansas.

182 ACRES AT \$45 PER ACRE.

Six and 1/2 miles from Burlington, Kan. County seat. The biggest bargain in Coffey Co. Will carry \$4,000 mortgage on this place, write us.

WOODFORD BROS., Burlington, Kan.

WESTERN AND WEST CENTRAL KANSAS

corn, wheat and alfalfa lands, at \$12.50 per acre and up. Write today for new list, mailed free.

PORTER YOUNG, Great Bend, Kansas.

GRAY COUNTY WHEAT LANDS

that often pay for themselves in one crop, \$10.00 to \$25.00 per acre. Write for full information to

KANSAS LAND CO., Cimarron, Gray County, Kansas.

MISSOURI LAND

IMPROVED corn, clover and bluegrass

farms 40 miles south Kansas City. \$50 to \$75 per acre. Jot M. Wilson & Son, Harrisonville, Mo.

MISSOURI FARMS, 50 miles east of Kansas

City on Mo. P. Ry., in Johnson Co. We raise corn, wheat, oats. All tame grasses. Call, or write me at bank.

JOS. GREAVES, Kingsville, Mo.

IF YOU WANT TO BUY a good farm in

southwest Missouri or city property in Springfield, Mo., write A. B. Crawford, Springfield, Mo.

IF YOU WANT A HOME in the Ozarks,

where the water is pure. Write for my free list. Low prices. **G. W. Peck, Dixon, Mo.**

DO YOU WANT TO SELL YOUR FARM?

Write us, we will give you good information. **Hoffman's Compiled List Report, 223 Sedgwick Block, Wichita, Kan.**

WEBSTER COUNTY, MO., farm lands,

\$20 up. Prices advancing rapidly. Now is the time to buy. Our land list gives prices and descriptions. Free list with map if desired. **R. S. Phillips & Co., Marshall, Mo.**

IN THE OZARKS.

Dairy, truck, poultry and fruit lands \$5 to \$50 accordingly, on terms to suit. I own over 10,000 acres and can give you what you want. Large illustrated folder, list and maps free.

P. H. RUCKER, Rolla, Mo.

FOR SALE—Central Missouri farms,

send for list, 200 farms in Callaway Co., Mo., with full description and price for each; in Missouri's best grain and bluegrass county. **Koontz & Palmer, Fulton, Missouri.**

MISSOURI FARMS

For sale or exchange in Morgan county, where corn, clover and bluegrass grow to perfection. Prices from \$10 to \$65 per acre on liberal terms. Write for county map and list, both free.

CREWSON & HARRISON, Versailles, Mo.

FOR SALE

Good corn, wheat and clover Farms in Bates Co., Mo.

C. W. HESS, Butler, Mo.

MISSOURI FARM LANDS—No better

grain and stock land anywhere: good values; fine schools, fine climate. List and prices free. **Fulton Real Estate Agency, Fulton, Mo.**

MISSOURI

The home of corn, clover, blue-grass and fat stock. Lands in the heart of this great state for less than Central or Northeastern Kansas lands. Write for list, sent free upon request.

BARTHOLOMEW & SLACK, Calhoun, Missouri.

MISSOURI FARMS.

Well improved farms in best farming section of Missouri, \$50 up. Ranches \$10 to \$25. Natural home of corn, clover and bluegrass. Abundance of pure spring water. Descriptive price list free.

J. H. FREDERICK, Cole Camp, Benton Co., Missouri.

5,000 ACRES cheap farm land, tracts to suit; Green county; part improved, balance good timber; good soil and water; \$10 per acre upward; liberal terms; descriptive literature free. **Ozark Land Co., 806 1/2 Booneville, Springfield, Mo.**

CORN, CLOVER, BLUEGRASS, BEST

IMPROVED FARMS IN MISSOURI.

640	.....	\$55.00
310	.....	45.00
260	.....	60.00
320	.....	60.00
320	.....	67.50
120	.....	65.00
160	.....	60.00
80	.....	60.00
210	.....	45.00

For full description, terms, etc., address, **J. P. HART & CO., Butler, Mo.**

TEXAS LAND

FOR FREE INFORMATION about Pan-

handle of Texas and western Oklahoma lands at \$8 to \$20 an acre, write to or call on **J. A. WILLIS & CO., Higgins, Texas.**

SHALLOW WATER BELT

Of the famous South Plains of Texas, where we can sell you good land, near schools, churches, markets and railroads for \$14 an acre and up. Write for our free descriptive circular. **JONES-MURPHY LAND CO., Plainview, Texas.**

ATTENTION, FARMERS AND INVESTOR.

Colorado Land Oklahoma Land

NEW LAND OPENING. NEAR PUEBLO, COLORADO.

Two miles from station on two trunk lines of railroad. Finest quality of alfalfa, fruit and vegetable land, ready for the plow with ample and perpetual water supply all ready for use. No failure here—water your own crops when they need it and get big results. Close to large markets with high prices. No healthier climate in the world. Good altitude, good spring water. This is the lowest price, first-class irrigated land in Colorado, and the first allotment will be sold out with perpetual water right at less than one-half the price of adjoining irrigated lands. Get in now at first cost and double your money. Excursion every Tuesday. Come with us and look this great bargain over before prices advance. Low round trip rates. Write for free booklet. Do it today.

THE HEATZ COMPANY, TOPEKA, KANSAS.

WRITE OR CALL UPON US

for information about Eastern Colorado. We have 100,000 acres in the shallow water belt that will make \$100 alfalfa land; can be bought now for \$5 to \$15 per acre.

Kit Carson Company

Kit Carson, Colorado

Send for a copy of our free book, telling about good homes and money making investments. Illinois Realty Co., Monte Vista, Colo.

LIVE AGENTS wanted to sell Washington county land; big crops are being raised every year. Write for offer. The Clary Land Co., Akron, Colo.

\$7 TO \$15 PER ACRE on liberal terms. Homestead relinquishments \$100 to \$800 each. Where rainfall is plentiful and prices are rapidly advancing. Write for full information stating what you want. Maher & Hanks, Deer Trail, Colo.

YUMA COUNTY, COLORADO lands that raise big crops of all staples, \$10 to \$15 per acre. Great opportunities for homesteaders and investors. I own a few quarters which I will sell cheap.

A. L. KISSENGER, U. S. Commissioner, Yuma, Colorado.

8,000 acres choice land at \$1,200 per qu., 1 or all, \$80 acres imp., good house and fenced, 120 a. broke. Price \$20 per a.; will take \$2,000 in trade and carry \$4,000 back on farm. We have cheap relinquishments. Write us. The Akron Land Co. (Inc.), Akron, Colorado.

FAMOUS Grand River Valley lands pay big interest on capital invested. Prices advancing rapidly; now is the time to buy. Write for large, 60-page descriptive pamphlet, mailed free upon request.

\$ FOR \$ REALTY COMPANY, Fruita, Colorado.

LA PLATA COUNTY irrigated lands \$25 an acre and upward. In new country, about to be tapped by another railroad—the C. & S. Fruit, vegetables and all staples produce big crops. Price lists and large pamphlet free.

BOYLE REALTY CO., Durango, Colo.

HOMESTEAD RELINQUISHMENTS and cheap deeded lands, Kiowa county is still cheap, but is bound to develop several times in the next few years. Write for further information.

LINN & CHERMAK, Haswell, Colorado.

400 ACRES ALFALFA AND WHEAT LAND in Arkansas Valley of Colorado, level, fine soil, two water-rights, house and barn, windmill and tank, nearly all in cultivation, two miles from Granada, 1/2 mile leading station on main line of Santa Fe. \$30 per acre. Good terms. ANDRES TOWNSLEY, Owner, Granada, Colo.

KANSAS LAND.

KANSAS LAND.

COME TO FORD COUNTY AND GET RICH

Come to the famous Ford County wheat belt, where two crops pay for the land. If I do not show you that this is true I'll pay your fare for the round-trip. Best of climate, soil and water. Descriptive price list upon application.

G. L. PAINTER & CO., Dodge City, Kansas.

EASTERN KANSAS FARM BARGAIN.

160 acres, 6 1/2 miles from Osage City and 2 1/2 miles from Barclay, Kan., 85 acres under cultivation, 2 acres orchard, balance native grass, 6-room house, barn for 8 horses with loft, cow barn, corn crib, hen house and other outbuildings, plenty of good water, all smooth land, R. F. D. and phone, 65 acres of corn goes with farm if sold in 30 days. Price \$7,500. For full particulars write

J. C. RAPP & CO., Osage City, Kansas.

A BARGAIN FOR THE RIGHT MAN.

160 acres of all good alfalfa, corn and wheat land, 100 acres in cultivation, balance pasture and meadow, 10 acres in alfalfa; all fenced and cross-fenced; improved with small improvements, orchard and shade; an abundance of fine water at a depth of 25 feet; this farm lies 6 miles from Wichita and 1 mile from leading station. Price \$80 per acre, \$2,500 down, the balance on or before ten years.

EDWIN TAYLOR REALTY CO., 107 South Main St., Wichita, Kansas

WILL TAKE PART IN TRADE.

We have just listed a nice 380 farm, well improved and nicely located, that we can sell for \$5,000 cash, balance on good terms and will take a half section of western land as part payment. Also have 22 acre improved suburban place to trade for Kansas farm.

DONAHUE & WALLINGFORD, Mound Valley, Kansas.

SPECIAL FARM BARGAINS.

Eighty acres limestone soil, 55 acres cultivation, bal. grass; fine orchard, bearing; good house and barn; fine water; half mile to church and school; fine neighborhood; 4 miles to town. Price \$35 per acre, \$1,200 down; 10 years time bal. Write for list.

L. B. DAVIS & SON, Elk City, Kansas.

THE STRAY LIST

Florence Irwin, County Clerk, Edwards Co. TAKEN UP—One cow 7 or 8 years old, red and white, no marks, valued at \$25. Was taken up Feb. 5, 1910, by Mary A. McGinty of Belpre twp.

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

BEST BARGAINS IN THE WEST.

Fruit and stock farm, well improved, in center of Montezuma valley, close to county seat; land will be worth several times its present value for orchard purposes; pays 25 per cent annually on a valuation of \$26,000.

VINCENT & WOODS, Cortez, Colo.

EASTERN COLORADO LANDS.

Rich, fertile land, \$15 to \$20 per acre, on good terms. Irrigated lands, that produce mammoth crops of sugar beets, alfalfa, wheat and oats, \$60 and up. New list and descriptive literature free. Thomas B. Ashlin, The Arkansas Valley Real Estate Man, Granada, Colo.

ONE and one-half sections of land about 25 miles east of Denver, about 800 acres tillable; suitable for dry farming or pasture; creek 1/4 mile away, other farmers near; price \$6.50 per acre, \$4,000 cash, balance 5 yearly payments and interest; title good. Railroad contract until fully paid. Henry F. Sommers Real Estate & Loans, 413 Mercantile Building, Denver, Colo.

EASTERN COLORADO

Farm lands near the new and rapidly growing town of Brandon for \$10 to \$15 per acre. Great opportunities for home seeker and investor. Write for full information. C. D. BLANCHARD, Brandon, Colorado.

PAONIA, COLORADO

In the best fruit section of the Western Slope. Fruit land pays 20 per cent per annum on the capital invested. Prices still reasonable, but advancing rapidly. Write for free illustrated folder, containing much interesting information.

C. C. HAWKINS, Paonia, Colorado.

GRAND RIVER VALLEY

The famous orchard district of the western slope of Colorado, orchard tracts in any size to suit purchaser at various prices. Bearing orchards often pay \$500 an acre net profit per annum. Write for full information.

E. A. LOOMIS, Fruita, Colorado.

EXCHANGE A SPECIALTY.

Large tracts and farms in Oklahoma. To trade for Kansas, Neb. and Mo. lands. Write us no difference what kind of deal you want. We make a specialty of bargains in Okla. land. Can show you a home for from \$500.00 up. Can handle merchandise, good property, well secured paper, etc. We have good crops, good people, fine climate and good soil. We want to show you. Write for our free list. GASTON & RICHARD, with Richard Realty Co., Woodward, Okla.

FREE INFORMATION about Oklahoma. Homer H. Wilson. Here since 1893. Eads, Oklahoma.

