

OF THE FARM AND HOME

Established 1863. \$1. a Year.

(Continued on page 10.)

It's better to be out on the farm looking into the city, than to be in the city wishing yourself back on the farm. It's another case of "easier to get in than out"--From the experiences of thousands who have tried it both ways.

Government Departments Waste Money



WHEN President Taft, in his annual message, asserted that the enormous deficit of \$17,000,000 in the budget of the postoffice department last year was due to loss in carrying newspapers and magazines, he not only held up the press of the country as an example of legalized graft, but he "started something" that has served to call the attention of the world to the extremely inefficient and out of date methods of this same department. The President states that the actual cost of handling this class of mail matter is 9 cents per pound, while the amount that is charged the publisher is only 1 cent, and that therein lies the cause of the deficiency. In this statement he was followed by the Postmaster General.

If the information given to the President is correct, and if the Government is helping the publishers to pay their circulation expenses, then everybody is interested and all should know the facts. The proposal to increase the postal rate on second class mail matter affects the people as a whole, as it will become a direct tax upon them and especially upon those of states like Kansas where the degree of literacy is high and everybody reads.

By making this charge did the President forget that only about one year ago a new ruling was made which materially limited the privileges of the publishers, and yet the deficiency increased? Did he not know that the Canadian postal rates on second class matter are only one-half cent per pound, and yet they have no postal deficiency? The express companies in this country carry papers at from 1/4 to 1/2 cent a pound, and are able to pay enormous dividends on their huge capital. The postoffice department itself has a parcels post arrangement by which packages are delivered in England and Germany at a lower rate per pound than the publishers pay it for delivering their papers in the next county.

In the official reports of the department it is admitted that the conclusions as to the cost of handling second class mail matter are based entirely upon estimates, as there are no definite facts. These estimates evidently do not include the cost of handling the enormous quantities of departmental mail; the franking privilege through which members of Congress and others burden the mail cars with tons of matter each year, nor the distribution of free seeds by the Department of Agriculture.

To the man who receives a package of free government seeds each year the matter does not seem a large or important one, and yet it is enormous. Aside from the fact that a large proportion of these free government seeds go to people who cannot use them and are therefore simply wasted, the question may well be asked as to whether the farmer derives any real benefit from them more than the pleasant feeling that he has been remembered by name and recognized in this small way by his Congressman.

In his official report, Secretary James Wilson of the United States Department of Agriculture says: "With regard to the securing and distributing of miscellaneous garden and flower seeds, the fact remains that this work does not accomplish the end for which the law was originally framed. There are collected, put up, and distributed now on Congressional orders nearly 40,000,000 packets of miscellaneous vegetable and flower seeds each year. These seeds

are the best that can be obtained in the market, but from the fact that large numbers of packets are wanted, the seed obtained can be of standard sorts only, such as are to be found everywhere for sale in the open market. As there is no practical object to be gained in distributing this kind of seed, it seems very desirable that some kind of change be made." And again: "The distribution of vegetable and flower seeds on Congressional orders is the largest single

business this office has to handle. The seed purchased last year to fill these orders was enough to fill 28 cars of 30,000 pounds per car. If we consider the work to extend over six months, 500 packets were put up every minute of every working day of eight hours during that time. During much of the time, as many as 1,000 packets per minute are put up."

Secretary Wilson further states that for convenience the country is divided

You ask: "Of what value to the agriculture of the country are the free seed distributed by Congress?" This is little more than the distribution at public expense of seeds of ordinary farm and garden varieties and can in the very nature of the case have little to do with the increase in yield of our farm crops. To distribute seeds in such small quantities, to so large a number of people, in so short a time, extending over so wide an area with the great variation in soil and climatic requirements, can be little less, under the very wisest management, than a hit or miss project.

Prof. A. M. TenEyck has shown by repeated tests that improved seed wheat has given an increased yield in Kansas of from seven to fifteen bushels per acre and an average yield of more than five bushels in a large number of trials in various counties.

Prof. M. F. Miller of the Missouri Experiment Station found that the seed from pedigreed corn gave an average increase in trials in eighty counties in that state of more than ten bushels per acre. Had the farmers of either of these states used pedigreed seed instead of the unimproved kind, their income would have been increased millions of dollars each year.

If congress, instead of buying and furnishing gratuitously small packages of seeds of ordinary strains, would co-operate with the various agricultural colleges and experiment stations in originating and developing new and better strains of the standard crops from which the wealth of the nation comes, and join in a systematic plan to induce the farmer to use only pedigreed seed, the country would be millions of dollars richer and the problem of the future food supply will be at least temporarily solved.—H. J. Waters, President Kansas State Agricultural College.

Uncle Sam's Hired Men Throw Away Farmers' Hard Earned Money

Begun with the best intentions, benevolent in theory, capable of no little good if rightly supervised and kept within bounds, distribution of free seeds by the government through members of Congress has become a gigantic farce. Congressmen are its only beneficiaries, and even for their purposes it probably has not a tithe of the value many suppose.

It costs the government vast sums, but I recall no instance since its beginning in which it was of practical benefit to agriculture. There have undoubtedly been such instances, but so rarely that they are not remembered. I think Secretary Wilson, too, regards it as one of the greatest humbugs of the times, but so long as Congress appropriates the funds and places the details in his department the Secretary is compelled to appear in the farce as leading man.—F. D. Coburn, Secretary of Agriculture.

into four sections, and the number of senators, representatives and delegates in Congress is multiplied by 12,000 to find the aggregate number of packages that it is necessary to buy and put up in order to supply the demands of the free seed distribution.

The idea of the greatest nation on earth spending millions of dollars each year to maintain a department whose "largest single business is to send out on Congressional orders, free pander and flower seeds" to the richest people on earth is ridiculous in itself; but when it is remembered that only a part of these seeds reach people who can use them, and these do not get enough to make much of a planting, it becomes supremely so.

FREE SEEDS ARE DEAR SEEDS.

The free distribution of seeds, as now practiced by the Agricultural Department at Washington, is a waste of the people's money. Seeds are distributed promiscuously to voters, whether they use seeds or not. Sacks of seeds by the hundred pounds come to the post office at Topeka every season and are given to those who call for them. Most of these people do not use seeds, and either sell or give them away. They take them because they get something for nothing.

The real user of seeds when he wants such, wants a certain definite variety of seeds and wants them in a hurry. At the free counter seed store you get what they give you, and whenever they get ready to give it to you. If in the early spring your thoughts turn to "garden sass," and you write your Congressman for a package of radish and lettuce seed, you are more than liable to get a package of squash or pumpkin seed, and they of a very late variety. Your Congressman has no time to pick out the seed you need, nor is there any provision made in the Department at Washington to fill your wants.

Possibly the free distribution of seeds to real sowers of seed might be of considerable benefit to some, provided such distribution was carried on in a proper businesslike manner. The best and freshest of seed should be provided and should be sent only to those who promise to use them, and who would report the results from such seed back to the Department. Many other systems could be suggested, but the present system is a delusion and a farce, and the sooner it is changed for something that will be of benefit to the farmer and market-gardener the better.

THOMAS OWEN.

Save Your Hogs!

**Use Merry War Lye—Insure Your Pork Profits
—Don't Let Those Fat Sides and Shanks
Escape—Kill Worms and Cholera—
Keep Your Doves in Prime Con-
dition—Take No Chances—
Get "Merry War" Lye, the
Sure Remedy—Today!**

Will you take a little friendly advice, Mr. Hog Raiser, from one who wants to see you increase your pork profits? Then please listen to this:

Just keep "MERRY WAR" LYE on hand, and mix and feed it with slop the year 'round. This simple, easy, inexpensive method will surely solve your hog troubles, for "Merry War" Lye was specially prepared to prevent and cure worms and cholera in hogs—and does it!

You know very well what it means when a hog loses interest in life and slinks around, with a vacant stare in his eyes, appetite growing less as he gets thinner and thinner every day.

Right here is where you should get busy, Mr. Hog Raiser, if you want to save your carefully nursed profits in flesh and fat. For you'll never—NEVER—"cash in" on those fast vanishing sides and shanks, unless you quickly prevent Mr. Ailing Hog from passing in his checks and becoming food for the rendering vat instead of prime hams and bacon for the breakfast table.

Now, don't blame the Sick Hog! Cure him! Help him and fatten your pocket-book—by using "Merry War" Lye, the only absolutely unfailing, sure specific for worms, cholera and all hog troubles.

Merry War Lye Kills Worms—

Are your hogs insured? If not, why not? "Merry War" Lye will keep your hogs always fat and healthy and insures your getting them to market in prime condition to bring top prices.

And remember this: "An ounce of prevention is worth a pound of cure," when it comes to the matter of hog health. Don't wait until your hogs are down sick, but keep them well.

It's your fault, if they are not always in prime condition because it's simply a matter of a little common sense and a little "Merry War" Lye. You supply the sense and the

nearest dealer will supply "MERRY WAR" Lye at a cost so small that you'll never even notice it!

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.

In a few days see marked improvement in your hogs. It cleanses the system, tones the digestive organs, puts sick hogs in prime condition and renders them immune from contagious diseases. The first trial will, without question, convince you and the expense is too trifling to think about.

big drove of hogs along into prime condition ready for market, only to see my piled up profits in flesh and fat go glimmering in a few days from those pesky hog diseases.

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

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

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

"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 very small compared to the immense saving it makes you.

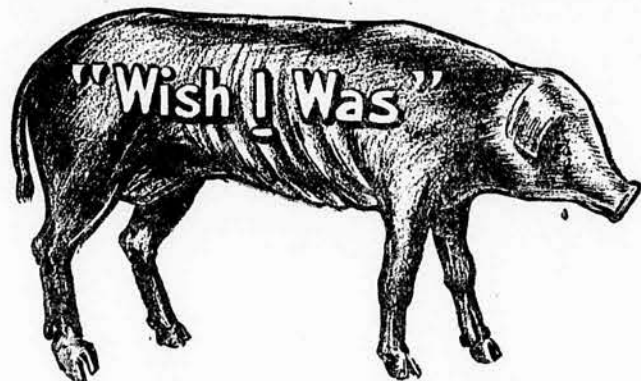
Take No Chances—Act Now!

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!

Insist On "Merry War" Lye

Ask your dealer for "Merry War" Lye—and insist on getting it! There are other brands of lye put up for certain household uses, but only one—"Merry War" Lye is absolutely safe and specially prepared for preventing and curing cholera and worms. If your dealer can't supply "Merry War" Lye, write us and we will tell you of one who can.

We will also send you a valuable book—FREE—on "How to get the Biggest Profits from Hog Raising." "Merry War" Lye comes in 10c cans or 24 cans for \$2, at Grocers or Druggists. Ask for it today sure.



E. MYERS LYE CO., Makers of "Merry War" Lye, Dept. 12 | St. Louis, Mo.

A Letter From Schultz of Kansas.

Adam Schultz of McLouth, Kansas, states in the following letter that his actual experience in feeding Merry War Lye proves every claim made for it:

"I have given MERRY WAR LYE a

good and fair trial and it has made marked improvement in my herd. Before feeding the LYE I did not have any sick hogs, but they did not eat as they should when they are doing as they ought to and they looked rough and their hair was rough and sometimes some of them would not eat at all and some would eat a little and then go off and lie down, but after feeding the LYE about eight days could see a marked improvement in my herd.

"They began to all come out at meal time and take a hold as they should to eat and they began to feel happy as they came to eat. They jumped and played and that

they did not do before feeding the LYE and they now look slick and thrifty.

I have only fed nine cans of MERRY WAR LYE to about forty-six head and they are everyone of them doing fine. I consider this MERRY WAR LYE the best Hog Remedy I have ever used, and the cheapest.

"I have spent a good deal of money, at times when my hogs were not doing right but never got the results from any of the so-called Hog and Cholera Remedies as I have from this LYE. My son got one-half of the dozen cans and his hogs were in worse shape than mine and he has fed all of this to about sixty head and they are doing fine."

Hand Cream Separator

Of the many important inventions of the past century, probably none has been of as much benefit to the farmer as the hand cream separator. It has not only enabled the cow owner to increase his revenue per cow, but has made it possible for thousands of farmers to become interested and money-making participants in the dairy industry.

In thousands of farm dairies the hand cream separator represents the difference between profit and loss. Where old style methods of hand skimming or water dilution separation did not return the farmer cost on his dairy products, the centrifugal hand cream separator has saved so much butterfat previously lost in the skim-milk that the saving has become the farmer's profit.

Prior to the advent of the hand cream separator thousands of farmers had no market for their milk. They were too far removed from the cities to take advantage of those markets. Hand skimming of cream was too wasteful of valuable butterfat and hauling whole milk long distances to skimming stations or creameries was too laborious and expensive. More than this, any and all of these systems deprived the farmer of the fresh, warm, skim-milk for feeding calves and pigs and other farm animals.

FEEDING VALUE OF WARM SKIM-MILK.

The value of centrifugal hand separator skim-milk for feeding is difficult to estimate in dollars and cents, because its value depends on the manner in which it is fed. Prof. G. L. McKay, formerly of Ames College, Iowa, in a bulletin says:

"No invention of recent years has benefited the dairy farmer so much as the little hand separator. By its use a saving of at least twenty-five cents per hundred is made over the whole milk delivery or gravity skimming system.

"Sweet, warm skim-milk is one of the most perfect foods known for young animals. It brings out additional food value when fed intelligently with other feeds. When sweet it possesses high nutritive value but when partially decayed and in a badly fermented condition it is practically useless."

The above should be sufficient to convince the thoughtful farmer that a cen-

trifugal hand separator will pay for itself in the increased value of skim-milk alone.

WATER SEPARATOR WASTEFUL.

Some few farmers are still using the water separator or the water dilution method of separation. The facts will convince the farmer that such a method is undesirable if not altogether wasteful. For the following principal reasons the so-called "water" separator is unprofitable.

(1) The water dilution spoils the skim-milk for feeding.

(2) It gives large volume to handle and involves increased labor.

(3) Cream is always of poorer quality as most well water contains micro-organisms, which when added to the milk impair the keeping quality and flavor of the cream.

GRAVITY SEPARATION VS. CENTRIFUGAL SEPARATION.

The efficiency of separation of diluted and undiluted milk separated by gravity and by the centrifugal hand separator, is reported by the Wisconsin Experiment Station as follows:

In comparison, the water dilution system loses 77 times as much fat, the gravity system set at 60 degrees Fahrenheit 100 times as much, and the gravity system set at 40 degrees Fahrenheit, which requires ice, 29 times as much fat, as the centrifugal separator. The centrifugal hand cream separator will pay 50 per cent interest on its cost as opposed to any other system of cream separation.

OTHER ADVANTAGES OF CENTRIFUGAL CREAM SEPARATOR.

The centrifugal hand cream separator has many advantages over the shallow pan and deep setting methods of creaming milk. Some of these are:

(1) The loss of fat in the skim-milk is reduced to a minimum.

(2) It saves the cost of utensils and the space required for their accommodation.

(3) It gives better and more uniform quality of cream.

(4) The richness of cream can easily be regulated as desired.

(5) It saves labor in washing utensils and in handling ice for cooling purposes.

(6) The skim-milk is in the best possible condition for feeding purposes.

Pull Your Own Stumps.

There are many sections of the state, particularly in the eastern half, where the increasing price of land has compelled the farmers to clear up brush and timber land in order to get a greater number of acres for cultivation. In such cases the remaining stumps furnish a serious problem. The lighter woods like the elm and hackberry will rot down after a number of years, but the oak, walnut and mulberry stay on forever. The manufacturers of high explosives now prepare a special powder for blasting stumps which can be used by an expert, though at some risk to one not familiar with them. The stumps can be burned out as shown in a little article and sketch in a recent number of KANSAS FARMER. This however, is not always satisfactory. The best way is to use a good stump puller, and possibly the next best way is to make a stump puller of your own. This can be done cheaply and economically if the number of stumps is not very great or the stumps are not too large. Cut a strong pole about 30 feet long and not less than 6 inches in diameter at the small end. Dig down on one side of the stump until a strong root or projection is found, then lay the large end of the pole against the stump and fasten it to the root by means of a big log chain. After this is done hitch a team to the long end of the lever and start the horses around the stump. This will exert a powerful twisting motion, and if the stump is not too large, will bring it out of the ground. The short end of the lever need not be more than one foot long, while the remaining 29 feet or more will afford the means of applying such power that it will be difficult to secure a log chain strong enough to remove the stump without breaking. If this method is applied in the spring when the ground is soft and loose it will not be found so very difficult to get rid of the ordinary stumps. As before stated, if the field is large and the stumps numerous, it will pay to either buy or hire a stump pulling machine. In any event it will pay to get rid of the stumps if the land is needed for cultivation.

The Shrinkage of Corn.

The amount of shrinkage of corn incident to storage is a debated question. In addition to the decrease in weight which is due to the loss of moisture, there is on practically every farm a considerable amount of destruction of all grains, and from various sources. Careless methods of handling, poor shelter, rats and mice, and possibly dampness, will all cause a shrinkage either in quality or amount.

Corn which has matured naturally and is in good cribbing condition contains from 18 to 20 per cent of moisture. Thoroughly air-dried corn will contain about 14 per cent. When corn is put into the crib in the fall in good condition it will lose about 3 or 4 per cent in weight by the following February and 7 or 8 per cent by the first of June. After the first of June corn will lose rapidly in weight until it is one year old, when it will be found to have lost from 12 to 14 per cent through the evaporation of its moisture. This does not take into account loss from rats, mice, insects, birds or poultry and would seem to indicate that if the corn is intended for sale it should be disposed of not later than the first of June.

It is evident that in the hot summer months there is an actual loss of dry matter, as not over 6 or 7 per cent of the shrinkage is due to moisture. With wheat, oats, barley, and other small grains there is little loss of weight in storage, at least for several months, if the grain has gone into the bins in a dry condition and is protected against insects and rodents. If the grain is slightly damp, the shrinkage may be as much as 5 per cent. Air-dry wheat contains about the same amount of moisture as does air-dry corn.—F. B. Nichols, Riley County.