EASTERN OKLAHOMA corn and alfalfa land; abundant rainfall; healthful climate; titles perfect; terms. Write Hunter Land Co., Tulsa, Okla.

FOR FREE INFORMATION about western Oklahoma and eastern Panhandle lands at \$10 to \$30, write or see Cooley & Guthrie, Gage, Okla.

IF YOU want to buy Texas Panhandle or Western Oklahoma lands at lowest prices on best terms, write or see ALLISON-CROSBY & CO., Texoma, Texas Co, Okla.

EASTERN OKLAHOMA CORN LANDS.

Write for our illustrated booklet, state map and price list of our fine river bottom and prairie farms. Big crops of corn, oats, alfalfa, wheat, cotton, etc., every year.

R. B. BEARD & CO., American Nat. Bank Bldg., Muskogee, Okla.

EASTERN OKLAHOMA.

Improved farm, 160 acres, good, new house, half section of unimproved land. Very fine. Several other good bargains. Write me if you want to know about Eastern Oklahoma. T. C. BOWLING, Owner, Pryor Creek, Okla.

FOR SALE.

A well improved bottom farm of 584 acres on Grand River, six miles of railroad town. This is one of the best farms in Oklahoma. No overflow. No trade. Price \$50 per acre. Write

J. T. RAGAN & CO., Vinita, Okla.

POCKET MAP OF OKLAHOMA, FREE to anyone sending us the addresses of five farmers who expect to change their location. Caddo County Farm Bargains.

BALDWIN & GIBBS CO., Anadarko, Oklahoma.

COUNTY SEAT FARM.

4 1/2 miles of Medford, 120 a., in cultivation, 40 a. pasture, 5 a. alfalfa, 200 rods hog fence, good granaries, 35 a. to wheat, good water. Black soil. \$2,000 mortgage for 2 years. Only \$4,500 cash with immediate possession. "Write for list."

BATTEN REALTY CO., Medford, Okla.

OKLAHOMA SCHOOL LAND.

One million acres to be sold soon. Terms 5 per cent cash; balance 40 years at 5 per cent. Rules governing sale and description of each quarter section of land, and the improvements thereon in book form, can be secured for twenty-five cents. Address

Southwestern Land Development Co., Guthrie, Okla.

FOR FREE information about Eastern Oklahoma alfalfa farms, write Atwood & Zenner, 106 N. Second Street, Muskogee, Oklahoma.

CORN, OATS, WHEAT and alfalfa and all staple crops grow to perfection here in the garden of Oklahoma. Prices reasonable. Write for list and descriptive literature. C. E. POCHET, Newkirk, Okla.

A FEW BARGAINS NEAR WAGONER, OKLAHOMA.

200 acres, 5 miles from town, good new 5-room house and barn 60x80, all tillable. Price \$35 per acre. 40 acres 1/2 mile from Wagoner. All smooth, fine land, every acre tillable. Price \$37.50 per acre. Write W. H. LAWRENCE, The Land Man, Wagoner, Oklahoma.

INDIAN LANDS FOR SALE.

300 choice farms in N. E. Oklahoma. Low prices and easy terms. Write for map and price list.

LEAVITT LAND COMPANY, Vinita, Oklahoma. Agents Wanted.

LAND OPENING

Carey Act Lands

In the famous Uva Valley UVA, WYOMING

Thursday and Friday October 6 and 7, 1910

Low Prices 10 Years' Time

Fine climate, plenty of water for irrigation and domestic use, quick cash markets, splendid Railway Facilities, good schools, churches, phones and R. F. D. Send at once for printed matter, excursion rates, etc.

O'Neill Land Company 202 Marquette Bldg., Chicago

ARKANSAS LAND

BENTON COUNTY, ARKANSAS, 20 years experience. Write us about fruit farms. C. R. Craig & Co., Bentonville, Arkansas.

TOO LATE TO CLASSIFY.

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

Up-to-date Poland China hogs. Write your wants.

H. N. HOLDEMAN, Meade, Kansas.

COBURN HERD OF RED POLLED CATTLE and Percheron Horses. Young stallions, bulls and heifers for sale.

Geo. Groenmiller & Son, Pomona, Kan.

THIRTEEN hundred breeding or feeding ewes for sale at four dollars per head. From fifty head up. Pure bred Shropshire buck free with each fifty.

PATTERSON & GUTHRIE, Formosa, Kansas.

Sunshine Herd Poland Chins

An exceptionally fine litter of March pigs, by Bandmaster out of a Chief On & On sow. A. L. ALBRIGHT, Pomona, Kansas.

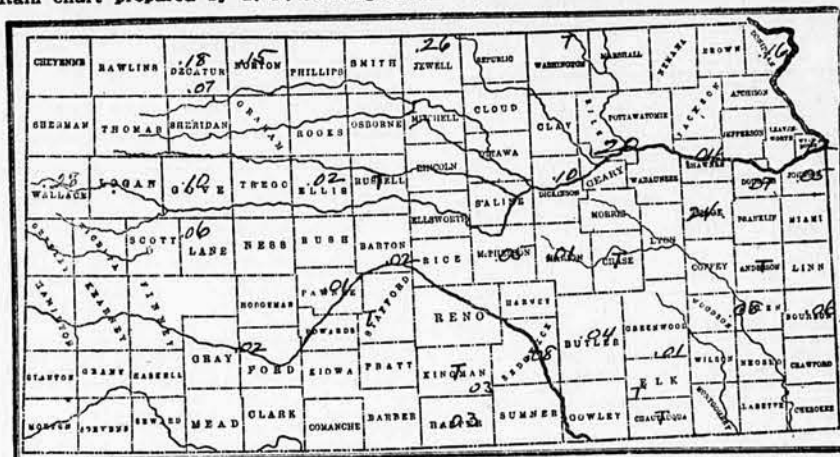
SPRING CREEK HERD HEREFORD'S Headed by Christy 234417, Prairie Donald by Beau Donald 7th, and Sir Morgan by Onward 18th. Cows of Anxiety 4th, Hesold, etc. breeding, including Imp. animals. Over 100 head in herd. Few choice young bulls and some females for sale.

TOM WALLACE, Barnes, Kansas.

BATES COUNTY wheat, corn, bluegrass and clover farms, \$50.00 an acre and up. All well improved, money makers from the start. Write or see CANTERBURY & CO., Butler, Mo.

KANSAS CROP REPORT and Rain Fall for week ending September 24

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



SCALE IN INCHES.

Less than 50. 50 to 1. 2 to 3. Over 3. T. trace.

General Conditions.

This has been one of the warmest third weeks in September since the service began in '86. The temperature was continuously above normal, being 8 degrees above normal daily. The dry weather which has continued since the 8th, was broken on the 22nd, since which time mild rains have occurred in all parts of the state except in the northwestern counties, where the cloudbursts occurred causing much damage to bridges, culverts,

etc. The late corn has matured well and is now nearly out of frost's way. Early corn has been generally cut and is now in shock. The conditions are quite favorable.

Results.

Eastern Division. Allen—Corn curing nicely, cutting of early corn continues. Anderson—Corn cutting is the order of the day. Pasture fine. Wheat sowing begun. Ground in good condition.

(Continued on page twenty-three.)

Reader's Market

Place

**CLASSIFIED
ADVERTISING**
**ONLY 3 CENTS
PER WORD**

Advertising "bargain counter." Thousands of people have surplus items or stock for sale—limited in amount or numbers hardly enough to justify extensive display advertising. Thousands of other people want to buy these same things. These intending buyers read the classified "ads"—looking for bargains. The "ads" are easy to find and easy to read. Your advertisement here reaches a quarter million readers for 3 cents per word, for one, two or three insertions. Four or more insertions, the rate is 2½ cents per word. No "ads" taken for less than 30 cents. All "ads" set in uniform style, no display. Initials and numbers count as words. Address counted. Terms always cash with order. Use these classified columns for paying results.

HELP WANTED.

WANTED—LOCAL MEN TO TAKE ORDERS for high grade western grown nursery stock. Experience unnecessary. Outfit free. Cash weekly. National Nurseries, Lawrence, Kansas.

SALESMEN—TO SELL GROCERIES AT WHOLESALE direct to farmers, ranchmen, etc. Good pay, steady work; latest plans. Our groceries are better than ordinary stores sell and save customers 25 per cent. Build a permanent business that will pay better than a store. Apply with references—K. F. Hitchcock-Hill Co., Wholesale Grocers, Chicago.

REAL ESTATE.

BUY OR TRADE WITH US. SEND FOR LIST. Bersie-Meredith, Eldorado, Kan.

CHOICE CORN AND ALFALFA FARMS. \$52 to \$90 per acre, terms. Write, H. Mellor, Whitewater, Kan.

WE CAN TRADE YOUR PROPERTY— Book of 500 exchanges free. Graham Brothers, Eldorado, Kan.

EXCHANGES, QUICK SALES, LARGE LIST. Address Room 1, Continental building, Omaha, Neb.

ARKANSAS FARMS. BIG LIST. SPECIAL BARGAINS. Sent free. Write today. Z. Riggs, Fayetteville, Ark.

GREELY COUNTY, KANSAS; 160 ACRES; \$1,300, smooth, level, unimproved; \$500 down, balance easy terms. Clement L. Wilson, Tribune, Kansas.

WANTED TO BUY EQUIPMENT FOR farm located on good farm for rent. Central or Eastern Kansas preferred. Address Box 255, Hutchinson, Kan.

GOOD FARMS WANTED IN EXCHANGE for Kansas City income property. Send full particulars and make price right. M. F. Simmons, Kansas City, Mo.

WANT TO PURCHASE—UNIMPROVED. good, low priced western Kansas land, for speculation. Price must make them a special buy or snap. Land Investment Company, Chanute, Kan.

FARM LOANS MADE IN ANY AMOUNT from \$500 up at lowest rates and on most favorable terms. Betzer Realty & Loan Co., Columbian Bldg., Topeka, Kan.

2 MILES FROM KANSAS STATE AGRICULTURAL COLLEGE. Choice bottom tracts 5 a. or more. One mile from Manhattan. Easy terms. A. M. Jordan, Owner, Route No. 4, Manhattan, Kan.

160 ACRE IMPROVED FARM IN SHERMAN COUNTY, KANSAS, for immediate sale; cheap price good terms; adjoins a good market town. Write Wade Warner, Goodland, Kansas.

FOR SALE—MY 340 ACRE IMPROVED Rice Farm, 5 miles west of El Campo, Wharton Co., Tex. No. 1 farm and good location. Buy from owner and save commission. Address R. F. D. No. 2, Box 70, El Campo, Tex.

OREGON INFORMATION—FOR AUTHENTIC detailed information concerning fruit growing, dairying, general farming, manufacturing and business opportunities in any part of Oregon, address Portland Commercial Club, Room 642, Portland, Ore.

CATTLE.

FOR SALE OR TRADE—One stallion, 5 years old, Belgian and Percheron bred. Call or write J. J. Baker, Blue Mound, Kan.

FOR SALE—100 POLLED JERSEYS. 60 at auction near St. Louis. Chas. S. Hatfield, secy., Box 8, R. 4, Springfield, Ohio.

REGISTERED YEARLING AND TWO- year-old Jersey heifers; latter bred. Write for description. Kirkpatrick & Sallee, Wellsville, Kan.

FOR SALE—ELEVEN HEAD OF REGIS- tered Jersey heifers, 20 to 28 months—5 in milk and others bred—all in calf to my imported son of Noble of Oaklands (king of the Island). Heifers by Financial Count (see other adv.). My Noble bull has same dam line as Financial Count. Sayda Polo Jersey Farm, Parsons, Kan.

ALYSDALE SHORTHORNS. HERD headed by Archer's Victor No. 292012. For sale, a choice lot of richly bred yearling bulls, also some heifers and cows, at prices easily within the reach of any farmer who wishes to improve his herd. Write or call on Chas. W. Merriam, Columbian Building, Topeka, Kan.

FOR SALE—10 UNRECORDED HOL- stein cows and heifers, 20 extra fine red and roan milk cows; 2 registered Holstein bull calves, four and seven months old; 3 unrecorded Holstein bull calves, one to five mo. old; also my herd bull, Beachwood Brownell 6th, three years old. For other information and prices, address, S. E. Stoughton, Route No. 4, Hutchinson, Kan.

FOR SALE—THREE YEARLING JERSEY bull calves ready for service—two at \$75 and one \$65. Sired by Financial Count 61316 (by same sire as Financial Countess, ex-champion Jersey butter cow, 935 lbs. in year, dam twice winner over Island and next three dams 24 to 26 quarts milk in public test. Dams of bull calves sired by Stoke Pogis Marigold, whose dam and sire's dam were 25-lb. butter a week cows. Sayda Polo Jersey Farm, Parsons, Kan.

HORSES AND MULES.

FOR SALE OR TRADE—FOR CATTLE or sheep, six jacks, 2 to 6 years old, good colors, 14 to 15½ hands high; one registered Percheron stallion, wt. 2,000 lbs., black, 5 years old; good breeder; can show colts. J. C. Hentzier, Route 3, Topeka, Kan., 1-3 mile south of fair grounds.

SHEEP.

SHROPSHIRE SHEEP, SPRING RAMS, of best of breeding and quality at reasonable prices for quick sales. E. P. Gifford, Beloit, Kan.

POULTRY.

S. C. WHITE LEGHORN COCKERELS \$1.00 each. Mrs. Dora McConn, Colony, Kan.

FOR SALE—BOURBON RED TURKEYS. 7 and 8 dollars pair. P. D. Briggs, Sedan, Kan.

THOROUGH-BRED ROSE COMB BROWN Leghorn young roosters for sale. J. H. Albers, Nashville, Kan.

DARK CORNISH COCK AND HENS; also White Cornish cock at half price the month and next. M. J. Van Eman, Box F, Elgin, Ohio.

FOR SALE—BLUE RIBBON STRAIN S. C. Rhode Island Red cockrels and pullets; low prices now to make room for winter breeders. C. W. Murphy, Lawrence, Kan.

FINE BARRED ROCKS—GOOD LAY- ers; farm range. Eggs \$1 for 15 or \$1.75 for 30, or \$5 per 100. Mrs. John Yowell, McPherson, Kan.

DOGS.

SCOTCH COLLIES—PUPS AND YOUNG dogs from the best blood in Scotland and America now for sale. All of my brood bitches and stud dogs are registered; well trained and natural workers. Emporia Kennels, Emporia, Kan. W. H. Richard.

25 SCOTCH COLLIES FOR SALE—SAB- ble and white. The blood of C. H. Wells-bourn Hope and all the leading breeds. Female pups \$5, males \$8. Two extra well-trained bred females and one stud dog for sale. Priced reasonable. W. J. Honeyman, Madison, Kan.

FOR SALE—FINE BROWN AND black spaniel puppies, "the children's friend." Fine house and watch dogs and great playmates for children. Males \$10, females \$5. Also pedigree Berkshire pigs. Satisfaction guaranteed. Address Thordale Kennels, Wayne, Kan.

SEEDS AND PLANTS.

FOR SALE—KHARKOF SEED WHEAT, college bred, \$1.50 per bushel, sacked. J. A. Lovette, Mullinville, Kan.

FOR SALE—PURE COLLEGE BRED Kharkof seed wheat, re-cleaned, \$1.25 per bus. Seamless sacks 20 cts. A. M. Dull, Washington, Kan.

WANTED—NEW CROP ENGLISH BLUE grass or meadow Fescue, Timothy or other grass seeds. Correspond with The Barteldes Seed Co., Lawrence, Kan.

FOR SALE—ALFALFA, MILLET, CANE, buckwheat, turnip and other seasonable seeds. Prices and samples on application. The Barteldes Seed Co., Lawrence, Kan.

ACETYLENE LIGHTING.

FOR PERFECT LIGHT USE THE "Brauer" acetylene generators for house, church and store installations. The "Beck Iden" acetylene lamps for table and hanging lamps both give perfect satisfaction. Henry B. Peers, State Agent, 1603 Western Ave., Topeka, Kan.

PATENTS.

SEND FOR FREE BOOKLETS—ALL about patents and their cost. Shepard & Campbell, 500 J. Victor Bldg., Washington, D. C.

MISCELLANEOUS.

LEARN WIRELESS & R. R. TELE- GRAPHY! Shortage of fully 10,000 operators on account of 8-hour law and extensive "wireless" developments. We operate under direct supervision of Telegraph Officials and positively place all students, when qualified. Write for catalogue. Nat'l Telegraph Inst., Cincinnati, Philadelphia, Memphis, Denver, Portland, Ia., Columbia, S. C., Portland, Ore., and Enid, Okla.

REBUILT TYPEWRITERS. WE HAVE all makes. New C price list just out with some exceptional bargains. If you are interested don't fail to write today. We rent typewriters, allow three months rent to apply on purchase price. Have largest stock of machines in the west to select from. Our machines do work like new. Repair work done on all makes. American Writing Machine Company, 817 Wyandotte St., Kansas City, Mo.

50 Big Boars at Stump's.

W. R. Stump, Poland China breeder of Blue Rapids, Kan., reports good sales so far this season. In fact the demand has been so good for boars that Mr. Stump has decided not to hold his fall sale. So everything is for sale privately in the boar line. He has 50 good ones sired by Captain Hutch and Kansas King by Graniteer. Mr. Stump will hold two bred sow sales on Jan. 26 and Feb. 28. Quite a large per cent of the sows and gilts included in these sales will be bred to his great young boar Faultless Chief, by Fulton's Chief, and out of Faultless Hutch by old Hutch. Write Mr. Stump about the boars and mention Kansas Farmer.

Camp Wilderness Galloway Herd DISPERSION SALE

Will Be Held at the Ranch Near

JETMORE, KANSAS, TUES., OCT. 4, 1910

The Best Herd of Galloways in Kansas. 20 Years Breeding.

150 Head of Galloway Cattle and Horses

Includes 14 BULLS, COWS and HEIFERS from such sires as Chief 2d of Brookside (out of Mary Miller, mother of two champions), Imp. Captain 3d of Tarbreoch, Imp. Scottish Chief 3d of Castlemilk, and Imp. Camp Follower of Stepford; 30 BREEDING COWS and HEIFERS, bred to crack bulls, 35 CALVES that are crackjacks; 12 COWS, HEIFERS and STEERS, one mark; 3 MILK COWS.

35 PICKED 2-YEAR-OLD STEERS

EIGHTEEN GOOD HORSES and MARES, THE RANCH KIND, MORGAN and HAMBLETONIAN GRADES BRED TO REGISTERED PERCHERONS AND JACKS. Several saddle horses.

A trip to Camp Wilderness will be worth while. Sale held rain or shine. Free conveyance from Jetmore to the ranch—grub for the hungry and a blanket for the tired.

Arrange to come. For further information write

CHAS. H. JACKSON, JETMORE, KANSAS


ROBISON'S

FALL SALE NOV. 10, 1910

 Percherons, all ages
For Sale Now

 ADDRESS
J. C. ROBISON, Towanda, Kan.

BLUE RIBBON STOCK FARM

SEE OUR EXHIBIT OF PERCHERON STALLIONS AND MARES AT AMERICAN ROYAL, KANSAS CITY, Mo., OCT., 10-16, 1910. GOOD STOCK FOR SALE AT REASONABLE PRICES.

LEE BROS. :: :: :: :: Harveyville, Kansas

DUNHAMS' PERCHERONS

Fourth importation for 1910 arrived August 4th. Our present lot, we believe, equals or surpasses any we have heretofore collected. More horses of bone, size and first-class quality than ever. Numerous important prize winners. Write for catalogue.

W. S. J. B. & B. DUNHAM, Wayne, Illinois.

W. H. RICHARDS, Importer

A car load of extra good two and three-year-old Belgian and Percheron Stallions just arrived, August 17. Attractive prices will be given on them now to buyers so they can make a fall season.

 Barns only four blocks from A. T. & S. F. depot,
EMPORIA, KANSAS

LAFAYETTE COUNTY JACK FARM

One mile from town.


50 JACKS Two to five years old, my own breeding, for sale at private treaty.
65 JENNETS Safe in foal to Dr. McCord. My prices will move them.

In my March sale jacks sold up to \$1,625. In my present offering are many that are better. I cordially invite jack buyers to come and see this offering, or write me for further particulars and prices. Address,

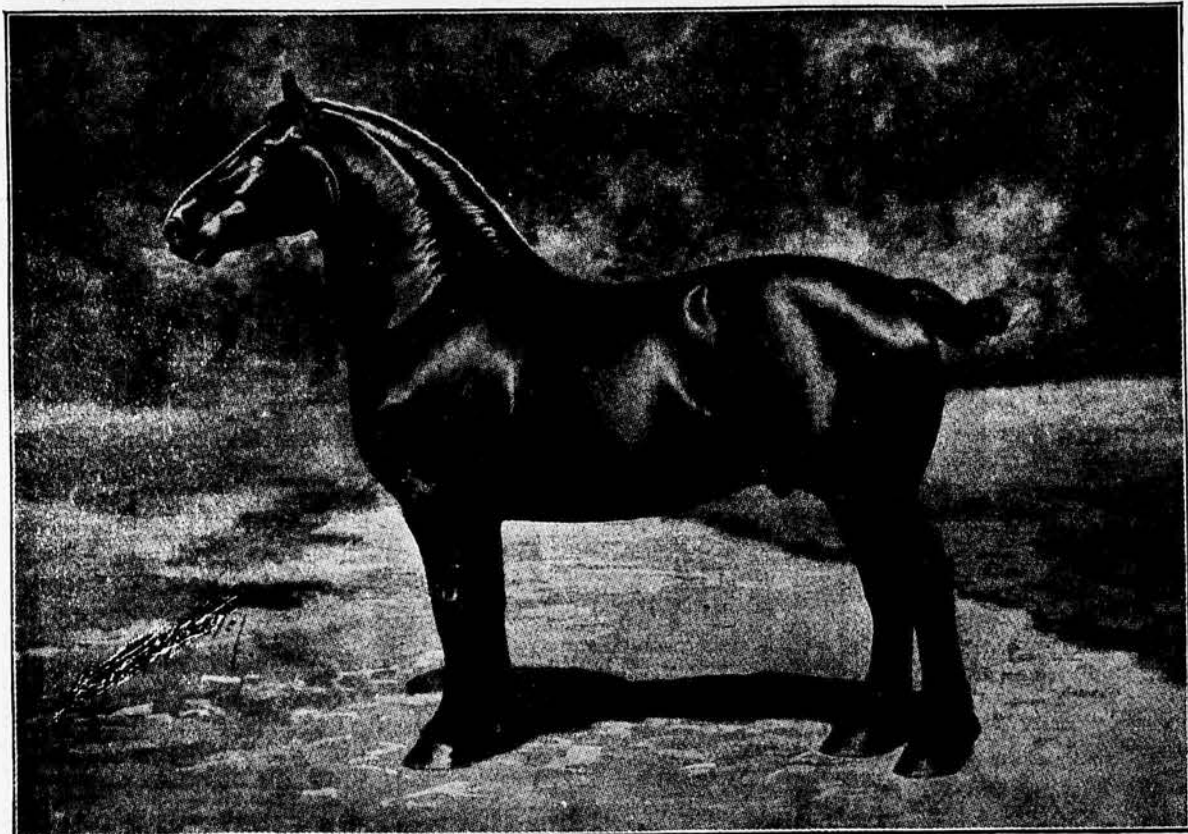
W. J. FINLEY, Higginsville, Mo.

You can safely answer the advertisements in KANSAS FARMER, and buy the things advertised, because we do not allow any advertiser to continue in our pages, if he fails to make good as he advertises. Our guarantee on page 16 is your insurance of honest dealing.

PUBLIC SALE OF

30---Registered Percheron Mares and Stallions---30

BUTLER, MO., MONDAY, OCTOBER 10



A choice lot of 2-year-old fillies in matched teams. They are a clean lot, and I guarantee every animal to be as represented. This is my first sale and I want to sell the best I have on my farm. The breeding is the very best. Send for catalogue, and come to my sale, Monday, October 10. Farm 2½ miles northeast of Butler, Bates county, Mo. Mention Kansas Farmer when you write.

Auctioneers: COL. R. L. HARRIMAN,
COL. C. F. BEARD,

J. W. BARNHART, BUTLER, MO.

25 MARES

Ranging in age from one to seven years.