Honey Tea Cakes.

One cup honey, ½ cup sour cream, 2 eggs, ½ cup butter, 2 cups flour, scant ½ teaspoonful soda, 1 teaspoonful cream tartar. Bake thirty minutes in a moderate oven.

THE ONLY QUALITY SEPARATOR BUILT!

We can prove to you that the IOWA DAIRY SEPARATOR is positively the best separator made — that it stands in a class by itself — that there is as much difference between it and other separators as there is between silk goods and cotton goods, or between day and night:

THE IOWA IS ABSOLUTELY THE CLOSEST SKIMMER

BECAUSE the double core gives a larger skimming surface in our small bowl than in the big bowl on any other machine. The discs on the inner core are wide apart, giving a free and open passage for the thick cream. In the outer part of the bowl, where the last particles of butter fat are skimmed, the discs are close together, dividing the milk in very thin layers, thus giving the largest possible skimming surface. WE SELL YOU THE IOWA SEPARATOR ON A POSITIVE GUARANTEE THAT IT IS THE CLOSEST SKIMMER MONEY CAN BUY.

THE IOWA SEPARATOR IS THE LIGHTEST RUNNING MACHINE

BECAUSE it has the lightest bowl of equal skimming capacity of any machine, and you know it takes less power to keep 3 lbs. in motion than 6 lbs. Our gearing is so arranged that it does away with the old worm principle used on other separators. Note the slant given the wheel which drives the bowl. This eliminates the friction of the old style worm wheel. Each bearing has a reservoir of oil, in which no dust or dirt can collect. This is different from any oiling system used in any other separator. THE IOWA MACHINE HAS PROVEN IN ALL EXPERIMENT STATION TESTS TO BE THE EASIEST RUNNING MACHINE MADE.

THE IOWA IS EASIEST AND QUICKEST CLEANED

BECAUSE it is the only machine in which the skimming device can be washed by centrifugal force. The washing is done by simply running water through the bowl. It has a self-draining bowl and all milk drains out of it at the end of the run. The skimming device consists of only two pieces. The heaviest piece a woman has to lift in washing this machine weighs only 3 lbs., while in other machines she has to lift from 10 to 15 lbs. THE IOWA SEPARATOR IS CLEANED IN JUST ONE-HALF THE TIME IT TAKES TO CLEAN ANY OTHER MACHINE.

The Iowa is the most durable.

BECAUSE the frame is heavier than that of any other machine. There are no overhanging bearings, every wheel is supported by a bearing on each side. The gears are tightly enclosed so that dust or other matter cannot get to them to clog them and cause them to wear. The IOWA bowl being lighter, requires less power to maintain its proper speed and hence there is less wear on the gears. NO OTHER MACHINE CAN LAST SO LONG BECAUSE NO OTHER MACHINE CONTAINS THE ABOVE FEATURES.

We have the largest separator factory in the world and it is a fact that you cannot buy a separator anywhere at any price that will equal the IOWA in all the above points.

If you can find any other separator that will skim to its rated capacity under all conditions as closely as the IOWA, we will make you a present of one of our machines. There are no strings to this offer and it is not limited in any way.

Write us before you buy and we will give you some surprising inside information on separators.

Iowa Dairy Separator Co. 188 Bridge St. Waterloo, Iowa.



How I Made a Million Dollars Farming

I farm 26,000 acres of good land; 18,000 acres of it is in corn. I use a double row cultivator like one shown below and it saves me \$20,000 a year.

My name is David Rankin. Perhaps you know of me through hearing about my big farm at Tarkio, Mo. I've been a farmer and stock feeder since I was 11 years old and my specialty has been corn. I have made a million dollars out of corn indirectly.

I mention these things merely to show that I know something about corn, and about corn growing and about the machinery that gives most help in raising corn.

It's about the cultivator I use that I want to talk to you. I think I built the first one-row cultivator myself in 1853. The two-row machine that I make now called the David Rankin Two-row Cultivator, is just like it except that there's some 57 years of improvement on it.

Will Save You Man and Horse

I save on my farm \$20,000 a year with this cultivator, that's about \$1.11 per acre.

If you are now using more than one of the single row cultivators, it will save you \$1.11 per acre.

It will save you the whole time of one man and one horse.

You see it does the same amount of work as two single row machines in the same time—with one less man and one less horse. If you grow 80 acres of corn, for instance, this two row cultivator will pay for itself and save you from \$40 to \$50 cash over and above its price the first year.

IT WILL DO BETTER FOR YOU THAN FOR ME.

It will do better than that probably, and here's the reason why. My farm is so big that I can't watch all of my men all the time. They will short cut on corners and won't go close to the fence and will skip over spots now and then.

That costs me money—I keep close tab on these things, so I know. I operate 125 of these machines all the time.

But you will probably operate the machine yourself or personally oversee those who do, and you will get all those places that I miss. You can cultivate as close to a fence with this cultivator as you can with a single row plow—you can work on side hills as well as with the one row—you can plow straight or crooked rows on smooth or humpy land. There isn't anything it won't do as good as a single row machine.

EASIEST HANDLED.

Everybody says it's the easiest handled machine they ever saw. There's no doubt about that. It is very light draft, too.

Outside of all the saving you can do with one two-row cultivator, it costs less to buy than two one-row riding cultivators.

But you don't want to figure the cost of a machine by the price tag on it.

Divide the price by the number of acres you have and then subtract the average of what the machine has saved others per acre. The difference is the profit per acre the machine will make for you. It's the right answer, too.

HELPS TOWARD INTENSIVE FARMING.

The only way you can make your present size farm pay bigger profits is to reduce the cost per acre of production. If you can save \$1.11 per acre on the cost of production of your corn through the use of this machine, it's as good as adding \$1.11 per acre to the yield, isn't it?

It makes your present farm pay better and that's what you want. That's a step toward intensive farming and intensive farming has got to come in this country.

A WORD ABOUT SUCCESSFUL FARMING.

I regard whatever success I've had

as due mainly to the fact that I have always used labor saving machines, even if I had to borrow money to buy them with. I had to borrow to buy my first plow.

If I bought a plow one season and saw a better plow the next year I didn't hesitate a minute. I threw away the first one, if I couldn't sell it, and bought the better one. Many manufacturers who are getting out new machines send them to me before putting them on the market and ask me to try them out. They know I'm a crank on farm machinery and that I can give them actual figures on the real value of the machines.

You've got to work fast to make the most out of your farm, and the only way you can is with good machines.

Single row cultivators get on my nerves with their slowness. You never see one around my place.

You ought to have a two row—if I am any judge of how to make money out of corn—and you ought to have this particular two row cultivator because it is the original two row cultivator and the best cultivator I have ever seen, and I guess I've seen them all.

MY PERSONAL MONEY-BACK GUARANTEE.

I have such unbounded confidence

in this cultivator that I personally guarantee it.

If any man uses a David Rankin Two Row Cultivator for two weeks on his farm and does not feel that all that is claimed for it is true, he can send it back to Tarkio and I'll buy it right back at the full price and freight. I'll see that every cent he paid is refunded, including the freight both ways.

That's what I think of the David Rankin Two Row Cultivator.

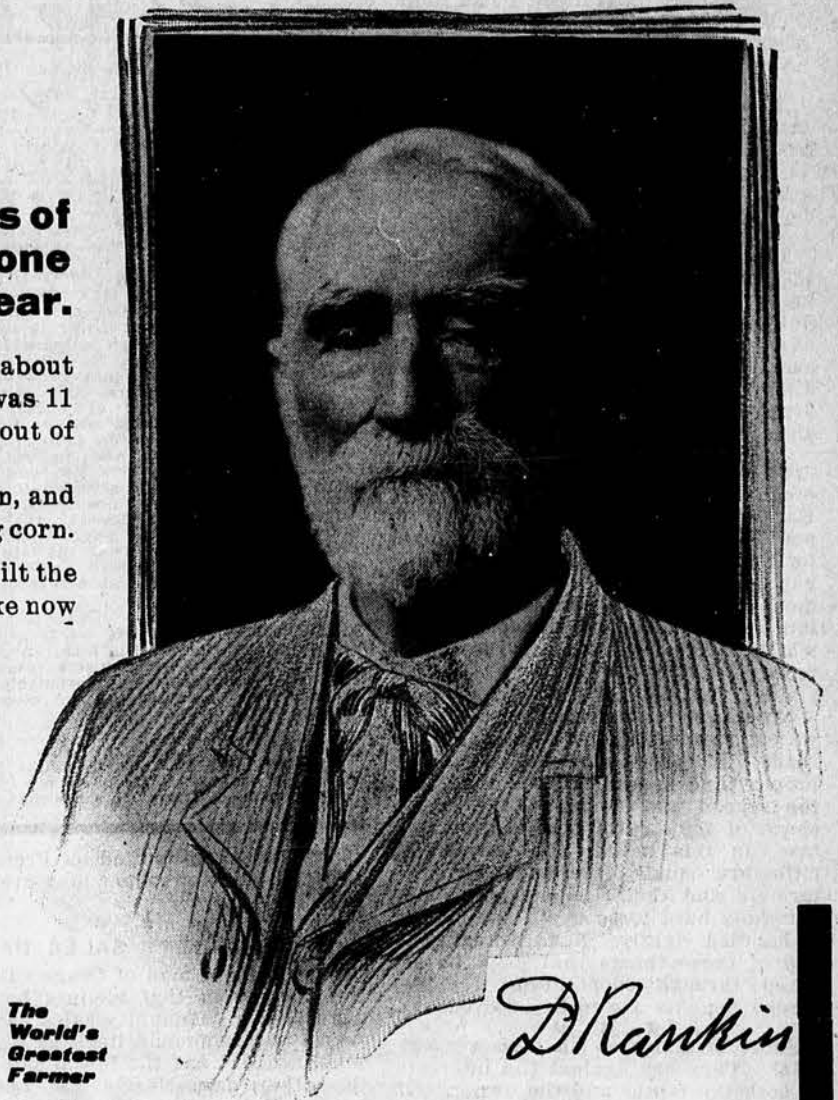
There are a great many of these cultivators in use on large and small farms, and I want to say right here that the small farms need them most because they most need intensive farming.

If you raise as little as forty acres of corn you need this cultivator.

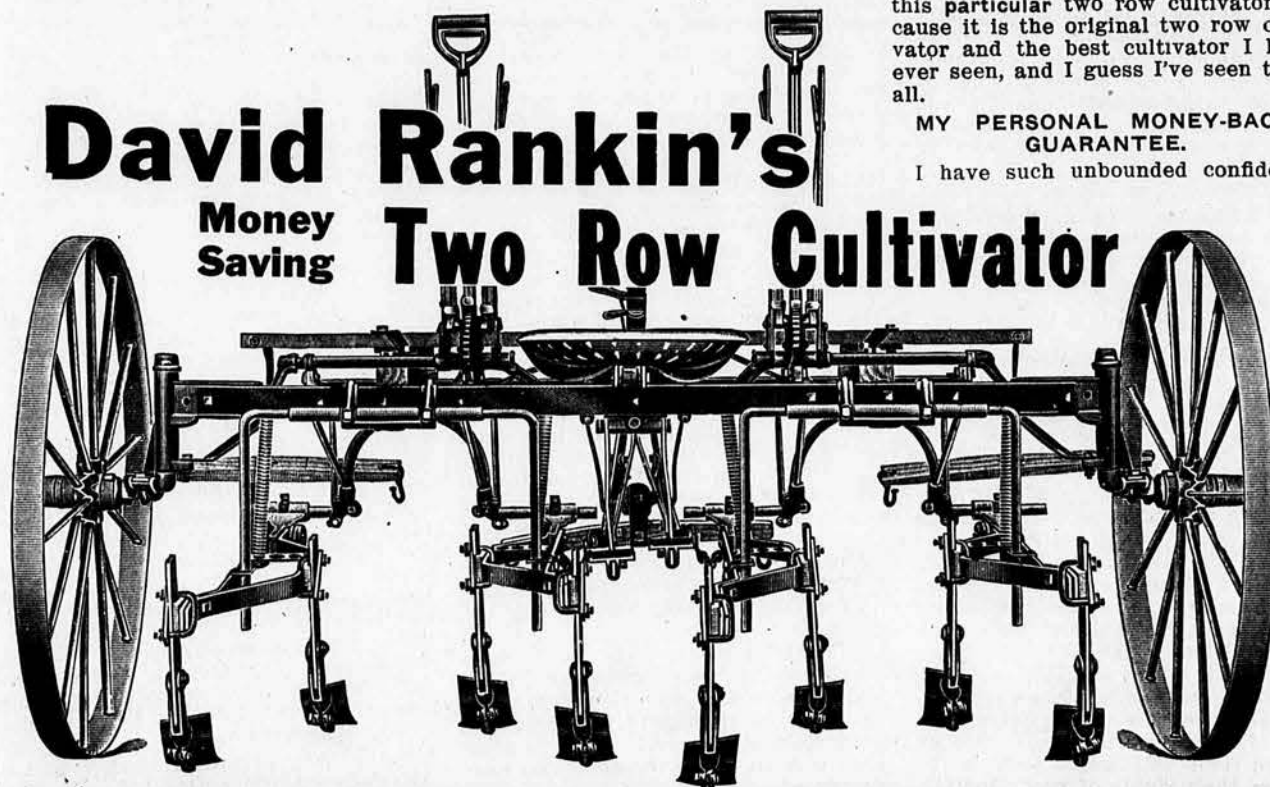
ONLY ONE PROFIT IN MY PRICE.

I don't want any more than a fair profit on this cultivator, and I don't sell through your local dealer, so you keep the money he'd make. You get a better cultivator at a lower price when you get one of these direct from me than you can anywhere else that I know of.

But let me send you the catalog that tells all about the cultivator in detail, then you can decide for yourself. Send your address on this coupon.



The World's Greatest Farmer



D Rankin

(1) President.

Cut Out as a Memo to Write David Rankin this way:—

DAVID RANKIN,
Box 115, Tarkio, Mo.

I'd like to read all about your Cultivator, so send me full information.

Name.

Address.



KANSAS FARMER

EDITORIAL



The grain farmer has small interest in permanent agriculture. The immediate crop is his object and his children can starve on his worn out farm or hustle for a city job.

Mixed farming, which is live stock farming, is the only kind that does not leave the land, and the owner, poorer. Through live-stock present success is attained and the future welfare of the farm made sure.

There are now under observation 120 pure bred varieties of wheat growing on the plots of the Experiment Station at Manhattan. These will be observed carefully for yield, quality and general adaptation to Kansas conditions and also in the work of seed breeding and observation of pests and diseases.

Statistics which have been gathered by Chancellor Strong of the Kansas University show that about 80 per cent of the students of that institution are at least partially self supporting. Most of them earn their money during the vacations, but a large number improve the spare hours which they can find during the school term.

No plan for spring work is complete which does not include dragging the roads. If this is attended to at the proper time it insures good roads for the season and removes the larger share of that awful burden, the mud tax. In this matter the towns and cities are equally interested with the farmers and their cooperation is not generally hard to secure if the matter is handled rightly. Road dragging is one of those things that must be secured through cooperation if widespread benefits are to be enjoyed.

Short term leases on land are suicidal. They are against the interests of both the renter and the owner. Of course the latter wants a good tenant and when he secures one he should cooperate with him to not only prevent the farm from "running down" but to actually improve it. On the other hand, the renter is just as anxious to secure a good landlord and when this is done he should work in the interest of both. Questions of permanent improvement and repairs, the spreading of manure, etc., should be handled liberally by the landlord who must know that anything that is of permanent value to the farm is to his own interest and worth paying for.

A. P. Grout, who is a member of the State Board of Agriculture of Illinois and a very successful hog raiser stated recently that he had made more money on his hogs during the past season than ever before. Mr. Grout does not live on his home farm but has taken a great deal of interest in the training of his men. He found that they were not specially interested and only did the routine work required of them, because that was necessary in order to secure their pay checks. Last spring he secured a man who was interested in hogs and let him devote all of his time to the business of hog raising. He saw that he was carefully instructed in this business and the result has been that he has brought through 100 fall pigs in as good condition as his spring pigs were, in spite of the adverse weather conditions. Mr. Grout says that his former failures have been due entirely to the neglect of little things by his men. These things seemed small to them but were necessary. He urges that all farmers whether owners or renters should attend farmers' institutes and brighten up their wits by contact with their fellows.

THE NATIONAL FEEDERS AND BREEDERS SHOW.

The fourteenth annual exhibition of the National Feeders and Breeders Show Association will be held in the Coliseum, Ft. Worth, Tex., March 14-19 inclusive. One of the features of the occasion will be an enormous barbecue to which a number of large packing houses and other important business firms have contributed special features.

This show has grown to have a national importance and draws stockmen from all sections of the south and west. The attendance is sure to be large, and the interest great. March

With which is combined FARMERS ADVOCATE. Established 1877.
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ADVERTISING RATES.—25 cents per agate line, 14 lines to the inch. Announcements of reputable advertisers respectfully solicited. No medical nor questionable worded advertising accepted. Forms close Monday.

OUR GUARANTEE.—It is our belief that all advertisements in this paper are from reliable persons or firms. To show that we are

15 has been designated as Press Day to which the newspaper men are specially invited.

A COMMUNITY SALES DAY.

The business men of Osage City and the farmers of that vicinity have inaugurated a community sales day that seems to recommend itself as a profitable measure. At the initial sale, held the other day, Nearly 200 head of horses, mules and cattle were disposed of at good prices to the 2,000 farmers in attendance. In addition there were many farm implements, buggies, wagons and household articles disposed of at exceptionally good prices. The sales were all for cash and the business men paid all expenses and refunded the railroad fares of those who came from a distance. This first market day in Osage City, was so successful that it will probably be made a monthly event.

FIGHT THE CHINCH BUGS.