A Number of Mares Bred and in Foal

5 Stallions

All young and sound,
Black and Grays

**My own raising
and sold sound**

All Animals Registered or Eligible to
any Percheron Book

When writing advertisers please mention Kansas Farmer.

Lamer's Imported Percheron and Belgian Stallions' and Mares' Winnings at Hutchinson, Kan.



After having exhibited a few of my Horses at the State Fair, I again have them in my home stables where I am pleased to have them inspected by all interested parties. Eighty head to select from.

I was awarded prizes as follows:

**NINETEEN (19) FIRSTS
TEN (10) SECONDS
ONE (1) THIRD**

Also Championship on Stallion in Special Class

Considering the strong competition in this line, that was caused by exhibits of many other importers and breeders from many parts of the country—the number of prize ribbons carried off by my stock clearly demonstrates the fact that my recent importation is a variety of the very best horses that are produced in the foreign land.

No "Old, Fat Pumpkins" carried around by me, that have been exhibited at all the shows in the past five years just for an advertisement. Remember, every horse that I showed was imported by me and landed August 1, 1910.

C. W. LAMER :: :: :: SALINA, KANSAS

DOBSON'S HEREFORD SALE

At Farm Near Jefferson, Kansas

THURSDAY, OCTOBER 6, 1910

Having over 200 registered Herefords it is impossible to winter all of them and I am compelled to make this Reduction Sale of 68 Head—11 bulls and 57 cows and heifers. For this sale I have chosen a number of my best breeding cows, together with much of their produce. It is fashionably bred and a great variety of blood is offered—principally Wild Tom, Beau Donald, Garfield, Columbus, Beau Brummel and Imp. Chesterfield. The cows are all regular breeders—many of their calves being included in the sale, a number selling with their dams.

THE COWS

There are 10 cows by Columbus K. (a double grandson of Columbus 51875), 6 by the \$535 Beau Donald 4th (by Beau Donald 58996), 3 by Ferdinand (by Wild Tom), and others by Alphonso 71447, Princeps 8th, Maple Leaf Shadeland 2d, Cavalier 2d, Abe 202934, Chester 77076, Disturbance 129139 and others. All young cows—all old enough are safe in calf. A choice lot of yearling and two-year-old heifers. In excellent breeding condition but raised out of doors and guaranteed to be breeders. Useful, money-making, reliable Herefords.

THE BULLS

There are 11 bulls from calves to three years old—splendid breeding bulls full of vim and energy. Have not been pampered but raised for good, hard service. Bulls of good lines, good heads and horns and extra good bone. One February yearling is by Beau Royal 199349, one April yearling by Debonair 183195, one by Beau Golden, four young bulls—good ones—by Columbus K. and two 2-year-olds—good, big, breedy bulls ready for service. For farm or ranch use these bulls will be big bargains.

The sale will be held at the Onion Valley Hereford farm, two miles northwest of Jefferson, Montgomery Co., Kan. Jefferson is on the Mo. Pac. R. R. and on the trolley line from Independence, Cherryvale and Coffeyville, which are reached by the M., K. & T.; Santa Fe; Missouri Pacific, and Frisco railroads.

R. M. DOBSON, Owner, Independence, Kan.

Auctioneer F. J. ZAUN

IMPORTERS AND BREEDERS.

Percherons Shires & Belgians

75—HEAD MARES AND STALLIONS—75

We landed August 15 with the best lot of mares we could find in Belgium and France. These, with our home bred mares, make a fine selection to offer. Our barns are located on our breeding farm, which consists of 2,600 acres of alfalfa and pasture land. Write or come and see us before buying elsewhere. We can save you money.

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



GRONNIGERS' BIG SALE

OCTOBER 18, 1910

60 Richly Bred Poland Chinas

28 Spring Boars 10 Fall Boars
22 Spring Gilts

The offering is all strictly type, right up to the notch in breeding and individuality. The get of Banner Boy, Sunflower King, Big Hadley's Likeness, Chief Designer, Wedds' Expansion, Colossus, Gold Dust Hadley and Graniteer's Quality out of sons by Sunflowers' King, Expansion, Master Builder, Blain's Tecumseh 2d, Hutch, Kansas Wonder, Quality Lad, W. R.'s Quality, First Quality, Grand Success and Bellmetal. Our entire herd is in thrifty growing condition and there is no disease in this or adjoining counties. As usual we will sell at the farm. Free entertainment and transportation to and from Denton on Rock Island and Severance on Grand Island. Be our guests Oct. 18. Send for catalogue.

HERMAN GRONNIGER & SONS

BENDENA, KAN.

JAS. W. SPARKS, Auctioneer.

SWINGLE'S BIG TYPE POLAND CHINAS ..AT AUCTION..

LEONARDVILLE, Riley Co., KAN.
Tuesday Oct. 11, '10

44 HEAD IN ALL—CONSISTING OF

20 fall and spring boars, 7 sows with litters at foot and about 17 gilts of last fall, winter and spring farrow. Strictly big type. Most of the young stuff was sired by the great boars Colossus 46817 and Ex Mastadon 54361. The first named was bred by the noted big type breeder, Peter Mouw. Ex Mastadon was sired by a son of the great Expansion and was bred by one of Nebraska's good breeders. Size and quality combined has always been my motto and I am sure this offering will please. They will be sold in nice breeding condition but not fat. Write for catalog.

Auctioneer: Jas. T. McCulloch.

A. J. SWINGLE, LEONARDVILLE, KANS.

WHITE PLYMOUTH ROCKS

(EXCLUSIVELY.)

For 18 years I have bred White Rocks, the best of all purpose fowls, and have some fine specimens of the breed. I sell eggs at a reasonable price, \$2.00 per 15, or \$5.00 per 45, and I prepay expressage to any point in the United States.

THOMAS OWEN,

Station B,

Topeka, Kansas.

HIGH CLASS POLAND CHINA SALE

BRONSON, KAN.

OCT. 12, 1910

10 TRIED BROOD SOWS

20 SUMMER FALL YEARLINGS

15 SPRING BOARS, the Pick From 50 Head

10 SPRING GILTS, the Best I have in Herd

The tried sows are some of the best I have in my herd and are some that are regular breeders. They are sold on an absolute guarantee. They are of the most fashionable breeding and will make good for any breeder that will handle them right. I am selling 10 fall yearling gilts, they are as fine as I ever raised and are extra good. The 15 spring gilts are the pick from 50 head and are all good. The 10 spring gilts are my best.

The field men tell me I have one of the best herds in Kansas and I agree with them. A large part of my offering is sired by Silkworm, by Corrector 2nd, and Nobleman, by Meddler 2nd—they are both large and smooth with lots of quality.

My catalogs are ready, send for one and come to my sale. Parties will be met either at Bronson or Moran, Kansas. Send bids to O. W. Devine, representing Kansas Farmer. For catalogs address

W. B. STAFFORD, Bronson, Kan.

Auctioneers: Col. Frank J. Zaun, Independence, Mo., and Col. Smock, Moran, Kan.

When writing advertisers please mention Kansas Farmer.

WHIPPLE'S WILKES BRED POLAND CHINA

... AUCTION ...

FALLS CITY, NEB.

Saturday, Oct. 15th.

60 head in all, 30 boars, 30 females, including 5 tried sows, either bred or with litters at foot sale day. 6 fall gilts, bred. Remainder big, early spring gilts. Included in the boar division is my herd boar, Grand Success, one of the best boars ever sired by old First Quality. 2 fall boars, remainder early spring boars. All of the sows and fall gilts were bred to my intensely bred Wilkes boar, Wilkes Again, and a big per cent of the spring pigs are by him, the others are by Grand Success. The tried sows in my herd are representatives of many quite noted big type boars. Many of them daughters of Grand Success, others are daughters of Jumbo Perfection and Major Wilkes. Breeders that want a big smooth boar to cross on Expansion sows this is the best opportunity of the season. Everything will be sold in good breeding form but not very fat.

Write for catalog, mentioning Kansas Farmer, if interested and unable to be with us, make selections and send bids to Jesse Johnson, in our care, at Falls City. Sale in town.

Auctioneer: Frank Zaun.

J. B. WHIPPLE, Falls City, Neb.

...Wise's Double Header Poland China Sale... 14TH ANNUAL EVENT

Falls City, Neb., Sat. Oct. 8th.

25 Boars of early spring farrow. 15
carefully selected Gilts of early
spring farrow

Hiawatha, Kan., Thur, Oct. 13th.

25 Boars of early farrow, and 15
spring Gilts

Eighty head in all, no difference in the offerings. The two sales are being held instead of one in order to accommodate buyers living near the different points where the sales are to be held. The offering includes a very choice February boar sired by Colossus and out of a line bred Expansion sow. Also a very choice 10 months old boar by Wise's Hadley and out of his best sow. Ninety per cent of the offering was sired by the great sire, Wise's Hadley by Big Hadley. The dams are large and smooth, weighing in good condition six to seven hundred pounds. They are largely of Hadley and Expansion breeding, with enough variety of breeding to give them lots of quality. At the Brown county fair recently held I showed four sows and Wise's Hadley with a combined weight of 3,500 lacking just a little. Won six blue ribbons with six good herds competing. I have bred Poland Chinas for 25 years and believe this to be my best crop of pigs.

Write for catalog, and if unable to attend send sealed buying instructions to any fieldman or auctioneer.

Auctioners: Frank Zaun, Jas. Sparks. Jesse Johnson, Fieldman for Kansas Farmer.

BERT G. WISE & SON, Reserve, Kan.

HORSES AND MULES

PUBLIC SALE of 30 Registered Percheron Mares and Stallions, Monday, October 10, 1910, 25 mares and 5 stallions ranging in age from one to seven years old. This is my first sale, but I have listed some of the best things which I have bred. They will be a grand offering. Sale rain or shine. Catalogue will be out September 15th. Send for catalogue and come to sale. **MOUND BRANCH STOCK FARM**, 2 1/2 miles N. E. of Butler, Mo. J. W. Barnhart, Proprietor.

SHEPHERD PONIES FOR SALE—20 imported stallions and few bred mares. We have recently returned from Scotland with the finest importation of ponies ever brought to Nebraska. Write for private sale catalog.

CLARKE BROS., Auburn, Neb.

HOLSTEIN CATTLE

ROCK BROOK HERD

offers bargains in a carload of cows and heifers and a few bulls, 8 to 16 months old. All tuberculin tested.

ROCK BROOK FARM,
Station B. Omaha, Nebraska.

HOLSTEIN CATTLE.
The Most Profitable Dairy Breed.
Illustrated descriptive booklets free. Holstein-Friesian Ass'n of America.
F. L. HOUGHTON, Sec., 114 Brattleboro, Vt.

SUNFLOWER HERD HOLSTEIN-FRIESIAN

Do you need a high class bull ready for service whose three nearest dams average from 26 lbs. to over 29 lbs. butter in 7 days? I have them for sale. Also choice bull calves 6 to 10 months old, and a limited number of choice A. R. O. cows to offer. Might spare a few bred heifers. Holsteins are the most profitable cattle—figures prove it.

F. J. SEARLE,
Oskaloosa, Kansas.

ANGUS CATTLE

PARKER PARRISH & CO.

Hudson, Kan.

Pure Blood Angus Cattle

Herd bulls: Japan Ito, Envoy 24, Evener 24, Jelts Hale Lad. 400 in herd. Violet's best blood, can ship on Mo. Pac., Santa Fe or Rock Island. Stock for sale at all times.

80 Angus Bulls

OF SERVICEABLE AGE.
Herd Headers and Range Bulls. Many of them by Champion Ito.

SUTTON FARMS, Lawrence Kan.
500 HEAD IN HERD.

RED POLLED CATTLE

CHOICE RED POLLED CATTLE.
Herd the oldest in Marshall county. The best in breeding and individuality. Stock for sale at all times.

AULD BROS., Frankfort, Kansas.

RED POLLED CATTLE.

A few choice young bulls for sale; also a few cows and heifers.

D. C. VAN NICE, Richland, Kansas.

POLLED DURHAM CATTLE

BELVEDERE X2712-195058

Son of the \$1,500 Grand Victor X1635 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.