There seems to be a general alarm over the prospects of another chinch bug insurrection this spring. That there is real danger cannot be doubted but that every man, woman and child between the ages of 12 and 65 may be ordered out to fight these bugs may not be generally known. Yet such is the law in Kansas. Sections 3263 to 3276, of the laws of 1877 was aimed especially at the grasshoppers, but applies to any kind of insects and it is still in force. It provides that whenever the trustees of any township in Kansas believes that there is danger of the loss or damage to the crops of the township that he may "warn out" all persons in the township, except those in incorporated cities to help fight the insects. Every person over twelve and under sixty-five years of age may be called out to aid in the fight. The trustee is to select the weapons and methods to be used and the law provides that sticks, pieces of metal, ropes and almost any other material including fire may be used in fighting the insects.

BURN OUT THE CHINCH BUG.

After a period of seeming rest from the ravages of the chinch bug the state now seems to be threatened with another and serious outbreak. It was hoped, at one time, that these pests were destroyed from the Kansas wheat fields but recent investigations by state and government entomologists show at least a threat from this insect if not real danger. The prairie grass and other convenient hiding places, particularly those adjacent to fields where the bugs were plentiful last year, are full of them. The larger part of these can be destroyed by burning the grass and some of the railroads have already signified their willingness to burn the grass on their rights of way. Individ-

ual effort in protecting our subscribers we guarantee the trustworthiness of our advertisers under the following conditions: We will make good the loss of any paid up subscriber who suffers by dealing with any fraudulent advertiser in our columns, provided complaint is made to us within thirty days after the transaction. This guarantee means just what it says. It does not mean that we guarantee to settle all trifling disputes between a subscriber and an advertiser, though we offer our good offices to this end. We do, however, protect you from fraud under the above condition. In writing to advertisers be sure always to say: "I saw your advertisement in Kansas Farmer."

CONTRIBUTIONS.—Correspondence invited on all farm topics, live stock, soil cultivation, grains, grasses, vegetables, household matters, recipes, new and practical farm ideas, farm news, Good photographs of farm scenes, buildings, live stock, etc., are especially invited. Always sign your name, not for publication, unless you desire it, but as an evidence of good faith. Address all communications to

KANSAS FARMER COMPANY,
Topeka, Kansas.

ual effort in this matter can not be very efficient, however, and the matter seems to be of sufficient importance for neighborhood or even county action.

Action must be taken promptly as the grass should be burned clear to the ground and this as soon as it is dry enough, and before the new growth starts.

YELLOW BERRY IN WHEAT.

Just what the cause of yellow berry in wheat may be has not yet been determined satisfactorily. Some authorities claim that it is due to adverse weather condition. Others, that the berry in forming and ripening develops in such a way that air spaces are forced within it where starch grains would ordinarily form. Again it is claimed that in its growth the berry replaces protein with starch and when this is true the yellow berry results. It seems to have been demonstrated that the yellow berry is the result, in part at least, of hereditary tendency and not altogether due to climatic conditions. However, these questions have not been solved as yet and Prof. H. F. Roberts of the Agricultural College has perfected a method by which he is having the starch grains or whether air spaces take the place of the starch. In connection with the chemical department of the college he is trying also to determine just what the wheat plant puts into the kernel at the time the berry is being formed. Through this cooperation, it is hoped that real knowledge may be gained and the influence of breeding, weather conditions, etc., be determined. In other words, does the weather or the soil or both produce the yellow berry, or is it a degenerate type of wheat?

WILL THERE BE A CORN FAMINE?

Experiment stations, agricultural papers and corn experts unite in saying that the early freeze which came in October last has done serious damage to the germinating powers of corn. This freezing weather did not work a change in the appearance of the corn nor did it materially interfere with its feeding value, but it did destroy the germ and this renders it unfit for planting. Available statistics show that fully 90 per cent of the counties in Iowa have suffered damage to the seed, about 48 per cent in Illinois, 41 per cent in Nebraska, 66 per cent in the Dakotas and 22 per cent in Indiana. Kansas fared better than any of the others, only about 20 per cent of the Kansas counties having suffered.

All of this means that the farmers must test their seed corn before planting. It would be just as profitable to plant so many bullets and expect a good yield of corn as it would to plant seed corn in which the germ has been destroyed.

While the reports indicate that Kansas has fared better than the other states it is not free from danger. It may be true that Kansas is even so fortunate as to be able to supply her sister states with seed corn but this does not release the obligation to test the seed. This may be done in various ways but for large areas the testing machine would undoubtedly prove a cheap investment.

A NEW TOBACCO TERRITORY.

Last year, through the enterprise of the Leavenworth Daily Post, a number of farmers in Kansas and Missouri near Leavenworth were induced to raise a few acres of tobacco. This is a new departure for this section and the results obtained have been so great that there are now about 50 farmers in the county who have secured seed and made plans for planting tobacco the coming season. Gus Aaron on Route 5 made \$260 per acre on his tobacco crop last year and is now planning to put in 12 or 15 acres and erect a tobacco barn 40 by 150 feet and 24 feet high. He will employ a tobacco expert from Kentucky as will also Mr. John Taylor who will plant 15 acres. Other planters are O. G. Ballard, Geo. Farner, Lawrence Scruggs, Sam'l Baker, John Renensland, P. C. Fields, J. H. Roach, Ed. Hanley, W. J. Brightwell, Wm. Starnes, Joseph Chase, L. P. Price, C. B. Roundy, J. W. Bowlin, Miller Jones, H. L. Eyehoner, Clinton Henderson, S. R. Flickinger, B. B. Eschelman, G. M. Thompson, Robt. Galvin, Perry Moore, W. H. Quisenbury, F. M. Herken, W. D. Pully, J. R. Young, J. A. Knapp, Claude Gore, E. C. Lindsay, Mrs. Geo. Adams, John Guhn, John McGee, Alfred Arnold, C. B. Mills, E. D. Lane, Wm. Maddix, R. W. Gilmore, W. G. Goff, Henry Knipe, Geo. Smith, Geo. Baker. These farmers will average about 3 acres each. Rumor also has it that tobacco growers from the "night rider" districts of the south are planning to move in numbers to this new tobacco territory.

A NEW INDUSTRY FOR WESTERN KANSAS.

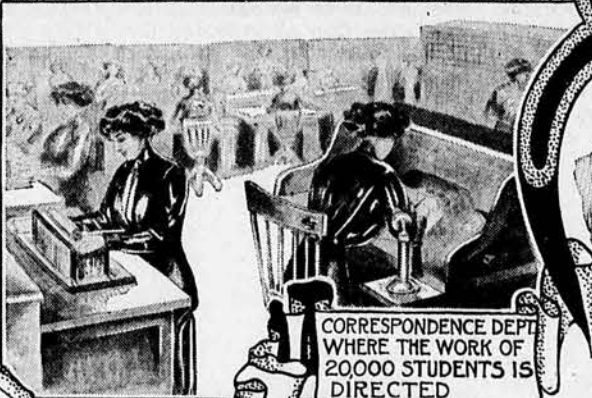
Alfalfa is always a money maker, but it is doubly so if a good seed crop can be raised. It has long been known that isolated alfalfa plants would set seed far better than those which are grown close together. It is also known that climatic conditions are such that any farm crop that will thrive in western Kansas generally yields more seed than it does stalk or leaves. Out of these facts and the demand for alfalfa seed, grown under ideal conditions, has developed what amounts to a new industry for western Kansas. This is nothing less than the growing of alfalfa seed by a cultivation of the plants in rows. This method can be used in any country where the rainfall is fourteen inches or more, and as the normal annual precipitation rainfall map shows that there is no section of Kansas where the rainfall is below 15 inches, the possibility for this new method is great. It is stated that farmers who have tried cultivating alfalfa in rows have reached an average yield of about 5 bushels of seed per acre. This may be slightly above the real average, but even at four bushels per acre the profit would be greater than from any other crop in this region.

In this connection it is interesting to note that some experiments show that alfalfa plants, which occupy a space of seven inches square each, produced a maximum of 38 pods, while those growing on a space of 11 inches square reached a maximum of 96 pods. The highest number of pods formed on plants grown in rows 39 inches apart, and set 18 inches in the row, was 505. The probable reason for this greatly increased yield of seed is to be found in the cultivation and the increased amount of sunlight which is admitted to the plant. If plants have sufficient space for full development, they have approximately equal illumination on all sides, and this causes a production of seed pods all over the plant instead of on the top only, as is the case in fixed stands.

The semi arid regions, so-called, offer the most favorable conditions for alfalfa seed production.

A WOMAN CAN EARN \$5000.00 A YEAR

DIRECTING THE BUILDING OF A MODISH GOWN.



YOURS FOR THE ASKING

The Book tells how

THIS BOOK SENT TO YOU FREE

Get the Book

WRITE FOR IT TO DAY

LEARN DRESSMAKING AT HOME BY MAIL

We Will Teach You To Your Own Satisfaction

Many women nowadays are earning \$100 a week—\$5,000 a year by dressmaking. One woman, the head designer in Chicago's largest retail dry good house, is said to receive \$10,000 a year. Salaries of \$25.00 to \$50.00 a week are common. Graduate dressmakers are wanted right now in many good towns and cities. Never before has there been such a demand for competent designers. We teach you by mail and equip you to command a good income. Or you can start in business for yourself. Become a Graduate Dressmaker. The regular diploma of this college is issued to all who complete this course of lessons. The American System is most thorough and complete in every detail, and yet very simple and easily understood. These lessons will teach you how to Design, Draft, Cut, Fit, Make, Drape and Trim any garment, including children's clothing. This study will not interfere with your regular duties. This College is endorsed by leading high-grade fashion magazines—McCall's, Harper's Bazar, Paris Modes, Fashions, Woman's World, Woman's Magazine, etc., etc.

Make Your Own Clothes.

SAVE MONEY by drafting your own patterns by doing your own sewing, and enable yourself to dress far better at one-third the usual cost.

SAVE TIME and the worry of having to wait on dressmakers in the busy season of each year.

What Are These Lessons Worth?

OUR STUDENTS SAY IN RECENT LETTERS:—"I would not exchange the knowledge I have gained for double the cost." "I would not take \$50 for what I have learned." "I have made 25 waists (6 silk ones) all perfect fits." "I have just saved the price of my course by making my own silk dress." "I have saved a large dressmaker's bill by doing my own sewing." "The knowledge gained from these lessons is enabling me to help my husband pay for our new home." "I would not sell this system for \$100."

The Children's Dresses.

Every mother wants her children to be well dressed. Many are not able to have the sewing done by a capable garment maker and the ready made garments are far from satisfactory. Our system thoroughly covers the subject of designing, cutting and fitting children's clothing.

The Author of This Course.

Our readers will be interested to learn of the signal success of a western woman who had the initiative to test a new and somewhat unique idea—teaching dressmaking by correspondence. Only a few years ago, Miss Pearl Merwin, now supervisor of the American College of Dressmaking, was modestly but successfully doing such sewing as came to her from her friends, as a natural result of the merits of her work. A college-bred woman herself, she conceived the idea of putting her knowledge and experience into the hands of those less favored, by crystallizing it into series of lessons which could easily and successfully be taught by mail. She commenced advertising in a small way, until the practicability of the idea was fully demonstrated. Her advertising may now be seen in all of the leading magazines. She has over 20,000 students and graduates throughout the country, and the product of her pen is widely sought. She is a striking example of the new woman—not however, of the mannish sort—who has "come up out of the ranks" largely by her own efforts, and that by confining her work wholly within the generally conceded province of feminine endeavor.—Clipped from "Human Life", published at Boston, Mass.

A Practical Demonstration.

Miss Pearl Merwin, Supervisor, Dear Teacher:—

I am very glad to have finished successfully the complete American System of Dressmaking, and want to thank you for your kindness and the interest you have taken in me.

When I started taking your lessons, they enabled me to make quite a number of things for myself and my friends, who were so well satisfied with my work that I took in all the sewing I could do, and I did exceptionally well.

Since completing my course, I have started dressmaking and have been very successful, having made a silk shirt-waist, suit, two skirts, two jackets and two fancy gowns, one of which I just completed today, and my customer is delighted with it. I appreciate the American System of Dressmaking very much.

After receiving my diploma I started on a large scale, taking in only the fancy and expensive gowns. Have made eight wedding dresses and several bridesmaid dresses, reception and graduation gowns, etc. I recommend the American System of Dressmaking at every opportunity, and remain, your student, Miss Emma J. Pierson.

Brownsville, Vt.

This Handsome Book Sent Free

Our new book on dressmaking recently published is proving to be of great value to thousands of women who have secured a copy of it.

This book illustrated above will be sent to you Free. At an expense of thousands of dollars this college has published 100,000 of these copyrighted books to advertise the AMERICAN SYSTEM OF DRESSMAKING, and while they last—will send you a copy FREE. Write for it to-day. One copy only to each woman. Requests will be filled in the order received.

American College of Dressmaking

669 Commerce Bank Building
KANSAS CITY, MO., U. S. A.

THIS COUPON WILL BRING YOUR BOOK FREE. American College of Dressmaking

669 Commerce Bank Bldg., Kansas City,
Mo., U. S. A.

Please send me free book and explain how I can learn to do my own sewing, become a professional dressmaker, and qualify for a good income.

Name.....

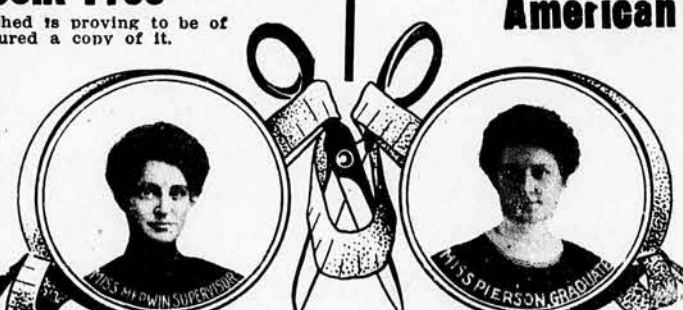
Street and No.....

City or Town.....

County.....State.....

Box No.....R Box No.....R.

F. D. No.....



LIVE STOCK



High priced feeds demand a high quality in live stock. Well bred animals are the cheapest and most effective machines for the manufacture of cheap raw materials into high priced products. Raise plenty of corn and alfalfa but ship it away on the hoof.

The new Kansas stallion law, which has lately gone into effect, has caused a tremendous increase in the work of the animal husbandry department of the Agricultural College. During one day over 160 letters were received from stallion owners who sent pedigrees for registration. It was surprising even to the head of this department how many of these animals are grades. This new law is not perfect by any means, but it is believed by its friends to be an entering wedge through which they will secure needed legislation which will protect farmers from inferior stock, and work a great advancement in the quality of the horses of the state.

A Kansas farmer states that about four weeks before farrowing time he begins to feed his brood sows a little oil meal in their swill. He starts with a tablespoonful for each animal and gradually increases the amount until the daily ration amounts to about one teacupful for each sow. This has proved to be a good feed and keeps the digestive system in excellent shape and renders the process of farrowing an easy one. It must be remembered that too much oil meal is deleterious or even dangerous. He says that about the week before farrowing he cuts down on the dry feed somewhat but never on the swill. With this treatment he finds that the sows give a good flow of milk and the pigs start right off to growing.

Dairy Bred Steers.

As to the value of dairy bred steers for beef, I would make reply to many western inquiries with a quotation from an address before our Annual Meeting by Prof. Clinton D. Smith of the Michigan Agricultural College.

"We turn next to a consideration of the dressed carcass and ask the steers whether, on the average, beef bred animals give a higher percentage of high priced cuts than do Holsteins. Here we are forced to find a state of facts existing quite contrary to our preconceived ideas, and in fact, quite contrary to judgment of the markets—facts which seem to relegate that judgment of the realm of unwarranted prejudice. Let me quote one instance of an experiment conducted at the Iowa station, in the very heart of the cattle-feeding area of the United States. At this station, Shorthorn and Holstein steers were fed, and when fattened, sent to the Chicago yards for slaughter and subsequent examination. Let me quote the results of that test from Henry's 'Feeds and Feeding,' page 377, the work being reported in the Iowa Experiment Station Bulletin No. 20:

Per cent of the various cuts of the dressed carcasses of the Holstein and Shorthorn steers:

	Short-horn.	Holstein.
Loins.	17.1	16.6
Ribs.	9.9	10.2
Rounds.	22.9	23.3
Chucks.	21.1	21.9
Plates.	15.4	14.2
Shanks.	5.7	6.4
Minor cheap parts.	7.0	7.4

"I submit that these figures indicate no superiority on the part of the beef breed as far as yield in percentage of high priced cuts is concerned."—F. L. Houghton, Sec'y. Holstein-Friesian Association, Brattleboro, Vermont.

Results With Hogs.

In 1901 Kansas suffered from a dry season and in certain sections of the state the farmers and swine breeders were compelled to allow their hogs to support themselves almost entirely on alfalfa pasture. This was an experiment which was forced upon them by the weather and crop conditions. Many of them had an idea that hogs

could be roughed through on alfalfa pasture, but few had the idea that they could make high quality pork without corn. Two things were learned from this forced experiment. One was that it was possible to make a marketable quality of pork from alfalfa pasture alone and the other was that the litters of pigs from the sows that had been compelled to subsist on alfalfa pasture were larger and much more vigorous than was common and in some cases, larger than ever before produced. While alfalfa is not a complete balanced ration for the hog it solves many hog raising problems and doubles the value of corn. Hogs can be produced with half the corn when fed with alfalfa. An Indiana farmer reports an experiment in fattening pigs that is of interest. At the time of the experiment corn was worth 80 cents per bushel and corn and grass were the only available feeds. This farmer found that by adding tankage at 2 cents per pound to the ration, he was able to feed out his hogs very much quicker and with a great saving of corn. In this connection it might be interesting to note the results obtained by the Ohio Experiment Station in which it was found that the daily gain of pigs fed on cornmeal alone was .56 of a pound. Those fed on cornmeal and soy bean meal was 1.05 pounds, those fed on cornmeal and tankage was 1.61 pounds, while those fed on cornmeal and skim milk was 2.23 pounds per day. This raises the question as to whether it would not be advisable, when corn is selling at about 1 cent per pound, to dispose of some of it on the market and buy something else in its place. The cost of the pork obtained in the above quoted experiment was 6 1-5 cents per pound of gain on corn alone. On corn and soy bean meal the cost was 4.7 cents per pound, on corn and tankage 4.1 cents per pound, and corn and skim milk was 4.1 cents per pound if the milk was figured at 15 cents per 100. Kansas gets as good or better results by using alfalfa.

The Best Wool and Mutton Breeds.

Editor KANSAS FARMER: You discuss the different breeds of sheep in the KANSAS FARMER and I would like to know which is the best wool and mutton breed, and which matures the earliest.—C. Walter Sander, Rooks Co.

As a general proposition the best breed of any kind of live stock for any man to handle is the kind he likes best. Perhaps the most popular breed of sheep in the United States is the Shropshire, though others have their champions, and in some localities, the Merino would be more suitable. The Shropshire is a composite sheep that is bred for both wool and mutton. It has a wide adaptability though it fares better on land that is not too rough as it requires a better pasture than the Merino. It matures as early as any other breed except, perhaps, the Southdown, and this habit of early maturity is one of its most valuable qualities. It is very docile and can be easily kept in a fold. It feeds well and its close fleece enables it to fatten and give excellent returns for the feed,

even though the shelter be only moderately good. It dresses out well and the mutton is of good quality. The Shropshire is a prolific breeder and is valuable for use in crossing or grading up. In wool production it stands well. An average clip of 9 to 10 pounds for ewes and 12 to 15 pounds for rams may be expected from a good flock. It is a hornless breed and this is thought by some to be an advantage. Under Kansas conditions the Shropshire has proved very profitable though the Ramboulllets are highly prized.

The Kansas Stallion Law.

A Bill to regulate the public service of stallions in Kansas and to provide for a Live Stock Registry Board.

Be it enacted by the Legislature of the state of Kansas:

Section 1. Every person, persons, firm, corporation, company or association standing or traveling any stallion in this state, shall cause the name, description, and pedigree of such stallion to be enrolled by the State Live Stock Registry Board, said board to consist of the dean of agriculture, the head of the veterinary department and the head of the animal husbandry department of the Kansas State Agricultural College, and to procure a certificate of such enrollment from said board.

Sec. 2. In order to obtain a license certificate as herein provided, the owner of each stallion, whether pure bred, grade or cross bred, shall file a certificate of the condition of soundness within one year from the date of publication of this act in the statute book, signed by the state veterinarian or a veterinarian duly authorized by him. Said certificate of soundness, together with a certified copy of the certificate of registry of the pedigree of said stallion and other necessary papers relating to his breeding and ownership shall be forwarded to the State Live Stock Registry Board.

Sec. 3. The officers of the Live Stock Registry Board, whose duty it shall be to examine and pass upon the merits of each pedigree submitted, shall use as their standard the stud books and signatures of the duly authorized presidents and secretaries, respectively, of the various horse pedigree registry associations, societies or companies, recognized by the United States Department of Agriculture, Washington, D. C., and shall accept as pure bred, and entitled to a license certificate as such, each stallion for which a correct pedigree registry certificate is furnished bearing the signature of the president and secretary of a government recognized and approved stud book.

Sec. 4. Every bill, poster or advertisement issued by the owner of any stallion enrolled under this act, or used by him for advertising such stallion, shall contain a correct copy of its certificate of enrollment.

Sec. 5. The license certificate for a stallion whose sire and dam are of pure breeding shall contain the following information: Certificate number, registration number, breed, color, owner and address, age, pedigree, statement of soundness by veterinarian, date of issues, seal and signature of dean of agriculture. The certificate for a grade or cross bred stallion shall contain the following information: Certificate number, statement of breeding, color, owner and address, age, statement of soundness, date of issue, seal and signature of dean of agriculture.

Sec. 6. The owner of any stallion standing for public service in this state shall post and keep affixed, during the entire breeding season, copies of the

license certificate of each stallion, issued under the provisions of this act, in a conspicuous place upon the main door leading into every stable or building where the said stallion stands for public service.

Sec. 7. A fee of \$2.00 shall be paid to the State Live Stock Registry Board for the examination and enrollment of each pedigree and for the issuance of a license certificate in accordance with the breeding of the stallion, as above provided. The veterinary inspection as provided for in this act shall not exceed two dollars for each stallion inspected.

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

Sec. 9. Any person, persons, firm, company corporation or association, who shall violate any of the provisions of this act shall be deemed guilty of a misdemeanor and upon conviction in any court of competent jurisdiction, be punished by a fine of not less than ten dollars and not more than fifty dollars for each offense.

Sec. 10. Any stallion standing for public service that is not a pure bred and registered horse must have conspicuously posted on the door of the stall in which he is kept and in letters in black type not less than one inch in height a statement that such stallion is a grade or a crossbred, as the case may be.

Sec. 11. The funds accruing from the above named fees shall be used by the State Live Stock Registration Board to defray the expense of enrollment of pedigree and issuance of licenses, to publish reports of bulletins containing lists of stallions examined, to encourage the horse breeding interests of this state, to disseminate information pertaining to horse breeding, and for any other such purpose as may be necessary to carry out the purposes and enforce the provisions of this act.

It shall be the duty of this board to make annual report, including financial statement, to the governor of the state, and all financial records of said board shall be open to inspection.

Sec. 12. This act shall take effect and be in force from and after its publication in the official state paper.

The writer has visited many a beekeeper, and their apiaries, and often sees queens 2 years old and others old and trembly and barely able to cling to the combs. The owners believed that man had not improved on the bee's way of superceding and rearing. The queens should have been replaced long before for the beekeeper can not realize anything from such colonies, and such queens should have their heads pinched at the first opportunity, and if another queen can not be conveniently given, let them rear one of their own rather than tolerate such queens in the hives.

BARRED PLYMOUTH ROCKS.

Bred for beauty and profit: 33 regular premiums. Eggs: 15, \$2.50; 30, \$4.50; 60, \$8.00; 15 \$1.00; 60, \$3.25; 100, \$5.00. Mrs. D. M. Gillespie, Clay Center, Kan.

MISCELLANEOUS CLASSIFIED ADS.

LIVERY STOCK FOR SALE—WOULD trade for land. Earl Wilson, Palmer, Kan.

E. R. BOYNTON HAY CO., 1305 WEST Eleventh street, Kansas City, Mo., receivers and shippers of hay. We solicit your business.

20 CAR LOAD HEDGE POSTS FOR sale. All sizes and all prices. Correspondence solicited. W. H. Bitts, Melvern, Kan.

DRY BATTERIES RENEWED BY ANY one for 10 to 25c per doz. Formula \$1. Will send it this week for 35c. Fairmount Telephone Co., Leightons Corners, N. H.

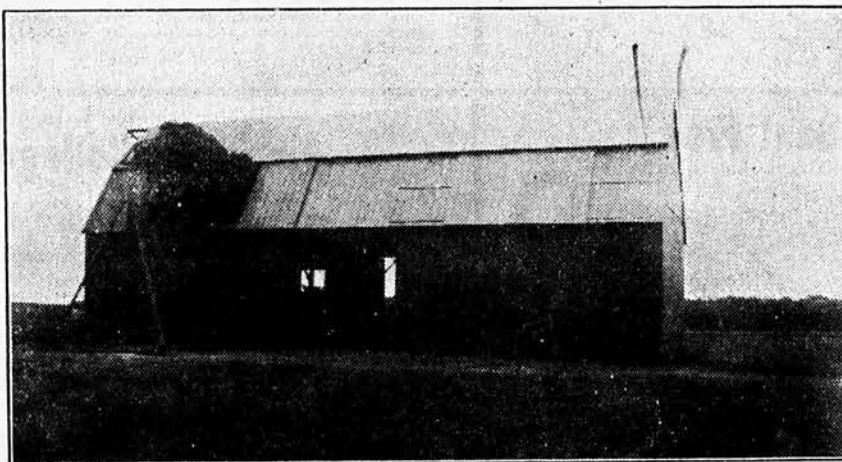
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TOBACCO HABIT CURED OR NO COST. Safe, pleasant, permanent. Physicians astounded. Great discovery. Send your address at once. King-Ni-Ko 9, Wichita, Kan.

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AGENTS AND SOLICITORS FOR OUR combination accidental death, health and accident policy, covering all diseases and every form of accident; it insures both men and women and is sold on monthly payments; liberal commission to agents. For particulars, write The North American Accident Insurance Co., 306 Scarritt Arcade, Kansas City, Mo.

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S. C. BUFF ORPINGTON EGGS \$1.00 PER 15; 50, \$2.50. Cocks, cockerels, \$1.00. Mrs. J. A. Young, Wakefield, Kansas.

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BLACK LANGSHANS—EGGS FROM my pens of high scoring birds, \$2 per 15; \$3 per 30. Farm range \$1 per 15, \$1.50 per 30. \$5 per hundred. Mrs. D. A. Swank, Blue Mound, Kan.

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EGGS! EGGS!—FROM 15 VARIETIES OF thoroughbred poultry, geese, turkeys, Pekin, Rouen, Muscovy and Indian Runner ducks, pearl and white guineas, bantams, dogs, all kinds of fancy pigeons. Hens' eggs 15 for \$1.00. Write for free circular. D. L. Bruen, Platte Center, Neb.

FOR SALE—BABY CHICKS (DIFFER-ent varieties any quantity, any season, full count and live delivery guaranteed. Custom hatching and brooding. Eggs for hatching. Our egg contract circular and catalog for the asking. P. C. Fish Poultry Yard and Hatchery, 4334 Bellevue, Both Phones Kansas City, Mo.

WADDELL'S GOLDEN ROD BUFF PLY-mouth Rocks. The oldest flock in the state of Kansas. Have won 405 premiums in leading shows to date, in competition with birds from all over the United States. And won at the Kansas State Show, Jan. 10 to 15th, 1910, 1st, 2nd, 3rd, 4th and 5th hen; 1st and 3rd pullet; 2nd, 4th and 5th cock; 1st and 4th pen. Score of first pen, 186.125. Score of 4th pen, 184.675. Won special for the best display in American class, special for largest number of Buff Rocks, scoring over 90 points. Won the American Buff Rock Club cup, club ribbon for best shaped female, also had the cockerel with the best head points. Showed 30 birds 27 of which scored from 90 to 93½. Stock and eggs for sale. Good birds for sale at reasonable prices. A. J. Waddell, 210 New York Ave., Wichita, Kan.

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FOR SALE—DOUBLE STANDARD Polled Durham bulls of different ages. C. M. Albright, Overbrook, Kan.

FOR SALE—TWO ANGUS BULLS, COM-ing twos. Sired by Black Conqueror of Kansas Agricultural College. Chas. A. Streeter & Son, Wakefield, Kan.

SEE US BEFORE PLACING YOUR stock catalog printing. Western Printing Co., Ptg. Dept. Kansas Farmer, Topeka, Kan.

ALYSDALE SHORTHORNS—HERD headed by the magnificent Scotch bull Archer Victor No. 292012 for sale now at bargain prices, the following (red) bulls: Chief Burnett No. 311343, dropped December 16, 1908; Santa Claus No. 311849, dropped December 25, 1908. Also some fine young females, all richly bred. Call or write Chas. W. Merriam, Columbian Bldg., Topeka, Kan.

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SWEETSTAKES CORN—THREE SWEET-staked and twenty-three firsts. From Co. Fair to Nat. Corn Exposition, first wherever shown. Immense yield. J. M. Gilman & Sons, Leavenworth, Kan.

BUTTERMAKERS, WANT YOUR INI-tials on your product? Stamp them in mold. Sent 50 cent money order for complete directions for making and using outfit. You can make easy pin money stamping prints. W. A. Dakley, Beloit, Kan.

100 PALMETTO ASPARAGUS PLANTS delivered prepaid \$1.00. Grown by successful asparagus growers who know the market demands and profits of the crop. Instructive circular with quantity prices, tell all. Write today. R. W. Weaver Co., R. 9, Wichita, Kan.

PLANT CATALPA SEEDLINGS AND grow your own posts. We have a fine lot of pure Speciosa and will sell them cheap. We also have an assortment of fruit trees, etc. Try us on evergreens; we dig them with balls of dirt and sew sacking around the dirt. Almost sure to grow. Lost Springs Nursery, Lost Springs, Kan.

ALFALFA SEED FOR SALE—250 BU. home grown seed without irrigation, at Kendall, Kan. Main line Santa Fe R. R. Kearney Co. Delivered in seamless bags at \$10.00 per bu., f. o. b. cars. Bags 25c extra. Advance money order to John Shinkle, foreman, for amount wanted. Reference, Holland Banking Co., Springfield, Mo.; Kearney Co. Bank, Lakin, Kan.; M. R. Beatty, P. M. and merchant, Kendall, Kan. H. H. Snalley, Springfield, Mo.

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Farm Fertilizers.

(Continued from page 1.)

When stock is kept tied in stalls it is of course necessary to clean the apartments daily, and either haul the manure to the field immediately or dump it outside the barn. If the latter plan is followed, considerable loss results at best; but this may be greatly reduced if the manure is piled where leaching will be least effective and where loose stock will tramp it thoroughly. In general, manure should be applied immediately or soon after production, and hauling should be done when the fields are least injured by driving over them.

Earlier, it was quite customary to dump the manure in either large or small piles upon the field and scatter it later, but this is little practiced now. The two principle objections that might be offered to this method that manure in loose piles ferments and thus becomes less valuable, and that the spots where the piles are located are enriched above the surrounding area, causing the crop to grow irregularly. Spreading the manure when it is hauled is now the common practice, and this is done either by hand or with a manure spreader. Conditions are seldom such that it is possible to do as good work by hand as with a spreader, for the manure when spread by hand is left in larger bunches, which are especially injurious in a dry climate because they not only break capillary attraction of soil moisture, but also hold the soil up so that it dries out more. And secondly, it is impossible or at least impracticable to top dress grass lands without using a spreader because the essential features in such a case are to spread thinly and evenly, two points for which the spreader is admirably adapted.

The place in the rotation at which manure may most profitably be used may seem to be a minor point, yet it is less profitable to apply a coat immediately after breaking up a grass, clover or alfalfa sod, when the soil is full of humus, and in the case of clover and alfalfa or nitrogen also, than after a few intertilled crops, such as corn, have been grown upon the field. In this country corn is also the best crop to follow a heavy application of manure, since it is not easily injured by an over supply, as are the small grains. The principle objection to manuring immediately before seeding to grass or clover is the difficulty the manure causes in preparing a good seed bed and consequently in getting a good stand. It is much better to wait until after the grass is started and then apply light top dressings. This is thought by many to be the best place in the entire rotation, though it has the objection of adding no humus to the soil. This, however, may not be a serious objection since the grass roots themselves fill the soil with humus.

The value of manure in the soil is also partly determined by the nature of the soil. In a heavy clay soil the effect may be hardly noticeable the first year on account of the slow rate of fermentation and decomposition, while in light, sandy soils where rainfall is sufficient, the plant food becomes available readily and leaching usually plays an important part when applied to such soils. When it is spread unevenly and is not mixed with the surface soil by disking, it causes arid soils to be dryer.

In as much as plants can not use more than a certain amount of food, the present fertility of the soil appreciably effects the value of an application of manure. A rich soil which, without fertilizing, is capable of producing large crops, will be only slightly if at all benefited by the application of manure, while a soil deficient in humus and food hungry will make full use of all fertility added and will be capable of producing much greater crops than previously.

In order to receive the greatest benefit from the annual output of manure on a farm, it is important that the rate of application be such as will suit conditions, for the ordinary conditions of Kansas farms is: "Lessen the application and increase the number." This may easily be illustrated. Suppose the field area of a farm were 100 acres and the annual output of manure 200 tons, better results would be obtained by spreading the 200 tons on 25 acres each year for four years than by covering only ten acres each year and going over the farm once in ten years.

One of the greatest factors in favor

of barnyard manure as a fertilizer, is its lasting effect which is known to extend over a number of years, and on account of this it is impossible to calculate its value. The results of an experiment given by Vivian show this very plainly. Barley was grown upon two adjacent fields for twenty years without the application of any fertilizer. Only one of the fields was manured for twenty years next preceding the time the experiment was begun. The results are given in twenty-five periods in the following table:

First five years, previously unmanured, 13 bushels; previously manured for 20 years, 39 bushels.
Second five years, previously unmanured, 14 bushels; previously manured for 20 years, 29 bushels.
Third five years, previously unmanured, 14 bushels; previously manured for 20 years, 30 bushels.
Fourth five years, previously unmanured, 12 bushels; previously manured for 20 years, 23 bushels.

Average for 20 years, previously unmanured, 23.25 bushels; previously manured for 20 years, 30.25 bushels. This shows a general decrease in the production of the field which had previously been manured, while the production of the other field was almost constant. Yet, for the whole period of twenty years the manured field showed a yield of over twice that of the unmanured and at no time did the yield fall as low as the best yield of the unmanured field.

It has been shown by experimenters that with reasonable observation of a few of the most important principles, as much as 80 per cent of the fertilizing value of the crop may be returned to the soil in the form of manure, and much of this is in a better condition to benefit the soil and crops than before passing through the animal. It is therefore evident that by putting forth every effort to receive the greatest benefit from barnyard manure, and in addition growing leguminous crops and practicing good tillage, the fertility of the soil may be prolonged indefinitely and the profit from its cultivation be greatly and constantly increased. — Hilmer H. Laude, Rose, Kan.

Millet as a Catch Crop.