SHORTHORN CATTLE

10-SCOTCH BULLS-10

C. E. FOSTER, Eldorado, Kansas.
from 10 to 14 months old. One roan, 9 reds, sired by show bulls and out of show cows. Must be sold to make room. Priced at \$75 to \$125. These are all good. I make steers out of my poor ones. Come at once. They will suit you.

COL. ED. GREEN, Florence, Kan.

Tomson Shorthorns



We expect to exhibit our show herd, chiefly the set of Gallant Knight's Heir and Bampton Knight, at several western fairs. We have a few choice females and several splendid young bulls for sale.

T. K. TOMSON & SONS, DOVER, KAN.
R. R. Sta. Willa on R. 1, 16 miles west of Topeka.

8 YOUNG SHORTHORN BULLS
for sale, Scotch and Scotch Topped. Good individuals. Will sell few cows and heifers. Poland China sale Nov. 11.
S. B. AMCOATS,
Clay Center, Kansas.

SHORTHORNS

A few choice heifers for sale, nicely bred and good individuals, priced reasonable. Write or come and see my herd.

C. H. WHITE, Burlington, Kan.

FOR SALE.

Five extra good Scotch and Scotch Topped bulls, 10 months old. Roans and reds, sired by Victor Archer and Forest Knight by Gallant Knight. Priced right.

R. A. STEWART,
Hutchinson, Kansas.

Center Grove Stock Farm

Scotch Shorthorn cattle and 20 bred sows and a few good spring boars of large type Poland China hogs. Write me what you want. No trouble to answer letters. Bell phone.

J. W. PELPHREY & SON,
Route No. 6, Chanute, Kansas.

HUMBOLDT NATIONAL STOCK FARM.

Shorthorn cattle, large type Poland China hogs, 10 spring boars, priced right. Write me your wants. I meet parties at trains. We can do business. Come and see me.

H. F. PELPHREY & SON,
Humboldt, Kansas.

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Royal Gloster 232568 by Imp. Day Dream's Fride at head of herd; a few choice heifers for sale, of excellent breeding; also Percheron stallion colts.

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LINSCOTT JERSEYS

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

R. J. LINSCOTT, Holton, Kansas.

Jerseydale Stock Farm

Imported and American Bred Jerseys.
Carthage, Mo.

PHIL HANNUM, JR., OWNER.

I am offering a yearling bull, ready for service, out of a five-gallon cow, bred along the same lines as the cow that won at the World's Fair, at a very reasonable price. Write today if you are in need, as I price stock at figures that sell them.

Grade Jerseys bought on commission.

I have already for service a few grandsons of Merry Maiden's Third Son, Financial Count, Eurybia's Son and Fountain's Eminent. Prices and extended pedigrees upon application. These bulls will make excellent dairy sires and are fit to head any herd registered in A. J. C. C.

W. N. BANKS, Independence, Kan.

GOLDEN RULE JERSEYS.

Headed by Oorfer's Eminent \$5865. For sale bull calf six months old, sired by Beatrice Stockwell and out of dam by Silverline's Lad. Recorded and tuberculin tested. Splendid individual.

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LARGE ENGLISH BERKSHIRE HOGS

For sale by

H. U. McCURDY & CO.,
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RIVERSIDE FARM BERKSHIRES.

Herd headed by Kansas Baron and Uneda's Longfellow. A few choice spring pigs for sale. You will find herd headers among them.

RAYMOND G. BROWN,
Minneapolis, Kansas.

SPRINGBANK DUROC JERSEYS.

Headed by W. H. S. COL., first prize junior yearling boar Hutchinson State Fair, 1909, assisted by Chief's Orion, third prize aged boar.

Sow Sale—Ten tried sows by Chief Orion bred to W. H. S. Col. Come and see them.

W. H. WILLIAMSON,
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MISSOURI VALLEY HERD O. I. C. SWINE.
A few choice March and April pigs left. Quality with rapid maturity. Priced worth the money.

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Kansas Herd of Improved Chester Whites. Grand Champion Sow, Kansas State Fair.

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The best blood lines represented in this herd. When in need of quality write.

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

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BIG-BONED POLAND CHINAS

Spring boars for sale, sired by my herd boars; ORPHAN CHIEF by Orphan, JOHN LONG by Long John. The best lot I ever raised. Get your order in early and get your pick of my herd. ROY JOHNSTON, South Mound, Kan.

THE MORTONS

Meddler 2nd, bred for August farrow.

QUALITY AND SIZE POLAND CHINAS. Herd headed by Equipment 51530 by Impudence. For quick sale 30 summer and fall gilts sired by a son of farrow. Also 8 fall boars. All representations guaranteed. THE MORTONS, Tampa, Kansas, Marion County.

BRED GILTS

Sired by First Choice, he by Grand Chief. Gilts bred to Little Bear, a grandson of On and On. Those offered for sale are the tons of a large bunch. The gilts and the price will please you. Write right now to Young & Kinerling, Glasco, Kan.

EUREKA herd of pure bred Poland Chinas and Duroc Jerseys. 115 head to select from, with quality, size and good litters. Order early and get the best. Ready to ship after Aug. 1st at farmers' prices. W. H. SAYES, Simpson, Kan.

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

ALBRIGHT'S POLAND CHINAS. The utility type, headed by N. E.'s Perfection, by S. P.'s Perfection. Sows in herd carry the blood of noted sires and have been carefully selected. 40 choice pigs, both sexes, ready to ship. A. T. ALBRIGHT, Waterville, Kansas.

COLLEGE VIEW POLAND CHINAS. We offer for sale some extra good pigs of March and April farrow. Plenty of size with quality. Write for prices, description and breeding. W. A. JONES & SON, R. F. D. No. 9, Ottawa, Kansas.

POLAND CHINAS WITH SIZE. Headed by Pawnee Look. I have bred pure bred Poland for 20 years and have learned many valuable lessons, and in the future shall breed nothing but the big, smooth kind. More hog and less hot air. F. P. CERRY, Oregon, Missouri.

LAREDO HERD. Poland Chinas headed by Impudence Style 1332375 and F. R.'s Meddler by Meddler, for sale. 15 fall gilts bred for fall farrow and 9 other gilts. G. W. McKAY, Laredo, Missouri.

TEN FATTY BOARS for sale; also spring boars by Banner Boy, Big Hadley's Likeness, Colossus, Nedd's Expansion and others. Fall sale Oct. 18. Herman Groninger & Sons, Bendena, Kan.

30 BRED POLAND CHINA GILTS for sale. Spring and summer farrow, bred for April and May litters. Choicest blood line; also 5 mature sows and 100 ready for service, one by Meddler. Reasonable prices. F. D. FIVKESON, Brimson, Missouri.

200 LARGETYPE POLAND CHINAS. Herd headed by Big Hadley, Long John 2nd and John Ex. Young stock for sale at all times. A few choice Hadley boars. CHARLES Z. BAKER, Butler, Missouri.

HARTER'S BIG KIND POLAND CHINAS. Headed by Morgan's Monarch 4888 and Capt. Hutch 39088. Over 100 choice pigs to select from. Visitor made welcome. Also Barred Rocks. J. H. HARTE, Westmoreland, Kansas.

ADVANCE STOCK FARM. Home of big smooth Poland Chinas headed by a great son of Big Hadley, his dam, Gold Dust Tecumseh, top of Blain's closing out sale. 60 choice pigs, all but one litter by this boar, out of extra big sows. A. T. ENOS, Ramona, Kansas.

SUNSHINE HERD. Poland Chinas, bred gilts and yearling boars. Prices reasonable, quality considered. Satisfactory guaranteed. A. L. ALBRIGHT, Pomona, Kansas.

MULBERRY GROVE FARM. Herd boar, Peerless Perfection 2nd, grand champion American Royal. A few choice gilts by Peerless Perf. 2nd, and bred to On the Spot by On and On. A few choice open gilts by Prince Meddler. F. J. MILLER, St. John, Kan.

STUMP'S BIG POLAND CHINAS. 200 head in herd. Kansas King by Granite and Capt. Hutch by Captain Hutch in service. Great lot of pigs to select from. Write for prices and descriptions. W. R. STUMP, Blue Rapids, Kansas.

ELMDALE POLAND CHINAS. Over 100 head in herd. Our aim quality and size. Choice lot of spring pigs for sale. Reasonable prices. C. S. MOYER, Nortonville, Kansas.

THE HAWTHORNE POLAND CHINAS. Ten Strike, grand champion at the Oklahoma State Fair, 1908, heads the herd. Special prices on 20 strictly topky boars, sired by Ten Strike and out of richly bred sows. These boars are of December and January farrow, good enough to head any herd. 50 choice gilts at very low price. All pedigrees furnished when hogs are delivered. T. M. CHAMBERS, Oswego, Kansas.

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

SPRING MALES AND GILTS. Now is the time to buy your breeding stock while the best is yet unsold. My pigs are strong and thrifty; are well bred and have been fed with an eye to future usefulness. Write me now. Address: C. H. TILLOUST, Osborne, Kansas.

BAKEWELL'S EXPANSION POLANDS. Headed by Expansion Over 53110. Far with immense size and good quality. Sows are daughters of old Expansion, Pan Famo, Grand Look, etc. Herd established 25 years. Choice spring pigs for sale. See Expansion Over at Nebraska State Fair. J. W. BAKEWELL, Endicott, Neb.

LOBAUGH'S BIG SMOOTH ONES. For sale, 15 strictly top boars and 40 extra good gilts, early farrow; all but two litters sired by Kansas Ex., the best breeding Expansion bred boar in Kansas; out of sows by Chief, the 1,000-pound Mouw bred boar. A. C. LOBAUGH, Washington, Kan.

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

TWO YEARLING BOARS FOR SALE. Fine Metal by Gold Metal and John C. Hadley by Hadley Bov, both good individuals and have made good as breeders. Will price reasonable. JOHN C. HALDERMAN, Burchard, Nebraska.

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30-FEBRUARY POLAND CHINA PIGS—30 Large, smooth and good individually. Sired by my herd boars: Wilkes Arain and Grand Success, out of as fine a lot of big type sows as there is in the West. Inspection invited. J. B. WHIPPLE, Falls City, Nebraska.

RIDGEWAY STOCK FARM—Big Type Poland Chinas, headed by Union Leader, Major Hadley and Hadley Prince. Sows by Expansion, Grand Look, Big Hadley, Bell Metal, etc. Spring pigs by herd boars, and Colossus. W. R. Webb, Bendena, Kan.

EXPANSIVE. The 1,000-lb. boar heads my herd of BIG Smooth Poland Chinas. A few choice boars by him for sale. Fall sale November 1. H. B. WALTER, Effingham, Kan.

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

BLUE GRASS VALLEY STOCK FARM. Big boned Poland Chinas. Herd headed by Big Hadley, King Ex. 3d, Long John the 2d and Missouri Wonder. Four of the best breeding boars of the breed; young stock for sale at all times; everything guaranteed as represented. W. A. Baker, Butler, Mo.

THE BIG POLAND CHINAS. Spring pigs by Gold Bell Metal, Expansive, Expansion Over, Expansion See and Guy's Monarch. Out of Mogul, Expansion, Big Hadley, Tecumseh and Wonder bred sows. Write for description. Freeland & Williams, Valley Falls, Kan.

100 POLAND CHINA SPRING PIGS. Booking orders to ship later. Get your order in early and get first choice. Mostly sired by Elbustler 150655, a heavy boned son of the great Meddler 2nd. Pigs out of dams of the best breeding. 240 head in herd. Description guaranteed. J. D. WHITFORD, Zenda, Kan.

GRANER'S BIG TYPE POLAND CHINAS. Headed by Guy's Monarch 51415, the boar with frame for 1000 lbs. and 19 1/2-inch bone. Sows, daughters of Expansion, Colossus, Bell Metal, Big Hadley, What's Ex., etc. Choice spring pigs for sale by Expansion, Colossus, Expansive and Guy's Monarch. H. C. Graner, Lancaster (Atchison Co.), Kan.

BIG TYPE POLANDS. Toulon Prince 50555 heads herd. Mated to 700-lb. sows. Choice pigs, either sex, for sale. L. E. KLEIN, Zenda, Kan.

SUCCESSFUL SWINE RAISING. J. R. Sparks, breeder of fancy Poland Chinas, has compiled a valuable book on "How to grow, breed, feed, judge and exhibit in strong competition." This is one of the best of its kind. Write at once and mention Kansas Farmer. Address: J. R. SPARKS, Hunter, Oklahoma.