When a catch crop becomes necessary one of the first that is thought of is millet. This crop does not have a high feeding value as it is apparently too rich in oil. At the same time it is very useful to follow another crop or as a catch crop to replace one that has been destroyed. It matures quickly and in combination with other feeds, has an undoubted value. There are many varieties and in general these varieties constitute one of the most important groups of food plants, as they are the staple diet of about one-third of the world's human population. In the old world they are grown as cereals but in America almost entirely as forage. The true millet is sometimes called the broom corn millet. Another variety is the fox-tail millet, and still others are the barnyard or Japanese, the African, the Chinese, the Indian and Pearl or Cat-tail millet. The Fox-tail variety includes the German and Hungarian millets which are most commonly grown in this state. For several years past there seems to have been a considerable increase in interest in millet as a pasture crop in western Kansas. When sown for such a purpose about twice the usual amount of seed should be used. As it is a heavy feeder and draws upon the nitrogen element of the soil it is said to be hard on land. Those soils which are best adapted for its growth are rich in humus. Swamp lands or slough lands and muck soils which can be drained so as not to be too wet are best for this crop, though it may be successfully grown on clay soils which do not get too dry. Clay soils are not good for millet because they lack in humus. The seed must not be sown before the ground has become thoroughly warmed as they will either fail to germinate or will remain in the ground so long that the weeds get too great a start. If the land is rather thin more seed should be sown. It can be either broadcasted or drilled, but in rich land a smaller quantity of seed may be used as the plants will till better.

Rambler Breaks Sales Record.

The world's record for rapid sales of automobiles to individual buyers was established at the Ninth Annual Chicago Show when Thomas B. Jeffery & Company, makers of the Rambler, sold one hundred and seventy-five separate cars in seven days, making a total of three hundred and



DE LAVAL SEPARATORS

NOT THE "Mail Order" Kind

The World's Standard DE LAVAL Cream Separators are not sold in the "mail order" way, and therefore not advertised with the big newspaper space and big "word claims" used to sell second and third grade separators in that manner.

Part of the money spent in the sale of inferior separators in the "mail order" way is put into commissions to local agents in the case of DE LAVAL machines, and the buyer of the separator for use gets the benefit of it instead of the newspaper, through the setting up of the machine and the instruction of the buyer in its proper use by the agent, as well as in its occasional looking over and the prompt supplying of any needed parts for it in the years to come.

That's the difference in the method of sale between the DE LAVAL and most other makes of cream separators, which means almost as much to the buyer-for-use as the superior efficiency and durability of DE LAVAL machines.

The difference of merit and method of sale save the cost of the DE LAVAL over other separators in a comparatively short time and make a DE LAVAL machine last an average twenty years while other separators last on an average from six months to five years, according to their grade.

If you don't know the nearest DE LAVAL agent to you send for a catalogue and his name and address.

THE DE LAVAL SEPARATOR CO.

105-107 BROADWAY
NEW YORK

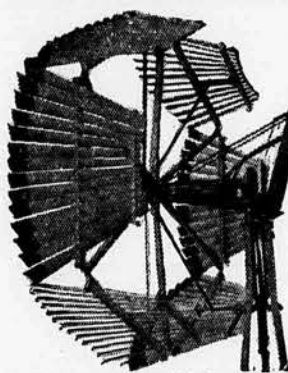
42 E. MADISON STREET
CHICAGO

DRUM & SACRAMENTO STS.
SAN FRANCISCO

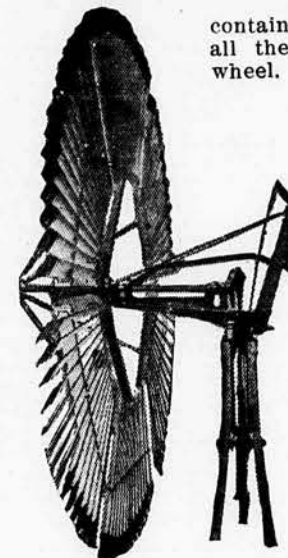
178-177 WILLIAM STREET
MONTREAL

14 & 16 PRINCE STREET
WINNIPEG

1018 WESTERN AVENUE
SEATTLE



This is the way it works the cyclone



This is the way it works the pump.

THIS IS THE CYCLONE-PROOF WOOD WHEEL WINDMILL

SELF REGULATING IN ALL WINDS

It makes no difference how hard the wind blows. This mill will not go any faster in a cyclone than it does in an ordinary wind. There is nothing about it to break or get out of order. It requires no brake and will stand perfectly still when out of gear. There are no gear wheels; no rocker arms; no springs; no vane; it is positively the most simple in construction and contains less parts than any other windmill; yet it will do all the work all the time and cost no more than a steel wheel.

OIL ONCE A YEAR

If you are going to buy a windmill, write to us for book telling all about this wonderful wind engine and we will also send you FREE full instructions how to build at home, without any expense, a PERFECT WINDMILL REGULATOR, just what every farmer and stockman needs. A POSTAGE STAMP WILL MAKE YOU FIVE DOLLARS. THIS MILL WILL OUTLAST TWO OR THREE STEEL ONES.

Althouse-Wheeler Company,
WAUPUN, WIS.

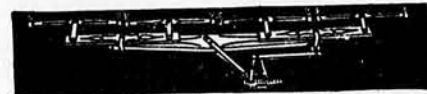
fifty thousand dollars worth of automobiles. Charles T. Jeffery, head of the Rambler company, under whose direction this enormous sales record was made, says that the greatest sale of cars during the next five years will be made over that area stretching between the copper country and the southern rim of the Texas Panhandle. Hundreds of farmers, stockmen and fruit growers bought cars at this show. The demand was not for the low priced car, as many had anticipated, but the buyers seemed to desire power, comfort and quality more than cheapness. The average price of the cars attaining the largest sales was two thousand dollars. Last year the Rambler broke all previous show sales records when 160 of these cars were sold at an average price of \$1,800 each.

The United State Cream Separator Not Sold. A statement to the effect that the Vermont Farm Machine Co., Brattleboro, Vermont, had sold their U. S. Cream Separator plant to the International Harvester Co. and that Mrs. Hettie Green had sold her stock in this company had been given a wide publicity in the newspapers. Now comes the Vermont Farm Machine Co. with a vigorous denial that they have sold out to anybody or that Hettie Green ever had any stock in their company to sell. As the U. S. Cream separator has proved its worth in

the hands of thousands of people who use it daily and as its business seems to be even more prosperous than heretofore, the rumors of a sale of the company and a sale of stock in the company would seem to have emanated from a rival manufacturer. At any rate, this company has not sold out and is still doing the biggest kind of a business at the old stand.

Helder Eveners a Great Invention.

They meet your requirements better than anything on the market. Made for 2, 3, 4, 5 or 6 horses. Their 4-horse plow eveners is a winner, works 4 horses abreast on gang, sulky or disk plow, one horse in furrow and 3 on land. Make devices to at-



tach eveners to all plows. They also manufacture 3-horse wagon eveners, wagon doubletrees, singletrees, neckyokes, etc., the largest eveners line made. Go to your dealers. If he can't supply you, don't accept any other. Write to the factory and they will tell you where and how to get them. Helder Mfg. Co., Dept. 13, Carroll, Ia.

The Meat Boycott.

There has been so much said about the meat boycott that is foreign to the cause, that I am constrained to say something about this silly movement of the laboring people of the cities. It appears from the reading of what is being said that many of the writers as well as the boycotters do not understand the situation.

The boycotters do not realize that they are playing into the hands of the meat trust, and are doing for them what they themselves have been trying to do for a number of years, and had almost accomplished their purpose when the boycotters came to their aid and said, if not in word at least in action, "You hold off, Mr. Packer, and we can do more to help your cause in thirty days than you have done in two decades." "We can put every local butcher out of business." "The man who dares to go to the producer or shipper and buy a hog or a steer and kill and cut it into retail bits without your stamp of approval on his meat ax has no right to run a business and we will close him out." And have they not about accomplished it?

In the years 1889, 1890 and 1891 I was assistant and then state lecturer of the Farmers and Laborers Union, a consolidation of the Alliance and Wheel, and was traveling and speaking all the time, and I suspect that in 100 speeches I warned the people against and advised them to prepare to meet the conditions that now confront us; that under the laws that govern our trade with foreign nations the home corporations were enabled to barricade themselves behind the extreme high protective laws and form combinations, trusts, and force the price of their products beyond the reach of the laboring classes. I could see at that time the meat packers at work, and I called special attention to the fact that after they got their organization perfected they would control the price of meat. Their plan of procedure was to force the local butcher out of business, that is he must sell meat at their price, or they would "freeze him out."

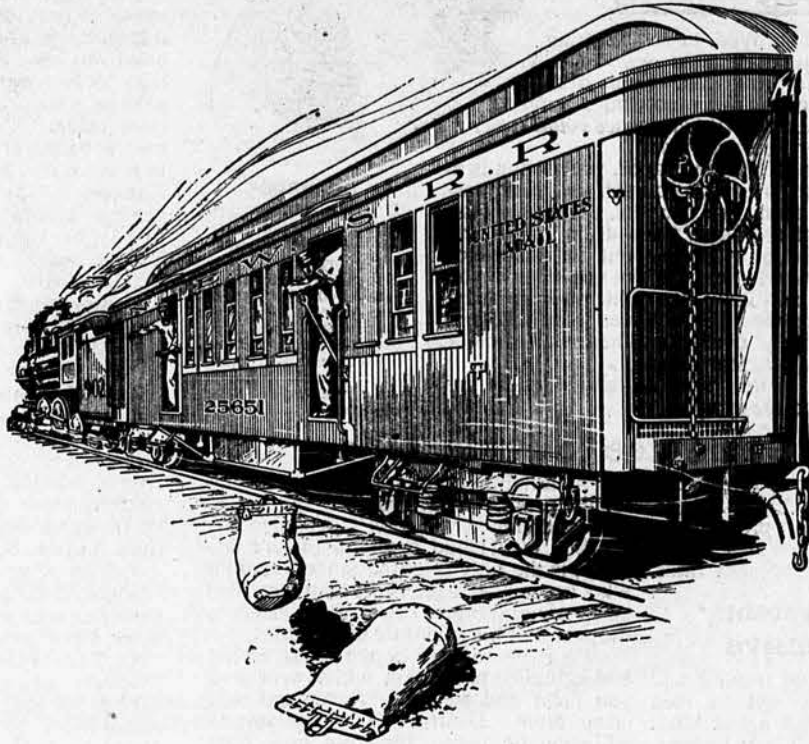
I have been told that where a local butcher was stubborn, and refused to accede to their terms, they put a shop up and under sold him until he had to close out. Strange to say, these same people who are in the foolish fight are the very ones who would hail with delight the cheaper meat man and patronize him until their old butcher would be compelled to quit. Then they found to their astonishment that they had about choked the life out of their old goose that was laying the, if not golden egg, it was the egg that furnished them meat at prices that their wages would justify. But after all there seemed to be a little life left in the old feathered friend, and they decided that they would finish her by one general big blow, and that blow would be a boycott.

If the leaders of the boycott were in the employ of the meat trust they could not work more to the advantage of the trusts. The boycott was aimed at the farmer, the producer. When the hog got to the highest point that it has reached for years, up went the price of mess pork and steak, and when the laborer complained to the man who was dealing out meat for the packers under the guise of a local butcher, that august gentleman politely told him that the farmer was the fellow who was doing it and this was accepted as the fact never stopping to investigate that when the farmer was selling pork on foot at 8 cents per pound, it meant a little less than 10 cents dressed, and if the consumer was paying 22 cents, there was somebody between the two that was getting about 12 cents for mighty little labor and outlay. The packer now has a smile on his face extending from ear to ear, and the farmer is not losing any sleep or taking it to heart, while the deluded boycotters' throat is clamoring for a little bit of grease to smooth the road to his stomach, and when nature can hold out no longer, and he is forced to eat meat again, which he must, he will find to his chagrin that he has been "cutting off his nose to spite his face" and he is the loser.

They had and still have a remedy in their own hands for the high price in meat, if they will only use it, and that is to establish their own butcher shops and killing pens. All of these laborers belong to their different unions therefore are organized. Let them build their killing pens and as many retail shops as are necessary to supply their wants, send their buyers

out to the producer, have the buyer ship direct to the killing pens, the dressed meats sent to the block and retailed over the country at a margin that will pay the running expenses of the system, and save this 12 cents that some middleman is getting.

This is not visionary but is a practical proposition, and will do more to break up the combination of packers than all the investigating that the Government has done or will do. When the consumers begin to put in their own plants for the distribution of their meats, the trusts will get busy and will ransack the ingenuity of man to devise plans to break in and destroy the usefulness of the system. They will set up a shop by the side of the union shop, and undersell the union man, and rather than fail will give away their meats and possibly do as I have been told Wiggins of ferryboat fame did at one time in St. Louis, give people money to cross the Mississippi with him until he drove his competitor out. They may be forced to hire people to eat their meats, to drive the union butchers out of business, and this state of affairs must be looked for and a pledge taken by every one interested to stand by the union man. If these "cotters" will do this they can have plenty of meat to eat and at reasonable prices, while the farmer can realize a small margin over the price of production and set a horde of middlemen to work making a living.—Geo. W. Williams, President Polk County Agricultural and Horticultural Fair, Humansville, Mo.

WALTHAM WATCHES

Do you want your watches delivered this way?

Every American knows that Waltham Watches are good watches.

A watch should always be bought from a responsible jeweler. Jewelers are educated in watch-making. They can see if a watch is in the same perfect condition as when it left the factory and can detect and remedy any little accidental defect it may have received in transportation, as well as regulate it to your personal habit and occupation.

Moreover, the Waltham Watch Company will guarantee every Waltham Watch sold by a recognized watchmaker or jeweler.

Never buy a watch, Waltham or any other, except from a jeweler.

Mail order houses are not, in our opinion, properly equipped to handle good watches.

The Waltham Watch Company will not guarantee watches bought from such concerns.

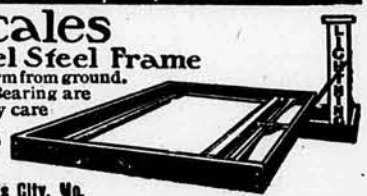
WALTHAM WATCH COMPANY,

WALTHAM, MASS.

Send for the "Perfected American Watch," our book about watches.

Lightning Pitless Scales**New Pattern. Solid Channel Steel Frame**

Channels are seven inches which is the height of platform from ground. Levers are octagon in shape giving greater strength. Bearing are Toolsteel. This Scale will last a life time with ordinary care. Equipped with compound Beam Free. Furnished absolutely complete except platform planks. Guaranteed accurate and tested to more than its capacity. Write for our prices and description before buying. KANSAS CITY HAY PRESS CO., 129 Mill St. Kansas City, Mo.

**10-CENTS A POUND FOR HOGS**

Don't sell your hogs for 6 to 8 cents and buy poorly smoked meat from Meat Trust at 20 to 30 cents. Butcher your hogs, salt and smoke the meat yourself, sell the hams and bacon not needed for your use and make 3 or 4 times what you do now, besides having better meat. The extra profit will pay for what you use. No smokehouse necessary.

USE WRIGHT'S CONDENSED SMOKE

Gives the rich aroma and delicate flavor of hickory smoke to the meat, therefore secures highest prices. Keeps the meat sound and sweet indefinitely, and free from insects. Applied with a brush; twice over is sufficient; entirely absorbed; penetrates meat thoroughly. A 75-cent bottle smokes a barrel of meat. Guaranteed and sold under Pure Food Law, Serial No. 541. Beware of imitations; secure the original and genuine. Write for illustrated free book, "The New Way."

Wright's Smoke guaranteed and backed by our \$250,000 capital. Money back if you want it. E. H. WRIGHT CO., Ltd., 618 Broadway, KANSAS CITY, MO.

FREE SAMPLE BOTTLE
Ask your druggist for free sample bottle. If he cannot supply you, send 10 cents and names of five who smoke meat. We will send you, prepaid, sample bottle sufficient to smoke 10 lbs. of meat.

We will give \$100.00 for the 9 best ears of seed corn

sent us before Dec. 1st, 1910 by users of

THE APPLETON MANURE SPREADER

bought in 1910. Write today for full particulars, and ask for our FREE SPREADER BOOK, which proves that the Appleton Manure Spreader is as strong as steel and oak can make it; so simple that any boy who can drive a team can run it, as well as any man; and so effective in operation that it never bunches the manure, but pulverizes thoroughly and distributes evenly from the beginning to the end of the load.

APPLETON MFG. CO.

19 Fargo St.

Batavia, Ill., U. S. A.

Children Are Killed by Lightning

Lives lost, property destroyed, losses reaching millions are sustained—just because we do not use proper protection from fire losses. Some of these losses are partially made up by insurance, but insurance cannot prevent fires. Besides, what insurance could repay for the burning to death of your children?

American farmers, readers of this paper, prevention is in your own hands. You can safeguard yourself and your family, your barns and stock from fire dangers. Not only that, but you can save money at the same time—from one-fourth to one-half what you are now paying out for insurance premiums. That being so, what excuse can you offer if you fail to do it, and there should follow loss of life and property. Besides, such protection as we offer relieves your wife and children from the terror of fear every time there is a thunder storm. Perhaps you have that fear yourself.

Know this—three out of four fires in rural districts are caused by lightning. Read the proof.



THE PROOF

If you read but one paragraph of this advertisement, read this one:

Report of 111 fire insurance companies show 2960 fire losses in one year—2165 were caused by lightning—only 795 from all other causes combined. Think of it—3 to 1. That is what we would save you from.

We Can Guarantee to Protect You

from lightning. We have the proof, clearly demonstrating that D. & S. Lightning System will not only protect, but you can secure fire insurance at a saving of one-fourth to one-half present rates.

D. & S. System is Not Expensive

They are put up by our men trained and experienced in the work—not by men who are the lightning rod agent kind. Get a D. & S. System which lasts forever, costs you hardly any more than inferior

and split lightning rods. Write us to-day for the proof. All we ask is a fair, open, unbiased judgment. Don't prejudice us.