CORRECT TYPE POLAND CHINAS. Headed by Wise's Hadley by Big Hadley. Sows by What's Ex., Kansas Chief, Nemo L's Duda, etc. 75 choice pigs to pick from. BERT G. WISE, Reserve, Kan.

FOR SALE

I still have a few good fall boars for sale at very reasonable prices; will also offer my 2-year-old boar, O. K. Chief. He is a good individual of the 800-lb. type; heavy bone, a good even breeder.

R. J. PECKHAM, Pawnee City, Nebraska.

CHOICE POLAND CHINAS. Am offering a few extra good bred sows and gilts at very reasonable prices. All the most fashionable breeding and the easy-feeding kind. Families of Impudence, Meddler, Sp.'s Perfection, Meddler 2nd; other good breeding represented. Write your wants. I can please you! E. G. MANDERSCHIED, St. John, Kan.

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

FOR SALE. Spring pigs by Hadley, Spangler's Wonder and Logan Look, priced very reasonable for quick sale. Write at once. HARRY W. HOAK, Attica, Barber County, Kan.

DUROC JERSEYS

KRAMER'S BIG POLAND CHINAS. 45 February and March pigs sired by L's Hadley by King Hadley sweepstakes boar at Nebraska state fair last year. Out of mature sows of Expansion, Grand Look and Price We Know breeding. D. A. KRAMER, Washington, Kan.

MEISNER'S BIG POLAND CHINAS. Headed by Metal Choice. Sows are daughters of such sires as Nebraska Jumbo, Pawnee Chief, Big Hadley, etc. Fifty fine spring pigs to date and more sows to farrow. Inspection invited. T. J. MEISNER, Nabesha, Kansas.

CHOICE POLAND CHINA PIGS. Sired by Voter 133232, Perfect Mischief 48911, Senator and Voter's Pride. Sows of equal breeding and richly bred. Pigs ready to ship. Attraction's Voters boars out of Meddler dam. W. C. MILLIGAN, Clay Center, Kansas.

SUNNY SLOPE STOCK FARM. Poland Chinas hogs, Shorthorn cattle and Shropshire sheep. 50 growthy spring boars and gilts. Yearling and spring rams for sale. Visit my herd and make your selections or write me and mention the Kansas Farmer. W. T. HAMMOND, Fortis, Kan.

CLAY JUMBO 800 lbs.

The biggest yearling Poland China boar in Kansas heads our herd. Frame for 800 lbs. with plenty of quality. 100 pigs ready to ship. Reasonable prices. Herd established twenty years. H. W. GRIFFITH, Clay Center, Kansas.

WALBRIDGE POLANDS

WORTH THE MONEY. Boars: \$25, \$35, \$50. Gilts and sows: \$25, \$35, \$50, \$100. L. C. WALBRIDGE, Russell, Kan.

DUROC JERSEYS

50 - DUROC JERSEY - 50
.. BOAR PIGS ..

For sale privately. Sired by Top Notcher Again, first in class at Ohio, Ind. and Ill. state fairs, and champion at Ill. and Ind., 1902. These pigs will be shipped absolutely on approval of purchaser, no money down until you get your pig. Write today. This advertisement appears but once.

F. C. CROCKER, Filley, Neb.

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

ALFALFA STOCK FARM DUROCS

Over 300 head of spring pigs now on the farm, the sires of which were sired by such boars as Ohio Chief, Billie K., Prince Wonder and from sows equally well bred. Fifty boars have been selected from a bunch of 200 and reserved for breeding purposes. Will quote you prices on single animals or in any size lots to suit. Address: PEARL H. PAGETT, Beloit, Kansas.

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

CEDAR LAWN HERD. Twenty boars for sale, by Long Wonder 21867 and Lincoln Chief 91913, a son of Chief Tattarrax; will also offer some spring gilts at reasonable prices; by such dams as Josie's Surprise, Bessie Advance, Froud Queen, by Ohio Chief. F. M. BUCHHEIM, Prop., Leecompton, Kansas.

ANDERSON'S HIGH-CLASS DUROCS. Choice spring pigs sired by three great boars, for sale at reasonable prices. For information write: C. O. ANDERSON, Manhattan, Kan.

JEWELL COUNTY HERD. Headed by Bonney K. 47075, all prominent blood lines represented. Fall sale Oct. 27. Sow sale Feb. 1, 1911. W. E. MONASMITT, Formosa, Kansas.

GOETHE'S DUROCS. I have for sale 40 extra good boars, March and April farrow. Sired by Big Crimson 69413, Walnut Wonder 11111 and Crimson Bob. Out of matured dams of the very best breeding. T. E. GOETHE, Leonardville, Kansas.

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

BRED SOWS, AUGUST FARROW. Duroc sows and gilts sired by Bell's Chief 4th and bred to richly bred boars. Will not land ship when safe. FRANK VRTISKA, Pawnee City, Nebraska.

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

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

R. & S. FARM 156 Spring Pigs, sired by King of Kant Be Beat No. 33333, and Golden Ruler No. 80555. Write your wants. Fall sale Oct. 29. Bred sow sale Feb. 3, 1911. RHINEHART & SON, Smith Center, Kansas.

DUROC SOWS and GILTS

30 fall gilts by G. C.'s Kansas Col. and 15 yearlings and matured sows, all by noted boars. Will sell and hold until safe for fall litter. Also 10 fall boars, tops of our fall crop. CHAPIN & NORDSTROM, Green, Clay County, Kansas.

SEND FOR A COPY of our free book, telling about good homes and money making investments. ILLINOIS REALTY CO., Monto Vista, Ill.

FIELD NOTES

FIELD MEN.
O. W. Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
R. G. Sollenbarger.....Woodston, Kan.



PURE BRED STOCK SALES.

Horses.

Percherons, Belgians and Shires.

Oct. 19—J. W. Barnhart, Butler, Mo.
Oct. 28—W. S. Corra, Whitehall, Ill.
Oct. 27—W. H. Ritter, R. 4, Colfax, Ill.
Nov. 10—Sale at farm, J. C. Robison, Topeka, Kan.
Jan. 10, 11, 12, 13, 1911—Breeder's Sale Co., Bloomington, Ill.
Jan. 18—Chas. D. Knight, Oketo, Kan.
Feb. 28 and March 1, 2, 3, 1911—Breeder's Sale Co., Bloomington, Ill.

Shorthorns.

Oct. 13—American Royal, Kansas City, Mo.
Oct. 18, H. B. Edden, Pleasant Hill, Mo.
Nov. 15, J. E. Johns, Clyde, Kan.
June 6, C. S. Nevius, Chiles, Kan.

Combination Sale.

Sept. 28, 29, 30—Poland Chinas, Duroc Jerseys, Berkshires, Shorthorns, Aberdeen-Angus, Sale at Yates Center, G. A. Laude, Rose, Kan., Secretary.

Jersey Cattle.

Nov. 8—Mrs. S. B. Thomas, St. Joseph, Mo.

Hereford Cattle.

Oct. 14—American Royal, C. R. Thomas, Nov. 1, Sam'l Drybread, Elk City, Kan.
Mgt. Kansas City, Mo.
Nov. 10—T. I. Woodall, Fall River, Kan.
Nov. 15—O. Harris, Harris, Mo.

Holstein Cattle.

Feb. 7, 8, 1911—Rock Brook Farm, Sta. B, Omaha, Neb., 150 head will be offered.

Galloways.

Oct. 11—American Royal, Kansas City, Mo.

Aberdeen-Angus.

Oct. 12—American Royal, Kansas City, Mo.

O. I. C. Swine.

Feb. 16, Fantz Bros., Pleasant Hill, Mo.

Duroc-Jerseys.

Oct. 19—G. Van Patten, Sutton, Neb.
Oct. 21, G. Van Patten, Sutton, Neb.
Oct. 21, Jas. Quinn, Waterville, Kan.
Oct. 29—Rinehart & Son, Smith Center, Kan.
Oct. 25—Leon Carter, Asherville, Kan.
Oct. 26—P. H. Pagett, Beloit, Kan.
Oct. 27—W. E. Monasmith, Formosa, Kan.
Oct. 28, W. C. Whitney, Agra, Kan.
Oct. 31—White Bros., Buffalo, Kan.
Oct. 25—J. E. Davis, Fairview, Kan.
Oct. 28, W. C. Whitney, Lebanon, Kan.
Oct. 29, Rinehart & Son, Smith Center, Kan.
Nov. 2, Sam'l Drybread, Elk City, Kan.
Nov. 4—Chapin & Nordstrom, Green, Kan.
Sale at Clay Center, Kan.
Nov. 15—J. L. Williams, Bellaire, Kan.
Nov. 15—J. E. Johns, Clyde, Kan.
Nov. 16, J. E. Johns, Clyde, Kan.
Nov. 19—Philip Albrecht, Smith Center, Kan.
Jan. 30—A. T. Cross, Guide Rock, Neb.
Jan. 31—Ward Bros., Republic, Kan.
Feb. 1—W. E. Monasmith, Formosa, Kan.
Feb. 2—Thompson Bros., Garrison, Kan.
Feb. 2—G. F. Philippi, Eabon, Kan.
Feb. 3—Rinehart & Son, Smith Center, Kan.
Feb. 4—W. C. Whitney, Agra, Kan.
Feb. 6—J. L. Williams, Bellaire, Kan.
Feb. 8—O. A. Tiller, Pawnee City, Neb.
Feb. 9—Samuelson Bros., Cleburne, Kan.
Feb. 10—Samuelson Bros., Blaine, Kan.
Feb. 13—T. E. Goethe, Leonardville, Kan.
Feb. 14—Chapin & Nordstrom, Green, Kan.
Sale at Clay Center, Kan.
Feb. 15—Leon Carter, Asherville, Kan.
Feb. 16—W. T. Fitch, Minneapolis, Kan.
Feb. 17—L. E. Boyle, Lindsey, Kan.
Feb. 22—Philip Albrecht, Smith Center, Kan.
March 15—E. S. Davis, Meriden, Kan.

Poland Chinas.

Oct. 11—A. J. Swingle, Leonardville, Kan.
Oct. 8—Bert C. Wise, Falls City, Neb.
Oct. 12—W. B. Stafford, Bronson, Kan.
Oct. 13—Bert Wise, Reserve, Kan.
Oct. 14—T. J. Dawe, Troy, Kan.
Oct. 15, J. B. Whipple, Falls City, Neb.
Oct. 15—H. C. Dawson's Son, Endicott, Neb.
Oct. 17—A. R. Enos, Romona, Kan.
Oct. 18—J. C. Meese, Ord, Neb.
Oct. 18—Herman Groninger & Sons, Bendena, Kan.
Oct. 19—A. B. Garrison, Summerfield, Kan.
Oct. 20, Roy Johnston, South Mound, Kan.
Oct. 20—Roy Johnston, South Mound, Kan.
Oct. 20—Hubert J. Griffiths, Clay Center, Kan.
Oct. 20—G. S. Hamaker, Pawnee City, Neb.
Oct. 21—J. M. Ross, Valley Falls, Kan., and W. E. Long, Ozawie, Kan. Sale at Valley Falls, Kan.
Oct. 22—Eli Zimmerman, Hiawatha, Kan.
Oct. 24—W. F. Fulton, Waterville, Kan.
Oct. 25—W. C. Singer, Hiawatha, Kan.
Oct. 25, C. S. Nevius, Chiles, Kan.
Oct. 26—W. R. Webb, Bendena, Kan.
Oct. 26—G. M. Hull, Garnett, Kan.
Oct. 27—F. A. Tripp & Son, Meriden, Kan.
Oct. 27—Walter Hildwein, Fairview, Kan.
Oct. 28—I. R. Berkey, Lehigh, Kan.
Nov. 1—J. H. Hamilton & Son, Guide Rock, Neb.
Nov. 1—H. B. Walther, Effingham, Kan.
Nov. 1—H. F. Pelphrey, Humboldt, Kan.
Nov. 2—J. W. Pelphrey, Chanute, Kan.
Nov. 2—Albert Smith & Sons, Superior, Neb.
Nov. 3—H. W. Griffith, Clay Center, Kan.
Nov. 3—R. J. Peckham, Pawnee City, Neb.
Nov. 3—The Mortons, Tampa, Kan.
Nov. 3—George W. Smith, Burchard, Neb.
Nov. 3—D. W. Evans, Fairview, Kan.
Nov. 4—W. A. and C. Z. Baker, Butler, Mo.
Nov. 4—G. W. McKay, Laredo, Mo.
Nov. 5—Fuller Bros., Humphreys, Mo.
Nov. 8—Poland China boar sale, W. B. Van Horn, Overbrook, Kan.
Nov. 9—T. J. Melner, Sabatha, Kan.
Nov. 11—S. B. Amcotts, Clay Center, Kan.
Nov. 16—W. A. Frewett, Asherville, Kan.
Nov. 19—G. W. Roberts, Larned, Kan.
Nov. 22—W. D. McFarland, Chase, Kan.
Nov. 23—W. D. McFarland, Chase, Kan.
Nov. 23—C. H. Plicher, Glasco, Kan.