Prof. West Dodd, president of our company, is the only scientist since Franklin who has made a scientific and practical study of lightning. The D. & S. system is the result of his scientific discoveries.

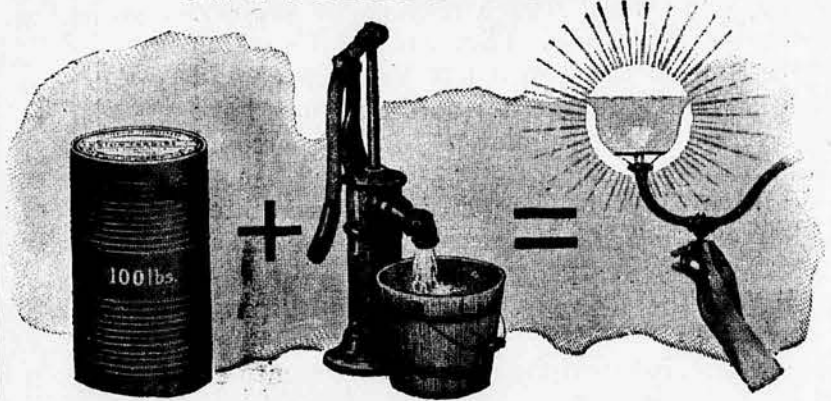
We have several books on lightning and lightning protection which will give you facts and figures. A request will bring them. Destructive spring storms will soon be here. Find out now how you can be safe from loss.

DODD & STRUTHERS,

423 Sixth Avenue,

Des Moines, Iowa.

A Problem Solved



Home Made Gas Light From Crushed Stone and Water

VOLUME for volume, this rural gas actually gives twelve times more light than the best city gas.

Like city gas, it is used in handsome brass or bronze chandeliers and fixtures of endless variety.

A simple twist of the wrist turns on a brilliant flood of light in any room in the house day or night.

It has already driven the oil lamp, with its grease, smoke and smell, out of more than 176,000 town and suburban homes.

Takes some member of every one of these 176,000 homes fifteen minutes once a month to make all the gas the household can use.

The magic is all in the wonderful gas-producing stone.

This stone is manufactured in huge electric furnaces, in a temperature of over 6,000 degrees Fahrenheit.

When ready to use it looks and feels like crushed granite and is then known as Union Carbide.

Union Carbide is packed at the factory in sheet steel cans in which it may be kept for years and is distributed through warehouses located all over the country.

In these packages it is safer to handle and store than common coal, as it will not burn and can't explode.

The gas which this wonderful stone yields is genuine Acetylene.

And Acetylene, carried in iron pipes to ornamental fixtures, burns with a soft, brilliant, pure white light.

On account of its color, it is the easiest of all lights on the eyes, and it is a boon to those afflicted with eye strain troubles.

It is not poisonous and one might sleep all night in a room with an open burner without harm. For these reasons it is used extensively as an illuminant in hospitals, factories, mines, lighthouses and government army posts.



To produce Acetylene it is only necessary to mix Union Carbide with plain water in a small tank-like machine that is usually set in one corner of the basement.

The formula is simple and the work can be handled by most any school boy.

Once a month he must fill the little machine with Union Carbide—the machine does the rest—it makes gas only when the lights are burning and stops making gas when they are turned off.

Anybody that can cut and fit pipes can install the generator, pipes and fixtures in two days without injuring walls or floors.

With such an installation you can make this glorious beautifying light in your own home for less money than same amount of light from kerosene would cost.

If you happen to live in the country, you can do as thousands of farmers have done—run the gas pipes to lights placed on your porches, in your horse and cow barn, or even in your barn yard, and have all of them fixed up to light with the pull of a chain attached to the fixture.

Such a lighting scheme is not only a boon to the housewife and children, but it's a mighty handy convenience for the man of the house when he must do his chores after dark, or when he is called out in the night to attend a sick animal.

All these lights will be permanently fastened to ceilings, walls or posts, and enclosed in tight globes.

For this reason they are many times safer than lamps or lanterns that are so often tipped over with disastrous results.

Write us today how many rooms you have. Then we can

mail our booklets and tell you how little it will cost to make this light yourself. Just address UNION CARBIDE SALES CO., Dept. B—16 Adams St., Chicago, Ill.

The GRANGE

A State Grange Scholarship Contest.

The Ohio State Grange, at its last session, provided for a scholarship in Agriculture and one in domestic science in the State Agricultural College to be awarded to members of the grange who should compete under certain rules. These scholarships only had a value of \$65 each but the idea is a good one and might well apply in Kansas. Why not make a Kansas grange scholarship of sufficient value to pay all the expenses of the winner during the short course for one year or two years.

Following are the rules adopted for the Ohio contest:

1. All contestants must be members of the Grange in good standing.
2. Each contestant shall prepare an oration or essay on some subject relating to agriculture, if a young man (Class A); or to the household, if a young woman (Class B); and they shall read or deliver the same before their subordinate Granges not later than August 1.
3. The winners in each subordinate Grange shall contest at their Pomona Grange, which contest shall not be later than September 1.
4. The winners from all Pomona contests shall forward their manuscripts to the state lecturer, who will have them judged by competent and disinterested judges.
5. In counties having no Pomona Granges the winners from each subordinate Grange shall forward their manuscripts directly to the state lecturer. In subordinate and Pomona Granges having but one contestant that one shall have the same standing as if there had been others.
6. The lecturers of the subordinate and Pomona Granges shall have entire charge of the contests in their respective Granges, and shall forward to the state lecturer the names of the successful contestants and the number of contestants immediately after the contests.
7. Both scholarships can not be awarded to the same Grange or county.
8. All contestants shall send with their manuscripts a statement under seal of the Order that they have obeyed all rules of the contest. All manuscripts must be neatly written on one side of good paper, allowing one inch margin on each side.
9. The winner can not use the scholarship, it shall go to the person having the next highest grade.
10. Those in Classes A and B shall not compete against each other in any contest. All contests can be public if desired.

Suggested Topics.

1. The relative importance of quantity and quality in farm products.
2. Are the legislators at the present time underpaid or overpaid?
3. Is it wise to compel towns to maintain public kindergartens?
4. How shall we make more money in our business?
5. The average American hen—does she pay her board?
6. In the long run does a farmer make or lose by opening his home to summer boarders?
7. Some of the ways in which the Grange affects its members—socially, financially; morally.
8. Life insurance and fire insurance

—their relative importance.

9. Resolved, That being a good Grange member makes a more loyal church member.—The Grange.

Some Program Gems.

The new 1910 programs are fast coming in and some very attractive features are laid out for the Lecture Hour in many Granges for the coming year. Some of the "gems" or these programs are briefly summarized below, in the hope that they may possibly help other lecturers in laying out the year's work.

One promising evening is assured under this suggestive topic: "Are American Mothers Becoming Less 'Chums' with Their Children Than Formerly, and if So What Will Be the Result?" A certain number of speakers are assigned, but it is safe to say that discussion will become very general before it is finished, says the National Grange.

For an evening on corn, such as has often been recommended in this department, one lecturer ranges up the topics this way: "How I Select My Seed Corn; Cultivation of the Corn Crop; Corn as Fodder or Field Crop; Corn's Contribution to the Table." To supplement very appropriately this or any other corn evening we give as today's selected reading the corn song of Whittier, which fits in particularly well. The corn menu once given on this page will make a fine feast for such an evening if one is desired.

"Can a Young Man Make a Living and Rear a Family on a Farm if It Is Given to Him?" "If He Has to Run in Debt for It?" are two companion topics that are sure to provide a lively evening in one Grange where they will be discussed this year.

A good agricultural topic which an Ohio lecturer has worked up: "What Does the Farmer Need Most, More Labor, Less Land or More Education?"

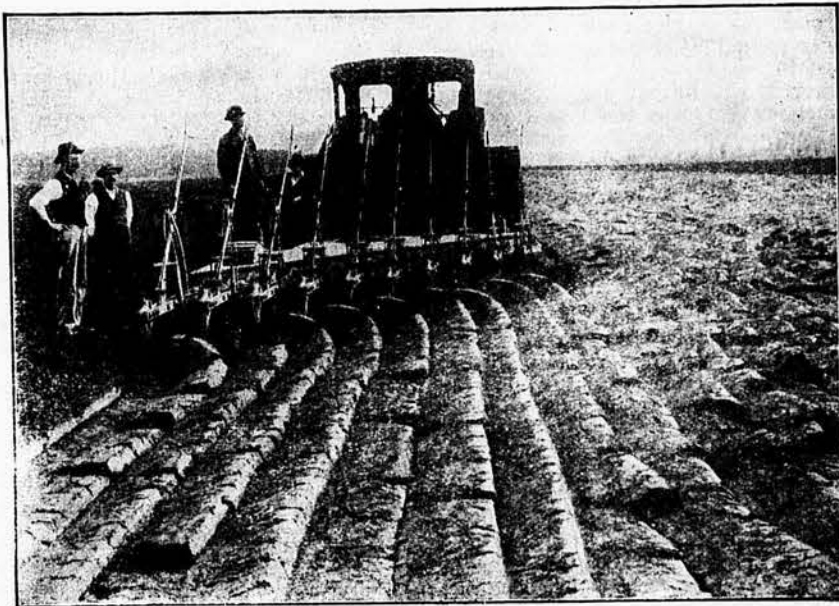
Here is the outline of what may be an intensely practical evening in a farming community whose people are up-to-date and determined to keep so: "Name the Implements a Farmer Should Have on a 160-Acre Farm and Give a Fair Estimate of the Cost of Each." Here is a case where the more experienced farmers can give a lot of valuable information for those newer at the business; and that all will greatly profit by such an evening there is absolutely no question.

Here is something for the farmers of the present generation to think about and the Grange is a proper place to do the thinking. Discussion: "Our Forefathers Cleared Uplands, Laid Walls and Smoothed Out the Rough Pastures: What Shall We Do? Irrigation, Swales, Swamps and Marshes."

Competitive nights continue to hold their place on numerous programs in many states and as a whole seem to be increasing. Pleasant rivalry never fails to arouse interest and in the Grange there should certainly never be any except the pleasant kind.

The Land Grant Colleges and Experiment Stations.

The land grant colleges established by the national government under the act of congress of 1862 have been engaged during almost half a century in working out the problems connected with imparting agricultural knowledge of advanced character to



The Avery Traction Plow at Work in a Kansas Field. Courtesy of the Avery Co.



The Range with a Reputation



These Prosperous Times Warrant The Best

of everything for the farmer—and the farmer's wife. You would not for a minute think of reverting to your grandfather's method of reaping grain with the scythe and cradle. Why then should your good wife suffer the annoyances and inconveniences of an old style cook stove, or cheap range. The best binder, mower, plow, or cultivator is none too good for your use—the best Range that money can buy is none too good for your WIFE. The Great Majestic Range is indeed worthy of your most careful consideration. It is a Range with a reputation built on HONOR of the best materials—and while the first cost of a Great Majestic may be more than some others, it out-wears three ordinary ranges, and its Fuel Saving, Baking and Water Heating qualities make it much cheaper in the end. Here are the reasons: The Majestic range is made of Malleable Iron, and Charcoal Iron. Charcoal Iron won't rust—Malleable Iron can't break. They are put together with Rivets (not bolts and stove putty) making them absolutely Air Tight like an engine boiler. No heat escapes or cold air gets into the oven, thus needing only half the fuel used in other ranges. Heat, causing expansion and contraction is what loosens the stove putty, opens the joints and cracks the cast parts of cheap ranges. All joints in Majestic Ranges are riveted, (no stove putty used) are airtight, and stay that way. The Majestic isn't lined with asbestos paper covered with steel, but is lined with guaranteed pure asbestos board.

The Great and Grand MAJESTIC Malleable and Charcoal Iron RANGE

one quarter inch thick, covered with an iron grate, put there to stay—you can see it. The reservoir is all copper, heated like a tea kettle through copper pocket (stamped from one piece of copper) setting against left hand lining of fire box. It boils 16 gallons of water, and, by turning lever, the frame and reservoir moves away from fire. This feature is patented and is used only on the Majestic. Remember these three important features: The material the Majestic is made of—the way it is put together—the reservoir—then glance at a few of the other features possessed by the Majestic that follow:

All doors drop down and form perfect and rigid shelves. Malleable oven racks slide out, automatically holding anything they contain. Open end ash pan prevents shoveling ashes out of ash pit. Ventilated ash pit prevents floor from burning. Ash cup catches ashes that would otherwise fall on the floor.

No springs anywhere to weaken or get out of fix. It's the best range at any price, and should be in YOUR kitchen. It is for sale by the best dealers in nearly every county in 40 states. If you don't know who sells them in your vicinity, write us and we will tell you, and send you our booklet "The Story of Majestic Glory." Every farmer's wife who contemplates buying a new range should first read this booklet.

Majestic Manufacturing Company,
Dept. 151 St. Louis, Mo.



It should be in your Kitchen



young men and women who have been assembled in their class rooms. The agricultural experiment stations, since their organization in 1887, have been engaged in securing reliable and helpful information suitable for these colleges to teach, and adapted also for use by the practical everyday farmer. Not long ago the agricultural colleges complained that their work was not appreciated. Now they are embarrassed by the large number of students that come to them, and the stations are in trouble, not with respect to the discovering of new truth, but to know how to secure the incorporation of the truths that have been already discovered into the general practice of the people. This situation has made two things very clear. The first is that the colleges can never hope to educate in their class rooms the great mass of farming people who are in need of agricultural instruction. The second is that the mere publication of the results of researches by the experiment stations is not sufficient to secure the adaption of their discoveries into general practice on the farms. Of the great body of farmers in the United States comparatively few get the bulletins of the stations and National Department of Agriculture, and a still fewer number of those who do get them read them and adopt their suggestions.

The organization that you represent can greatly aid in securing this additional support to the agricultural educational institutions of the country. Without this support the progress of extension education must be slow and the day of increased production by farming people of the United States be indefinitely postponed.

Foreign countries have long realized the value of extension work, and their progress in agriculture, so far as I am able to discover, dates in every instance from the day that the expert advisor, the itinerant teacher, the movable school and the demon-

stration field were put in operation by the state.

It is for the people of the United States to say whether this great movement for rural betterment shall now be supported, or whether the agricultural knowledge that we have shall continue to lie unutilized, locked up in desks, packed on shelves, or hidden away in masses of bulletins and books, or whether that which is of value shall be sorted out and taken by living teachers down to the men and women in charge of our farms and country homes, to be utilized, first of all, in promoting the wealth and comfort of rural people and then in furnishing food and clothing for the great multitudes who occupy our towns and cities and who are dependent upon agricultural people for their daily bread.

A. P. Reardon, lecturer of the Kansas State Grange, reports a very busy trip of eleven days in which he was organizing Granges in Jackson and Pottawatomie counties. He states as his experience that where the Grange is best understood there is the least trouble in organizing work. He has adopted the plan of organizing in blocks, thus having subordinate Granges placed at about six mile intervals. He reports that the farmers are appreciating the importance of the intellectual, social, educational and financial features of the Grange, and through this appreciation are learning the necessity of organization. The work is very prosperous in Kansas.

Grange organizers are having unusual success in Iowa, Kansas, Missouri and other central western states. Some report a charter list of more than 150.



One of the Most Profitable of All Farm Machines. Courtesy of Wm. Galloway, Waterloo, Iowa.

DON'T JUDGE A MANURE SPREADER BY LOOKS

BECAUSE different makes of spreaders look alike—don't think they are alike. There's just as much, or more, difference between two spreaders of different makes that look alike as there is between automobiles of different makes that also look alike.

It's the way the spreader is built that counts. The way the power is generated, the materials, the design and moving of the apron—the way the power is applied—such things are what you must be careful about in buying a spreader. The best thing is to be sure of the makers—that they are absolutely experienced and reliable.

The market has become flooded with spreaders of slipshod quality—slapped together in a hurry—since the demand has grown so large, owing to the general recognition of the big money-making and time and labor-saving qualities of good manure spreaders.

The actual value in actual use of

I H C Spreaders

Cloverleaf Corn King Kemp 20th Century

has been proved by hundreds of satisfied farmers. Years of experience and study and practical testing go to make our 1910 patterns the very best to be had anywhere. You'll find strength where it ought to be. The construction simple, yet sturdy, with the right power in the right place. The draft is light—there's little friction—the axles and roller bearings are sand, dust, mud and water-proof.

I H C spreaders are made in all sizes, from 30 to 70 bushel capacity, and there is a style for every section and condition. Choose to suit your special requirements from the only complete line. Large, heavy, rapid working spreaders for big operations—spreaders for orchards, vineyards—in fact for every purpose.

See our local agent now for details; or, if you prefer, write us for catalogue and further particulars.



Clover Leaf Manure Spreader in Actual Use. Covers all the Ground—All Plant Food Washed into Soil by First Shower.
INTERNATIONAL HARVESTER COMPANY OF AMERICA CHICAGO U S A
(Incorporated)



Anti-Friction 4-Burr Mills Double the Capacity of Geared Mills.

Two-horse mill has 24 ft. grinding burrs (Two set) all grinding at once, and grinds from 25 to 50 bus. per hour. Four-horse mill grinds from 60 to 80 bu. per hour—30,000 BU. WITH ONE SET OF BURRS I have ground with one set of burrs more than 30,000 bushels of corn with my Mogul No. 1 mill and the burrs are still in good condition—F. F. Craig, Mt. Carroll, Ill.

Two complete mills in one, has double the capacity and double the durability. ABSOLUTELY NO FRICTION OF GEARING. Will earn cost price in three days. The largest ears of corn to these mills are like popcorn to other mills. We manufacture the most durable and fastest grinding line of mills sold, including our FAMOUS IOWA NO. 2 for \$12.50. Send for our free Catalog.

Reeve Grinder & Furnace Works, 118 8th St., Waterloo, Iowa.





\$5,000 Wiped Out In a Flash

This barn contained \$5,000 worth of stock and grain, representing years of hard work. Lightning wiped it all out in a flash. Why? Because the owner either neglected to rod the building with a good, pure copper conductor, or purchased a rod which was improperly put on.

Had he bought a National Pure Soft Copper Cable, he would have had absolute protection, guaranteed in black and white. Not one of the many thousand buildings rodded with National Pure Soft Copper Cable has ever been lost by lightning, or even set a-fire.

We use only pure soft copper, because that is the best conductor known—but not the cheapest. Our new conductor

National Flat Cable

(Patent Pending)

Has greatest conducting capacity, does away with possibility of side flashes or induced currents—no joints to part or resist conduction.

We make both round and flat conductors, using pure soft copper in both. Our guarantee, given in writing, is absolutely binding, and our references assure you of our reliability. Ask your banker to look up our standing.

Our Men Are Experts

Proper installation is as important as the conductor itself. Seemingly trivial matters, like failure to connect up a nearby pipe, pump or telephone, will often result in extensive damage.

Every dealer who handles National Cable is an expert, thoroughly schooled by us, and not a foot of National Cable is put up by a man

not fully qualified to install it properly. Hence, we avoid the pitfalls which bring disaster, where untrained men do the work.

Our Telephone Lightning Arrester will not short-circuit by water leading in. Patent is applied for on this important improvement. Give us particulars and we will estimate the cost of rodding your property and send you a book worth having, "The Laws of Lightning." Fill out the coupon, get the book and estimate FREE and without obligation.

Note—We need a reliable representative in a few open territories.

National
Cable &
Mfg. Co.
53
Cable Street
Niles, Mich.

Without obligation
to me kindly send
the "Laws of Light-
ning," and tell me
what it would cost to
rod my buildings.
(Give dimensions of
all buildings.)

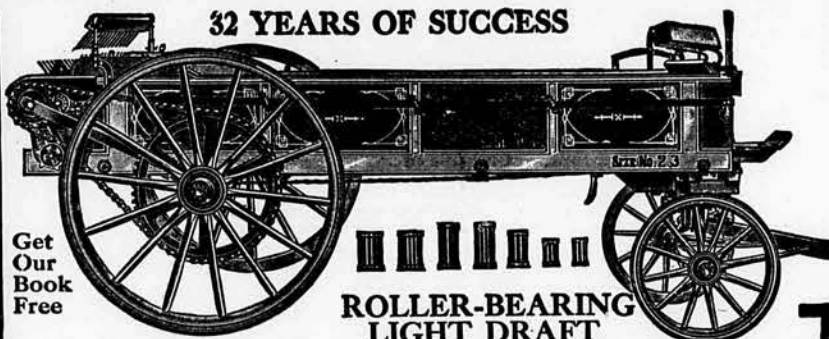
National Cable & Mfg. Co.

53 Cable St. NILES, MICHIGAN

Look for the Little National Tag on the cable you buy.

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

32 YEARS OF SUCCESS



Get
Our
Book
Free

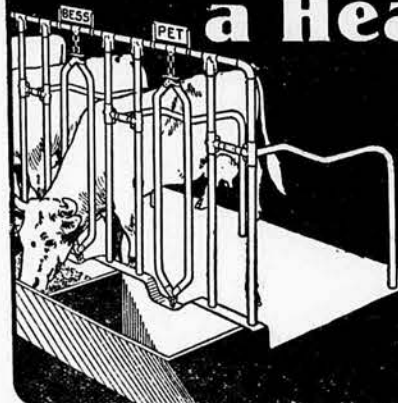
ROLLER-BEARING
LIGHT DRAFT

SUCCESS SPREADER

The only spreader with a 32-year record of good work. Simplicity, Durability and Light Draft always foremost. Direct Chain Drive. No Cog Gears. The choice of men who investigate thoroughly. Wood or metal wheels. A generation of experience back of every Success. The leader from the first. Exclusive features all patented. Catalog of facts Free. Write us promptly.

Kemp & Burpee Mfg. Co. SYRACUSE N. Y.

Does the Cows a Heap of Good



Cow comfort and cow sanitation result in more cow profits, and that alone should induce any farmer or dairyman to seek these conditions. Loudon Sanitary Steel Stalls and Stanchions double the light and air in a barn and insure perfect ventilation, perfect sanitation—a result impossible with any wooden equipment. Yet

LOUDON STALLS AND STANCHIONS

are actually cheaper. Loudon stalls of heavy tubular steel, with malleable fittings, have no flat surfaces for dust to accumulate—easy to keep clean and almost indestructible. Loudon stanchions give cows more comfort than other makes, yet keep them perfectly lined up. Throat chains prevent cows from lying down when milking. Simple and very durable. Latch easily opened or closed with gloved hand, but can't be opened by animal. Send today for free catalogue of sanitary, money-saving barn equipment.

LOUDON MACHINERY CO. 639 Broadway, Fairfield, Ia.

Straighter Rows Than Ever

Revolving steel disk marker for corn-planters. Can be placed on any wood or pipe staff. Big improvement over the old cast drag. The staff goes through the hub casting which carries the flange that the disk revolves on. Every farmer takes pride in seeing the straight rows he can drive with it. Weight 6 pounds—13 inch steel disk. Price \$2.00 at your dealers. If your dealer hasn't it, write us for full particulars and you will be supplied.

(2)

NATIONAL HARROW COMPANY

Box 109

LEROY, ILL.

FROM OUR READERS

Tile Draining in Rice County.

I have 160 acres in Rice county, Kan. Most of the soil is excellent corn ground and will now make good corn in dry years. In wet years the best land will produce nothing. This land or farm has a creek running through it from west to east, 100 acres on north side of creek and 60 on south side. The land on south side is G. K., but on north side the land is nearly level, a little higher along the creek, but from my farm and north the land works upward for a mile or so. This land is of a sandy nature, underlaid with clay. This sandy ground takes in the water fast, but it cannot get through the clay. Consequently it works harm to my farm and keeps it wet when other farms are drying up. Now I am sure it can be tiled except for the sand. Some spots are very sandy and the sand is very fine. Will run nearly anywhere that water will run. Now, do you know anything about tiling such land? Will the tile choke up and how can the sand be kept out of the tile? What can tile of the various sizes be bought for?—Emil Jacobson, Inman, Kan.

The tile can be laid so that it will not choke with sand if proper precautions are used. If the water all comes from the land above, as Mr. Jacobson thinks, it might be drained by cutting an open ditch along his line, making it deep enough to go through the sand and into the clay a short distance. This ditch would then intercept the water and carry it into the stream. If for any reason the open ditch would be objectionable, the same results may be obtained by putting the tile down into the clay and covering it for two or three inches with loam or some soil that would permit the water to pass but which would exclude the quicksand. In all cases the size of the tile should be so designed that the velocity of the water will be great enough to carry away any small particles of earth or sand that may get into it. For that reason try to impress upon him the economy of having some good engineer handle this for him.—B. J. Dalton, Lawrence, Kan.

It is hard to advise Mr. Jacobson just what to do without having further data relative to the depth of the sandy soil or distance to clay, slopes of the ground, etc. The proper way to handle this question would be to have some good engineer make a contour map of the farm, using about one-foot intervals. On this should be shown location of creek, fences, buildings and a general idea of the slope of the ground on adjoining property, and depth of soil. From this an engineer can locate the drains, calculate the size of the tile to use, and make profiles showing depth at which it should be laid. Tile in carload lots, would cost f. o. b. Kansas City about as follows:

Three inch \$20 per 1,000 feet; 4 inch, \$26 per 1,000 feet; 5 inch \$36 per 1,000 feet; 6 inch, \$48 per 1,000 feet; 7 inch, \$66 per 1,000 feet; 8 inch, \$90 per 1,000 feet; 10 inch, \$100 per 1,000 feet; 12 inch, \$200 per 1,000 feet. —Graeber Bros., Lawrence, Kan.

The Meat Boycott.

We hear so much lately about the beef business, so many different opinions and views, that it prompted me to write the following:

It was printed that a banker of Anthony, Kan., said that the farmers are now so rich that they can hold their cat cattle off the market during this boycott, thus showing their business acumen for holding for a still higher market. Prove it.

Another says the farmer is getting the benefit of these high prices. Cattle are too cheap here. Lots of canners and other cattle sold in this vicinity from \$11 to \$14 per head last fall. Who gets the benefit here? Surely not the farmer.

Then some say the middleman gets the largest rake off. I will leave this between the packer, middleman and the consumer to decide.

Now comes the packer and says they can show their weekly average wholesale price, giving one illustration that figures out at \$8.41 per 100 pounds, and says nothing at all about the hide and other little odds, that used to be called the butcher's fifth quarter, amounting to \$58.39, just for the beef and meat alone. Also Swift deplores lack of range and advises farmers to breed beef cattle. Now isn't this pretty? What

do farmers do anyway? Just sit around and twirl their thumbs I suppose. This looks like a case of two for the packer and one for the farmer.

Out west they howl that there are too many cattle; they are too cheap to pay for raising and fattening. Go east. The butcher and consumer howl worse, declaring there are no cattle and that it is the scarcity that makes the beef high, just a few dairy cattle here and there being all there are to be seen.

It glimmers somewhat dimly that Messrs. Packers know more about it than they will say. They are nicely fixed for cold storage business, and these three of four members of the National Packing Company can just wiggle the almighty dollar their way most conveniently, as per their dividends recently declared. This poor fellow would also like to be able to make some 30 or 35 per cent on his outlay.

The boycotting meat business is a laughable farce. The consumer thinks he is brave and doing a laughable act. Some one starts the idea, and being in reality not unlike a flock of sheep, one starts through a hole in the fence and the remainder follow. What do you think the packer cars? Though meat is not selling quite so readily for a few days, he still has his cold storage warehouse and his meat can hang a few days longer.

When Mr. Public returns to his meat chewing he will probably relish it a little more after his rest. Business will then be lively for the packer, the market price of that commodity will find its old level again. We venture that the packer is losing nothing, but the boycott will be a little hard on the retailer and also on the beef raiser.

Organize ye beef raisers and get your share, for the packer can divide a portion of that 30 or 35 per cent dividends. Let us hear from some more who raise cattle. E. A. L. Kingman. Kan.

From the Beautiful City of Seattle.

I feel like writing a letter to the old KANSAS FARMER about city life as it appears to a Kansas farmer. On my Kansas farm I have often pondered over the question why so many farmers leave their good homes to live in the cities. I have been in Seattle now for over four months trying to study the same question at close range, but I am not expecting to answer it in this letter.

I would not advise either skilled or unskilled laborers to come here to better their financial condition. They can do better by staying in Kansas.

The small business man who has only a little capital, and would want to start a little store in addition to the thousands already here had better start one at a crossroads ten miles from a railroad in Kansas, or buy out some country storekeeper who got rich and wants to retire. There, if he understands his business and attends to it, he can make a good living and have more of the good things of life than he could here. I do not feel competent to advise lawyers, doctors or other professional men. Farming in western Washington needs hardly to be mentioned. There are some dairy farms. One about thirteen miles from here would take front rank in any state. Dairy farming and fruit culture have a great future here. Land from which the logs have been cut can be bought very reasonably when you get away from the real estate boomers. The cost of clearing land is from \$100 to \$175 an acre and is prohibitive for the average man. This is the reason why, although this is a much better country for grass than Kansas, there is very little grown. Nearly all the milk, butter and cheese used in Seattle has to be shipped in.

The problem of utilizing the soil instead of simply cutting and marketing the timber, and speculating in real estate, is getting very important. The Commercial Club of Seattle is trying to devise ways and means of preventing the clearing of land, yet with scarcely any population outside of the cities and smaller towns the people keep on coming to Seattle. The city is growing. Why? Is it not because there is a vague sense growing in the masses that there ought to be more joy in life, that life should be more than daily routine of the farmer's life.

Is it not the cry of the soul, the spiritual nature, for more social and intellectual communion? In that respect the city offers everybody companionship on his own level. Amusements of every grade and kind. Churches of all denominations are in abundance. Free thought clubs, new thought societies, theosophists, etc. Those who have no churches or can not afford to hire halls, speak in the streets.



FITZ OVERALLS
FIT BETTER
AND WEAR
LONGER

YOUR DEALER CARRIES THEM
WRITE FOR
FREE FITZ BOOKLET
BURNHAM-HANNA MUNGER-D.G. CO.
KANSAS CITY, MO.



Is He Sound?

No horse-buyer can be sure that he is getting full value in the horse he buys—unless he knows the tricks and dodges of horse-sharps. Many of them will fool the wisest purchaser who does not understand just how to test for imperfections and how faults and ailments are covered up.

At last there is a book which gives this vital, valuable information. Written by Dr. A. S. Alexander, the famous veterinarian. He tells, in plain language, what the "Gyps" and tricksters do to produce artificial plumpness; make old horses look young, and sick horses appear well; how they temporarily hide lameness, heaves, broken wind, weak eyes, glanders, etc. And how they "fix" a good horse they want to buy to make it appear perfect. Other

Horse Secrets Disclosed

tells how to feed for best and quickest results; how to break a horse of vices; where to buy a horse in absolute safety; how to be sure of a genuine pedigree, etc., etc. No work like this was ever offered before. It will save any horseman many dollars. We will send you a copy, postpaid, and

Farm Journal

for Two Years for only 50 cents

Farm Journal stands in a place all by itself—the standard publication of practical, helpful interest for the farm and home. It is edited close down to "mother earth," treats the everyday problems of the farmer, plowman and poultry-raiser—points out the way to sweet success. Send your subscription and remittance to-day. It already has over 700,000 subscribers scattered the length and breadth of the land.

Farm Journal, 1028 Race St., Philadelphia, Pa.



Cured Six Ringbones

1011 Kaufman Ave., Dubuque, Ia., Feb. 11, 1909.
Dr. B. J. Kendall Co., Enosburg Falls, Vt.
Gentlemen:—Please send me your book called "Treatment of the Horse." I have used your Spavin Cure for years. At present I am doctoring a horse that has a Ringbone. This will make the sixth one we have cured with your medicine. It has given the best of satisfaction in all cases.

Yours truly, Frank Meyer.

Kendall's Spavin Cure

for 40 years has led the medical world in the treatment of Spavin, Ringbone, Curb, Splint, Swellings, Sprains and Lameness of all kinds. It is the one remedy that thousands of experienced horsemen have come to depend upon absolutely. Never causes blisters, scars or white hair spots. As good for man as for the horse. Keep it on hand for emergencies. \$1 a bottle, 5 for \$5. Buy of your druggist, and ask for "A Treatise on the Horse"—a valuable free book, or address

Dr. B. J. Kendall Co., Enosburg Falls, Vt.

Don't Have a Blind One

Wonderful
Discovery

"VISIO"

MOON BLINDNESS and all Diseases of the Eye successfully treated with this NEW REMEDY.

Money Back if it fails to cure. \$2.00 per bottle postpaid on receipt of price.

Visio Remedy Ass'n, Dept. 1, 1933 Wabash Av., Chicago, Ill.



In the cities we find the extremes of wealth and poverty, of foolish splendor and extravagance. I have faith that these very extremes which are so prominent will before long convince thinking people that they had better devote some of their energies to bringing about better economic and industrial conditions. If the people in our large cities, with the object lesson of increasing abject poverty, crime and misery on one hand, and almost inconceivable wealth of a few on the other hand, cannot learn that justice must ever be the foundation of permanent growth, then indeed we may well doubt that popular government is a cure for all of our evils. I am still hopeful, still believing that the sense of justice and the recognition of individual duty and individual responsibility in the masses will remove the evils that now threaten the very existence of our free institutions.

—M. Senn, Riley County, Kan.

Are the College Prices on Seed Grain Too High?

Occasionally, though not often, the question has been raised as to whether the prices charged by the State Agricultural College and Experiment Station for its seed is not too high. These questions are evidently written by people who think of the college as a dealer in seeds, and not as an educational institution that is using its utmost endeavors to distribute its benefits among the greatest number of people. The College is not a commercial institution. It never has a large quantity of seeds of any kind on hand at one time, and it has adopted the wise policy of distributing samples of these seeds in many different localities so that different individuals may secure benefits from them.

In reply to a recent question of this kind, Professor TenEyck expresses his views as follows:

"Up to this time I have been responsible for the prices of the seed corn distributed from this, the agronomy department. I have been obliged to sell these seeds at a high price in order to secure money for carrying on the work. The state has never made any special appropriation for crop improvement or seed breeding.

"Again I am in favor of charging a high price for this improved seed. It is not expected that this College should furnish the farmers their seed for general planting. Our place is simply to do the breeding work, improve the crop and produce a little of the improved seed and distribute it as widely as possible, and we ought to charge a good price for the seed; first, because the man who buys the seed is the one particularly benefited; second, the farmer who pays a high price for the seed will appreciate it a great deal more from the fact that he paid a high price for it. He will give it better conditions for growing and take better care of the crop than he would if the seed was given to him or he had secured it at a low price. Moreover, the price which the college charges 'sets the pace,' and makes it possible for a farmer to give special attention to improved seed, grow it and sell it again at a price which will pay him for the special effort and care. In other words it is placing improved seed on a higher plane where it commands the respect of the farmers and a price which is proportionate to its real value.

"No farmer expects to buy a pure bred Hereford calf or a pure bred Poland China hog today at common prices and he does not expect the College to sell him such individuals except at the price which is charged by the best breeders of these different kinds of stock. It has been the rule that any 'old stuff' was good enough to plant but the new order is to consider pure bred wheat and pure bred corn in the same way that we have been considering pure bred stock.

"I shall be pleased to see the Legislature appropriate money for carrying on the crop improvement work of this College and experiment station, but I would not favor giving the seed away to farmers or even selling it to

There would seem to be a surprising amount of rabies in Kansas and the veterinary department of the State Agricultural College is frequently in receipt of the heads of animals that have died from this terrible disease. The veterinarians at the college are diagnosing each case and working on a method for curing the disease. They are also called upon to diagnose many other kinds of diseases but rabies has required more of their attention from more different parts of the state than any other one.