Jan. 18—H. F. Pelphrey, Humboldt, Kan.
Jan. 18—J. M. Collins, Garnett, Kan.
Jan. 19—J. W. Pelphrey, Chanute, Kan.
Jan. 20—Roy Johnston, South Mound, Kan.
Jan. 26—W. R. Stump, Blue Rapids, Kan.
Feb. 1—J. M. Ross and W. E. Long, Valley Falls, Kan.
Feb. 8—H. B. Walther, Effingham, Kan.
Feb. 8—T. J. Charles, Republic, Kan.
Feb. 9, A. P. Wright, Valley Center, Kan.
Feb. 9, H. C. Graner, Lancaster, Kan.
Feb. 9—Albert Smith & Sons, Superior, Neb.
Feb. 9—H. C. Graner, Lancaster, Kan.
Feb. 9—A. P. Wright, Valley Center, Kan.
Feb. 9, A. P. Wright, Valley Center, Kan.
(Bred sow sale.)
Feb. 10—J. E. Bowser, Abilene, Kan.
Feb. 10—J. H. Hamilton & Son, Guide Rock, Kan.
Feb. 11, C. S. Nevius, Chiles, Kan.
Feb. 11, W. B. VanHorn, Overbrook, Kan.
Feb. 16—J. H. Harter, Westmoreland, Kan.
Feb. 17—Bred sows, B. VanHorn, Overbrook, Kan.
Feb. 18—Miller & Manderscheid, St. John, Kan.
Feb. 28, W. R. Stump, Blue Rapids, Kan.
March 4—C. H. Plicher, Glasco, Kan.

Searchlight 3rd.

C. J. Woods of Chiles, Kan., has bought a half interest from C. S. Nevius in the great young bull Searchlight 3rd. Mr. Woods expects to use this bull on his Rone Hero heifers. Mr. Woods expects good results from this cross.

Whipple's Wilkes Poland Sale.

Mr. J. B. Whipple of Falls City, Neb., will hold his annual fall sale on Saturday, Oct. 15th, the sale will be held in town and will consist of 30 boars and 30 females. Of the females five will be tried sows, either in pig or with litters at foot sale day; six fall gilts, bred to Wilkes Again, and the remainder early spring gilts. In the boar division is one of Mr. Whipple's great herd boars, Grand Success, by First Quality. Grand Success is a splendid sire and is the sire of nearly all the tried sows on the farm. Two fall yearling boars and 27 big, husky spring boars completes the list of good things. Practically all of the spring pigs are by Wilkes Again, a richly bred Wilkes boar and a uniform breeder. His pigs all have good finish and are very large and smooth. Mr. Whipple has bred Poland Chinas for a good while and has been a very careful buyer. His hogs have always made good and those that have bought once always come back. This year's crop is far superior to any previous crop and he is very anxious to have breeders and farmers see them whether they buy or not. A postal addressed to J. B. Whipple will bring a catalog. Bids may be sent to Jesse Johnson in care of Mr. Whipple, Fall City, Neb.

Poland China Sale Oct. 11.

One of the first good, big type Poland China sales of the season will be made by Mr. A. J. Swingle of Leonardville, Kan. The date of this sale is Oct. 11th and the offering is one that should interest breeders and farmers of the state. The stock to be sold comprises 20 big, strong, husky last fall and spring boars, seven very choice young sows with litters at foot and nearly 20 last fall and spring gilts. Mr. Swingle has bred Poland Chinas for more than twelve years and has quite a reputation as a breeder of good and useful stuff. He has always bought the best. Several years ago he bought heavily of breeders that had in their herds much of the blood of the noted old Tecumseh Short Stop, one of the first big boars ever brought to Kansas. Nearly all of the entire offering were sired by the boars Ex Mastodon and Colossus. Ex Mastodon was sired by Growthy Ex by Expansion and his dam was Mastodon Lady by Mastodon. W. W. Wheeler's noted boar, Colossus is a son of Longfellow 4818, owned by Peter Mouw of Orange City, Iowa. The boars that go into the sale are big, strong fellows, just right for hard service. The gilts are largely composed of fanterlings and will make great sows for another year. The seven sows that have litters at foot, are all good mothers. Among them are four sisters, sired by Colossus and out of Lady Mastodon 5th, by Columbia Chief 2nd 12533. Leonardville is located 12 miles east of Clay Center and five miles north of Riley. Write for catalog and mention Kansas Farmer.

Robison's Percheron Sale.

Everybody knows J. C. Robison, owner of the Whitewater Percheron breeding farm at Towanda, Kan., and everybody knows his splendid stud of Percherons headed by the famous Casino. When Mr. Robison announces a public sale of these horses, everybody is interested. This year his annual sale will be held at the home farm, and everybody will be more interested than ever because this will give an opportunity for inspection of the horses at home and the farm where they are bred or the imported ones acclimated. Towanda is only a few miles east of Eldorado and is easily reached from Wichita. Visitors will be met at the station by automobiles or buggies. The sale date has been changed from October 8 to October 10. Don't forget this. Whitewater Falls farm is one of the show places of Kansas not only because of its Percherons but because of its good methods of farming as well. Write for a catalogue of these splendid horses and be sure to attend the sale. It will pay. Mention Kansas Farmer when you write.

Dawe's Oct. 14th Sale.

The truth of the saying "Individual excellence by inheritance" was never more clearly proven than in the litter of three boars and three sows by Colossus, which T. J. Dawe will offer as an attraction at his coming sale of big type Poland Chinas at Troy, Kan., Friday, October 14. This litter has every right to be good and they are. They are full sisters and brothers of the Dawe show herd of 1909, which won first in class at the four leading shows, Nebraska, Topeka, St. Joseph and Sedalia and included the junior champion boar and sow, Capital and Colossus Maid. Their dam, Queen Over Pan by Expansion, was sold at the time Ben Bell sold her to Mr. Dawe, to be the best expansion sow he ever saw and the best sow he ever put through a sale ring. A pretty strong statement from one of the country's leading breeders and all the more important for that reason. Both the boars and gilts in this litter are extra good. The boars are good enough to head any herd. Two of the three being especially choice. They will weigh close to 250 pounds now and are in just good condition. They are of early March farrow. A pig from this litter will be worth the money on its merits, not counting the fact that their breeding and ancestry will be an advertisement for the herd in which they go. Every breeder in Kansas should attend this sale. Motor cars on the Grand Island road stop at farm. Free transportation to and from farm from Troy. Write at once for catalog, mentioning Kansas Farmer. If unable to attend send bids to Jesse Johnson, in Mr. Dawe's care, at Troy, Kan.

KANSAS CROP REPORTS.

(Continued from page seventeen.)

Bourbon—Fall plowing in progress; most of the wheat ground has been sown. Corn gathering began, crop fair.

Chase—One carload of cattle shipped from one station last week. Aerial seed recently sown needs rain, which is commencing as week ends. Weather is ideal for humanity but rain is needed for vegetation.

Coffey—No rain this week, permitting of much needed work. Corn maturing well. Early corn being cut. Ground in good condition.

Douglas—A good week for maturing late corn, for sowing wheat, haying, siloing and fruit picking, advantage of which has been fully taken. Pastures are good where not overstocked. Early wheat coming up. Fields of newly sown alfalfa look well. Potatoes poor—too much rain early in September.

Elk—Warm week with no rain. Corn about all cut.

Greenwood—Corn cutting nearly finished; fodder good but ears are few. Late corn better.

Johnson—Ideal week for September. Wheat up and looks well, much sown. Some rains last of week but not needed.

Montgomery—No rain for two weeks. Wheat ground all plowed and in fine condition for seeding.

Riley—Ground in good condition and all farm work well advanced.

Middle Division.

Barber—Only .17 of rain since August 17th, too dry to do much farming.

Barton—Wheat sowing in full blast. Weather dry but favorable. Some farmers have finished, others begun.

Dickinson—Wheat ground in fine condition, not much seeding done yet.

Harper—Hot and dry; only light local showers. Rains badly needed in many parts of the county.

Jewell—This has been the warmest week this month. Peach and apple crops are good.

Kingman—Much wheat sown, and the good rains, just begun, will be very beneficial.

Marion—Corn has ripened very rapidly and is now practically all safe from frost. Corn cutting progressing rapidly. Prairie hay nearly all up.

Fawcett—Wheat sowing progressing steadily, but a good rain is needed.

Phillips—A hot week, with much cloudy weather but very little rain. Corn in north part of county is fine. Wheat sowing begun but needs rain.

Sedgewick—Dry. Rain needed for plowing as ground is becoming hard. Hot first of week, cool latter part.

Washington—Fine hay and threshing weather.

Western Division.

Clark—Dry. Fall rains needed.

Decatur—Wheat sowing in full blast, ground in good condition.

Gove—Still dry and hot. Wheat sowing in full blast.

Lane—Dry, hot weather continued most of week, with temperature hovering around 100. Wheat drilling progressing rapidly, though too dry to sprout.

Norton—Wheat threshing in progress, making from 6 to 10 bushels per acre. Kaffir corn being cut. Ground being prepared for wheat. General rains setting in at end of week.

Scott—Fine weather. Farm work is moving right along. Broom-corn pulling, cane harvest and wheat drilling progressing very satisfactorily.

Wallace—Fine week on crops. Some corn cut. Considerable good corn, and much corn for feed. Too dry for plowing. Range grass short.

Great Poland China Sale Oct. 12.

To the readers of Kansas Farmer interested in Poland Chinas we wish to call attention to the high class Poland Chinas to be sold in W. B. Stafford's sale at Bronson, Kan., Oct. 12th. Mr. Stafford has made a reputation for himself, and his herd boars, Silk Worm by Corrector 2nd and Nobleman by Meddler 2nd, have made a show and breeding record not equalled by any two herd boars at the head of one herd. Silk Worm was not only sired by the noted Corrector 2nd, but is out of old Lady Louise and a litter brother of Louise of Oakwood. We wish to call special attention to the tried sows: No. 1, is Nellie, by Frank's Combination by Mead's Hadley out of Miss Iowa—Nellie is a big sow and bred from a strain of hogs that grow big and smooth. No. 2 is Meddler Lassie, by old Meddler and out of Autumn Lassie by Missouri Black Perfection. This is one of the greatest producing sows on the farm, always farrows and raises large litters. No. 3 is Katie, by Silk Worm out of Queen Perfection by King Perfection 3rd. This is a choice brood sow and fit to go in any herd. No. 4 is Amelia, by Meddler 2nd out of Perfect Blackface 2nd. Amelia will be safe in pig to Silk Worm for October litter. There are 2 spring boars by Nobleman out of Nellie; 3 by Nobleman and out of Topsy Wilkes; 4 by Nobleman and out of Clarabinder by Spellbinder. There will be 15 choice spring gilts sold in this sale, the pick from 60 head. Don't fail to look up ad in this issue and send for catalog. The entire offering is first class. If you cannot attend send bids to O. W. Devine, representing Kansas Farmer, who has carefully inspected this herd and will attend the sale. Remember the date is October 12th. Parties met at either Moran or Bronson. For catalog, write W. B. Stafford, Bronson, Kan.

Barnhart's Percheron Sale.

On Monday, October 10, at Butler, Mo., Mr. J. W. Barnhart makes a sale of Percheron mares fillies and stallions that should attract every lover of good draft horses. Thirty-two head are listed and all are horses that Mr. Barnhart is pleased to show. A large percentage of the horses listed were bred by Mr. Barnhart and he takes pleasure in calling attention to the fact that he has been so successful in producing Percherons with size, excellent bone and plenty of quality. Mr. Barnhart has also been very careful in selecting stud stallions and mares with excellent pedigrees, so that buyers will find no trouble from this source. Mr. Barnhart will sell a number of pairs of mares that rank in size, quality and conformation with any to be found. He is offering several pairs of two-year-old and yearling fillies that will please the most discriminating and among these are some that measure to a standard of individual excellence found in few herds. The mares in foal have had the advantage of service to King, champion stallion at the American Royal in 1907, and Coco 52333. Mr. Barnhart's present stud stallion, Coco is a black three-year-old that has few superiors, and mares bred to him should be appreciated. Mr. Barnhart is holding this sale largely to show the work he is doing in breeding and producing good Percherons. His horses will be presented in good farm condition which insures their future usefulness. Catalogs of the sale are now ready and will be mailed on request. Mention Kansas Farmer and don't fail to attend this sale.

The Get of Spangler's Hadley.

J. D. Spangler of Sharon, Kan., held, on Sept. 30, one of the most successful Poland China sales that has been reported this season, selling sixty spring pigs, mostly the get of Spangler's Hadley, for an average of \$32.18. One notable feature of this sale was the strong demand for boar pigs, the 30 spring boar pigs, mostly the get of Spangler's Hadley, sold for an average of \$33.50. There was mail bids enough to have taken more than this number at good prices. It has been said by good hog judges that Spangler's Hadley was one of the best breeding boars in Kansas, and the strong demand for his get is one of the very best evidences of his growing popularity. The crowd at the sale was not large, but the bidding was snappy and at no time during the entire sale was there a lack of enthusiasm. Following is a report of the sales above \$50:

1. F. M. Stamate, Everett, Mo.	\$70.00
2. J. D. Wright, Kawa, Kan.	34.00
3. J. C. Larrimer, Derby, Kan.	34.00
4. John Blair, Sharon, Kan.	30.00
5. S. S. Alda, Deer Creek, Okla.	31.00
6. Geo. W. Lorraine, Howard, Kan.	31.00
7. A. C. Bain, Medicine Lodge, Kan.	37.00
8. J. D. Bardley, Manchester, Okla.	32.00
9. Wm. Garrison, Yewet, Okla.	44.00
10. Howard Magness, Ashton, Kan.	50.00
11. W. H. Emmons, Elmdale, Kan.	50.00
12. Harry Hook, Attica, Kan.	50.00
13. Harry Hook, Attica, Kan.	50.00
14. Martin Crouch, Medicine Lodge, Kan.	30.00
15. Chas. Johnson, Altus, Okla.	39.00
16. Bert Harriman, Pilot Grove, Mo.	27.50
17. Jess Small, Attica, Kan.	30.00
18. A. R. Neusam, Sharon, Kan.	35.00
19. Frank Anderson, Medicine Lodge, Kan.	32.00
20. E. A. Brown, Manchester, Okla.	34.00
21. Chas. Johnson, Altus, Okla.	32.00
22. Frank Anderson, Medicine Lodge, Kan.	31.00
23. Dr. M. L. Fullenwider, Eldorado, Kan.	32.00
24. W. F. Elliott	30.00
25. Marion Crouch	35.00
26. F. E. Massey, Attica, Kan.	30.00
27. H. F. Pelphrey & Son, Humboldt, Kan.	31.00
28. L. R. Ragenkoff, Nashville, Kan.	36.00
29. Chas. Johnson	50.00
30. H. F. Pelphrey, Humboldt, Kan.	34.00
31. S. J. Cole, Sharon, Kan.	35.00
32. S. Bowman, Sharon, Kan.	31.00
33. W. H. Hagen, Enid, Okla.	30.00
34. Warren Crouch, Medicine Lodge, Kan.	30.00
Total on 60 head spring pigs, March and April farrow, \$1,930.60, average, \$32.18.	

Hereford Sale Oct. 6th.

R. M. Dobson's reduction sale of 68 head will be held at his Union Valley Hereford farm near Jefferson, Montgomery Co., Kan., Thursday, Oct. 6, 1910. Mr. Dobson has over 200 registered Herefords and is compelled to reduce his holdings as he cannot give proper care to so large a number. This is a practical and profitable breeding herd. The cattle are handled under natural conditions and have been raised practically out of doors with the idea of growing them for future usefulness. The cows are all regular breeders and the bulls are big and lusty and ready for service. They are in excellent breeding condition, and nothing has been fed that would injure them as breeders. Mr. Dobson has been in the cattle business a good many years, but bought his first registered Hereford cows fourteen years ago. The first bull used was Ferdinand 60955, a son of the famous Wild Tom 51592 and out of Emma May, said to be one of the greatest breeding cows ever in the Sunny Slope herd. Maple Leaf Shadeland 2d 108532 by Earl of Shadeland 73d came next. Both these bulls were excellent breeders and left a fine lot of heifers in the herd, some of which are included in the coming sale. If you need a few good Herefords don't fail to attend this sale.

Wallace's Herefords.

T. A. Wallace, Hereford breeder of Barnes, Washington county, Kan., starts his advertising in Kansas Farmer this week. Mr. Wallace owns one of the largest and best herds in Kansas. The herd now numbers over 100 head and is headed by Christy, Prairie Donald and Sir Morgan. Christy will be remembered as the great young bull bred by Mrs. Cross and later purchased and used with such good results in Miss Lou Goodwin's herd at Blue Rapids, Kan. Mr. Wallace bought Christy at Miss Goodwin's closing out sale and made the investment of his life. Christy is one of the greatest individuals heading any herd in the west. Prairie Donald was bred by the Stanton Breeding Farm and is a son of Beau Donald 7th. Sir Morgan was sired by the great undefeated show bull, Onward 18th. In the cow herd Mr. Wallace has several imported cows, including the dam of Sir Morgan. His cows possess much more scale than is usually found in herds of this breed. Among them are daughters of Garfield, near descendants of Boatman, and a large per cent in the blood of Anxiety 4th and Hesiod. A number of very choice young cows are by service in the lot. The cows are exceptionally well marked and make a beautiful appearance in the bluegrass pastures on Mr. Wallace's splendid section farm. Mr. Wallace has bulls and females for sale. Write him and mention Kansas Farmer.

The Walbridge Polands.

If you could get together a bunch of pure-bred Poland Chinas which contained the blood of Corrector, Meddler, Meddler 2d, On & On, Regulator, Perfection E. L. Impudence, and a lot of other prize winners and champions and if you could increase your herd so that you could raise and sell from 500 to 1,000 pigs each year you would think you were nearly at the top. That is just what L. C. Walbridge, of Russell, Kan., has done and just where he has arrived. Drop him a line, mention the Kansas Farmer and he will tell you about them and quote you prices that will interest you.

Nobleman 139657, 11 Times Winner as a Two Year old.

Nobleman, by Meddler 2d, is owned jointly by W. B. Stafford of Bronson, Kan., and J. Bundy of Goodrich, Kan. Nobleman won eleven ribbons at four of our leading state fairs as a 2 year old, and is one of the greatest breeding boars in Kansas. He is not only a large hog but a smooth hog. Mr. W. B. Stafford will sell on Oct. 12, 15 fall yearling gilts sired by Nobleman and out of Silk Worm sows. They are large and full of quality, not overladen with fat but just right to breed for useful sows. Send for a catalogue to W. B. Stafford at Bronson, Kan. Kindly mention the Kansas Farmer.

Some bargains in Jersey bulls and heifers are being offered by the Sayda Polo Jersey Farm at Parsons, Kan. The advertisements appear in the Readers Market Place in this issue. When writing please mention Kansas Farmer.

Four Great Shoe Kings Begged Us Not to Run This "Ad"!



\$4.00

For Any Style
Dress Shoes, Business
Shoes and Work Shoes

That's how good our new plan is—that's how competition fears the results. Never before has any manufacturer ever dared to give a written six months' guarantee with shoes. Never before has any shoe been good enough to back the guarantee. But our shoe is different than any other. It's a revelation to the people of this and every other country. Such a wonderful shoe backed by such a remarkable plan is bound to revolutionize the shoe business of the entire world.

The Old Shoe Selling System Robs the Public of \$5,000,000 a Year

Statistics show that the shoe manufacturers of this country pay over \$5,000,000 a year selling-expense. High priced salesmen's salaries, railroad fares, livery bills, hotel bills, etc., all come out of the public's purse.

It's an injustice to the shoe-buying public—an injustice to you and your dealer. And we are going to stop it. We are going to do away with traveling salesmen and their big expenses.

All our shoes will be sold to the dealer by letter. Two-cent stamps for selling expense mean hundreds of thousands of dollars for better leather and other materials—hundreds of thousands of dollars to make a shoe that will be good enough to guarantee.

Desnoyers "Six Months" Shoes

Guaranteed to Give Full Six Months' Wear

The guarantee alone is convincing proof of the superiority of our "Six Months" shoes. Under the old expensive system of selling shoes it has never been possible to make a shoe good enough to guarantee without greatly increasing the selling price. Money that should have gone into better materials had to go for, selling expenses. So heretofore,

shoes like these have never been made. Our "Six Months" Shoes are entirely new to you and every one else. They have got to give you six months' wear for \$4 or we pay you cash to more than make up the difference.

BEST LEATHER ON EARTH

Our guarantee is made possible because our immense saving on selling expense goes into expensive Swissox Soles and Paris Veal uppers that others can't afford.

The Swissox Soles are tanned from Switzerland hides, which are the toughest and finest hides for sole leather produced anywhere in the world, owing to Switzerland's high altitude and the extreme care with which the Swiss stock is raised. It is protected from all weather conditions and kept clean and healthy.

The Paris Veal hides used for the uppers in our

"Six Months" Shoes are extremely tough, yet closer fibred, softer and more flexible than the hides grown in this country.

The cost of importing these foreign hides makes it absolutely impossible to use them in moderate-priced shoes selling under the old system.

FLEXIBLE AND WATERPROOF

Not being satisfied with merely the best sole leather in the world, we tan all our sole leather by a secret process which makes it remarkably flexible and entirely waterproof.

A QUALITY SHOE CLEAR THROUGH

Our "Six Months" Shoes are made with sole leather box toes to give extra strength at the tip. Army duck lining is used, which is the strongest and smoothest lining made. It costs twice as much as ordinary lining.

The uppers are stitched together by lock-stitch machines using the very highest grade silk thread. Nothing but the best Irish linen thread is used in sewing the soles. These methods all cost more, but they make the shoes last much longer.

Best Looking and Best Wearing Shoes Ever Made

Our "Six Months" Shoes are wonders for the farmers and hankers alike. These shoes are the strongest and best wearing shoes made. They combine style, finish and quality in a degree never before equalled in a shoe selling at anywhere near this price.

Here is Our Written Guarantee

If either the soles or uppers wear out within four months we agree to furnish a new pair of shoes en-

tirely free of charge. If either the soles or uppers wear out during the fifth month we agree to refund \$2.00 in cash. If either the soles or uppers wear out during the sixth month we agree to refund \$1.00 in cash. In other words, if these shoes should not give full six months' wear we refund more than the proportion they fall short. Your own dealer, right in your own town, the man whom you know, will make this redemption in accordance with our guarantee. You do not have to send your shoes to the factory or have any dealings at all with strangers.

Seven Different Styles—A Style for Every Purpose

Our "Six Months" Shoes are not merely work shoes, and they're not merely dress shoes. We have all kinds. Shoes for work, shoes for business and shoes for dress, and the best styles on the market for each purpose.

Send for Dealer's Name and Style Book

Fill out and send the coupon for new free style book that shows all styles and describes each in detail. With it we will send you the name of the dealer near you who handles our line. Remember, every day you wear "Six Months" Shoes you are saving shoe money. So don't delay—send coupon right now.

Desnoyer Shoe Co. 2204 Pine Street
ST. LOUIS, MO.



COUPON

Desnoyers Shoe Co.

2204 Pine St., St. Louis, Mo.

Gentlemen:

Kindly send me new style book of Desnoyer's "Six Months" Shoes and tell me name of dealer near me.

Name.....

Address.....

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