An All-Purpose Plow!

Think of this—one single plow, suited for all soils, all conditions, all purposes—a Universal Plow. Implement makers for 40 years have tried to make it and failed. WE HAVE SUCCEEDED. A year of field testing has proved it to ourselves and hundreds of enthusiastic farmers.

Think of this—a plow that will turn over SOD without kinking—turn under STUBBLE of any kind and not leave a bit of trash showing—turn under CORN-STALKS with the same perfection, every stool covered—which will turn a 2-inch slice with 18 inches of weeds and cover every spear, or an 8-inch slice under the same conditions equally well.

And, furthermore, will do this in ALL SOILS—sand, clay, waxy bottom, gumbo—stony or gravelly—and leave a perfect furrow with the bottom clean as a floor. No dirt spilled over into the furrow or slopped forward onto the land.

It will not only do all the work just described, but do it with less draft than any other gang plow built, cutting the same width of furrow.

Performance Guaranteed

We absolutely guarantee the satisfactory performance of this plow. We have proven it under all conditions—by field tests from the wheat fields of Canada to the cotton fields of the South, and from the sands of California to the waxy gumbo of Arkansas. It makes one plow do the work of a dozen or more, and if more than one plow is owned, makes every one of use where the need is imperative. No wonder farmers get enthusiastic about it.

ROCK ISLAND UNIVERSAL (G.T.X.) BOTTOMS

Now Ready on our Liberty Gang Plow

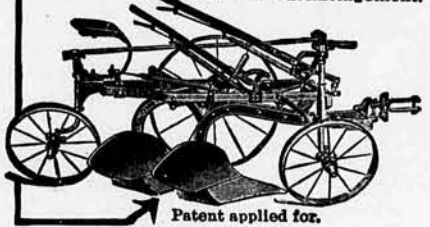
Our wonderful invention has already started to revolutionize the plow business, and in side of a year or two there won't be a plow in the country which will not be equipped with this modern miracle of mechanics. We shall eventually equip all our plows with this bottom. Our celebrated Liberty Gang Plow is already equipped. It has kept us so busy filling orders for this that we haven't been able to get to the others. The Liberty Gang has become so well known for ease of operation, easy draft and wonderful durability during the years it has given satisfaction in all parts of the United States, that no description is necessary, further than that it has all the good points of all gang plows with their weaknesses and disadvantages overcome.

If you can use a Universal—all-purpose plow, which in one implement will do better work than all the plows you have put together, you must ACT QUICKLY. Our mammoth factory is already clogged with orders—it's a case of first come, first served. So order from your Dealer NOW for delivery as soon as possible, or when you need it—either one. Don't be put off—don't even look at anything else. There is NOTHING just as good or a hundredth part of it.

Write us if you want descriptive circulars and nearest dealer's name. Will answer promptly, so the delay won't count against you.

(17)

Note the peculiar corkscrew, auger-like twist of the mouldboard. A slice of any thickness spreads out evenly over the surface without crimping, and turns clear over, burying all trash completely. No spilling over into the furrow or slopping forward onto the land. We control the shape of the mouldboards. They cannot be used by any other manufacturer without infringement.



Patent applied for.

ROCK ISLAND IMPLEMENT COMPANY

Kansas City, Mo.

GET MY PRICE The Lowest Ever Made

Buy direct from the biggest

spreader factory in the world.

—My price has made it. No such

price as I make on this high

grade spreader has ever been

made before in all manure

spreader history. I save you

\$50. Here's the secret and reason:

You pay me only for the actual

material and labor at cost and one

small profit based on my enormous

factory capacity of 30,000 spreaders a

year. And I pay the freight right through

to your station. Any farmer can afford

to have a spreader when he can get in on

a wholesale deal like this on a

position! You know if I didn't have the best spreader, I wouldn't dare to make such an offer. 40,000

farmers of America have stamped their O. K. on it. They all tried it thirty days free just like I ask you

to try it. Get out your pencil. Drop me a postal saying, "Galloway, send your new proposition and big

spreader book free." Ask about the new, complete steel gear 70 bushel spreader.

H. Gutherson, Gladbrook, Iowa, "Works fine. Spreads small buggy team. Does good work. Have always used

the — before. Galloway much the best. If going to

buy a dozen more they would all be Galloways."

So simple, nothing to get out of repair as compared with other spreaders."

The William Galloway Company, 389 Galloway Station, Waterloo, Iowa



Only Successful Wagon Box

Spreader Ever Built

Eleven

Distinct

Patents

Fits Your

Own

Wagon

Freight Prepaid

5 Sizes

GALLOWAY

Get my brand new proposition with proof. Lowest price ever made on a first-class spreader. My agreement to pay you back your money after a 12 months' trial if it's not a paying investment. How's that for a proposition? I won't make such an offer. 40,000 farmers of America have stamped their O. K. on it. They all tried it thirty days free just like I ask you to try it. Get out your pencil. Drop me a postal saying, "Galloway, send your new proposition and big spreader book free." Ask about the new, complete steel gear 70 bushel spreader.

H. Gutherson, Gladbrook, Iowa, "Works fine. Spreads small buggy team. Does good work. Have always used the — before. Galloway much the best. If going to buy a dozen more they would all be Galloways."

So simple, nothing to get out of repair as compared with other spreaders."

The William Galloway Company, 389 Galloway Station, Waterloo, Iowa

IF YOU WANT THE WORTH OF YOUR MONEY, INSURANCE THAT INSURES, PROTECTION THAT PROTECTS, GET A POLICY IN THE

Indiana and Ohio Live Stock Insurance Co., CRAWFORDSVILLE, INDIANA.

Insuring Horses, Mules and Cattle against loss by death from any cause.

The Time-Tried Live Stock Insurance Company that has been in business continuously for twenty-four years.

Established 1886. Cash Capital \$200,000. Assets over \$400,000. Paid \$170,000 losses in 1909. More than \$1,000,000 paid to satisfied policy holders since organization.

Ask the nearest agent or write to home office.

INDIANA AND OHIO LIVE STOCK INS. CO., Crawfordsville, Ind.

O. P. UPDEGRAFF, State Agent,

Topeka, Kan.



QUEEN GALVANIZED IRON CUPOLA

Gives perfect ventilation in your barn—saves you money—constant up-draft gives fresh air circulation for your stock. Rain and snow cannot beat in and spoil your hay and grain—birds cannot get in. Costs less than wooden cupola; fits any barn; easily put on; each cupola furnished with gold leaf weather vane.

Write for full information and prices.

SOBOLIK & PETERSEN,

Dept. 10.

CRESCO, IOWA

HOME CIRCLE



Improvement of Farm Home.

Before laying the foundation for a home it is well to take an inventory of prospects based on present accumulation. In order that the personality of the wife may be retained after marriage, she should be independent in the use, for her personal needs, of a certain definite portion of the proceeds of the farm.

I shall throw a bomb into the camp of discussion by saying unless your circumstances warrant the monthly payment to your wife of an amount equalling ordinary hired girl's wages, in good hard ungrudged cash, you have no moral right to ask her to share your lifetime of toil. This sum should represent the minimum of her receipts from the farm and should not suggest the maximum of her earnings nor the limit to your generosity. A study of divorce causes and an intimate knowledge of the life long, unspoken sorrows of the dependent leads me to believe this reform should begin today. The lifting of this intolerable burden of servitude from the minds and hearts of the women of our farm homes.

Every man's house is his castle, not only for shelter and protection, but his individuality enters into it, and it becomes with its surroundings characteristic of its owners. Fortunately all may dream, but whether we be dreamers only for forceful making dreams come true, pushing them to reality, our premises do bespeak us fairly.

I am assuming that you are settling on an unimproved farm with, perhaps, a few large trees in the hedgerow. In choosing a building site three things are essential: drainage, view and distance from market. If either must be sacrificed, let it be the last. Upon drainage depends the health of the family. Barns, outbuildings and their attendant yards should drain away from the house and its water supply. The cement sewer from the bathroom and closet may connect with the kitchen drain, thus saving the long carry or the fly-breeding, smell-breeding drain at the back door.

Let your windows open upon beautiful things. If possible, get a broad and extensive view. In this vicinity it may be a sweep of the river with its great elms and cottonwoods, or it may be swell on swell of rolling prairie, or possibly you can get only the stray cottonwoods in the hedgerow. Build where you look on something greater and broader than your planting, something to carry your thoughts beyond the daily struggle. Plant orchards and fruits, but, because of falling fruit, apple and peach trees, beautiful as they are, should be somewhat removed.

In the background, close to your house, plant a grove of the common hardy forest trees: walnuts, ash, elms, locusts, and coffee beans—all sure to grow. Mother Nature will break up their cultured lines by seedlings of vine and flower of her own planting. This grove serves a double purpose, a protection to the orchard, and, coming close to your windows, from the first bursting buds of spring to the gaunt bareness of winter it will be a thing of beauty a joy forever.

So much for drainage, view and background, the guardians of your bodily health and your mental outlook.

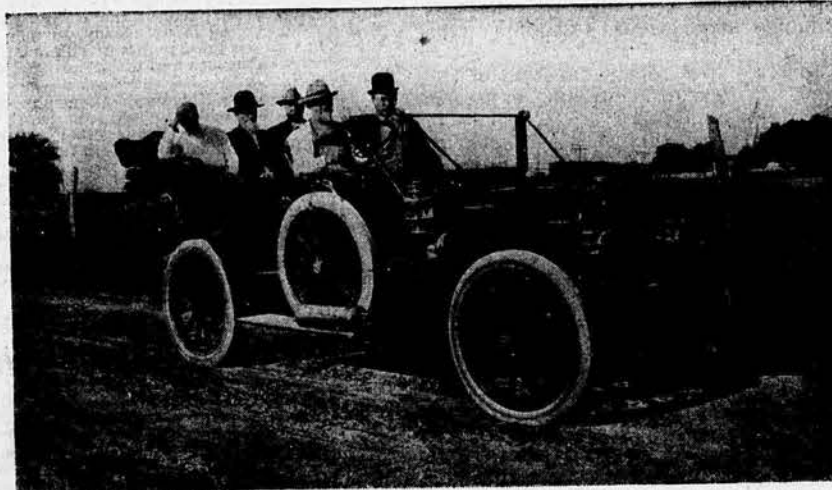
As each long haul to town may be shortened three-fourths of a mile on an eighty, the location of buildings in this regard is worth attention.

In laying out a farm one should have a comprehensive view of future needs. Zigzag lines are objectionable; from back pasture to front gate go straight to the point. Arrange barns, granaries, sheds and yards in relation to one another, and to the house. We are all acquainted with premises where each new building seems an afterthought standing awkwardly and anologically in the foreground, a stranger to the rest.

Place all buildings on good cement foundations. A building too flimsy to pay for a foundation, lopsided and roof sprung proclaims its worthlessness. The usual hole-and-

stone underpinning for such provides the pest house of the farm. Beneath the floor it is unclean and uncleanable. In this accumulated filth and semi-darkness breed mites and cholera germs inoculating the worthless sitting hen sheltered here along with rats, mice and skunks. The enormous leak in the egg basket may be accounted for here. These are called temporary buildings but are really long-continued, unsatisfactory nuisances. Think long before you build one.

The old square dooryard with its shrub-lined walks has given place to the open lawn. Be generous with this allotment. Whether large or small, the beauty of a lawn depends upon its smooth-shaven greenness and its glow of color at the back. In this, which is preeminently a stock country, the lawn and house grounds should be protected by an inconspicuous fence. How many of us have sown in joy to reap in tears. How many hopes of flower and delicate vine and shrub have gone glimmering: not trampled by a devastating army, not swept by a tidal wave, not



The Farmer and His Rambler "Out There in Kansas."

even torn and twisted by the wind, but miserably devoured by two calm-eyed yellow calves. This condition always confronts the woman who is bounded on the north by the hen-house and pig pen and every other direction by the discard of a generation of fast-changing machinery.

There is no reason why a farmer's home cannot be furnace heated. The boys and girls of today are cleaner, sweeter and healthier for the bathroom so long foolishly considered a luxury of the town.

Both husband and wife should consider the planning of the house, but give the wife the casting vote. You have been, at best, but an onlooker in Venice while she, by constant association, knows how things should be in her domain. She will want the bathroom and you will arrange the water supply either from the wind mill, the upstairs soft water cistern, or the usual cistern with the three-ways force pump, throwing water to the bathroom tank, the kitchen sink or the range. Either plan is practicable, but if there is plenty of vigor at the pump handle, the last is preferable.

All dirt from excavations should be removed. Such dirt is poisonous to plant life and will make your lawn look like the Desert of Sahara with cement walks.

In furnishings incline to plain, durable things. A sanitary couch within sight of the clock and the kitchen range has saved more lives and more loves than the most celebrated female tonic. Methods of heating and lighting need not be discussed here, only have plenty of light and plenty of fresh air, remembering that a dust crevice is a germ home and the sunless, airless bedroom is the prolific mother of the great white plague.

Through the long day of drizzling rain I heard the occasional hoarse peeps of a stray chicken. Towards night I located it under a bunch of dripping grass. Its scant feathering was soaked through. With eyes

closed it stood weaving back and forth on icy toes, giving weaker and weaker peeps for help.

I slipped one warm hand under it the other over; it snuggled down with one rejoicing peep, "Mother." There was a shriek of pain; the little limbs straightened and stiffened; I pressed my hands closer; with its last contented peep, "Home." It was dead. To the dying I had brought the sense of home and mother with warmth and a caress.

Dear mothers let us keep the night fire glowing and the night lamp bright in the midst of books and papers and games. Fill the house with music rejoicing that the cradle song follows farther into the world than the well deserved curtain lecture. Live as you sing; let the forgiving heart, the open arms of love suggest the coming home it will not be home unless you build in the brooding mother spirit of love.

Within the memory of a very few our praises trembled to the hoof beats of unnumbered buffalo. Their coming meant shelter, food and wealth to a race of men. Today no tepee, no scattered camp fire, no history, marks the deserted path of the red-man, while broken lines of hard beaten trail, the wallows and a few rivers still mark the annual migration of the buffalo and their methods of housekeeping. I love to think of the family at night after the weary day on the trail; the calves and the unwary young things in the center, the cows lying down facing the dangers from without all asleep in peace.

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

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are mine," yet if the heart cry out "O, Absalom! My Son! My son!" we have failed. The home we built was only a house.

Mother Nature conspires with us of the farm homes. The freedom of broad acres and the lessons and cares of their management give the children breadth of view, wide desires self-reliance and the purity which comes from a wholesome environment—blue sky above, sweet earth below. The enticing avenues of trade and commerce stretch from our thresholds away, away. Pen and brush glorify the march the battle, the soldiers, burial salute, taps. The pomp and parade of wealth accumulated in office, factory and mine! Oh, beyond the reality of the farm stretches that unknown country its spires gilded by imagination. Youth sees only the heights, "The glory that Was Greece; the grandeur that was Rome."

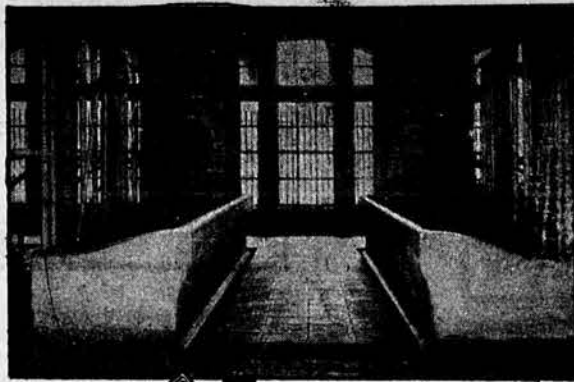
Who shall be the evangel of our farm life? Who shall touch the mists of our familiar valleys with the rainbow wand of promise? As in other vocations so we, knowing the hardships, should glorify our calling. We cannot cover our peaceful mission with the glamour of war, nor tempt with the glittering pretige of unearned wealth, but we can honor our calling; we, who from our farm homes feed and clothe and comfort all nations of the earth and spread good cheer from sea to sea; we, who, erring in details, yet stand the moral guard of the world—Mrs. Schuyler Goldsmith before Acme Farmer Institute.



The Barrel Spray Pump. By Courtesy of the Wm. Stahl Sprayer Co., Quincy, Ill.

Domestic Movements of Live Stock, Provisions, and Grain During 1909.

Live stock receipts for the year 1909 at seven leading interior markets of the United States, 39,545,725 head, were the lowest since 1904. Reports to the Bureau of Statistics of the Department of Commerce and Labor indicate that the receipts of hogs at these markets which during each of the four prior years had been in excess of 19 million head, totalling 22,863,701 head for the year 1908, fell to 18,834,641 head in 1909. The cattle receipts for the year, 9,189,312 head, while comparing favorably with the total for the previous year, 8,827,360 head, were below the like totals for each of the years 1905, 1906 and 1907. The annual receipts of calves, 871,472 head, exceeded like totals for each of the preceding four years. The 1909 arrivals of sheep, 10,284,905 head, while in excess of like totals for the two preceding years show a smaller total than the figures for 1905 and 1907. The receipts of horses and mules, 365,395 in number, were above the total reported for the year before, showing, however, a large decrease when compared with the figures for earlier years. The shortage, as compared with the 1908 figures, in the supply of hogs does not affect particularly any one of the markets considered. As compared with 1908 figures, receipts at Chicago, 7,033,647 head, show an absolute decrease of 1,627,274 head, or a decline of 19 per cent; those at Kansas City, 3,092,835 head, a minus 622,214 head, or a decline of 17 per cent; those at Omaha, an absolute decrease of 289,358 head and a relative decline at 12 per cent. The largest per cent decrease is shown in the receipts of hogs at St. Joseph, the 1909 figures, 1,693,831 head, being 28 per cent below those reported the year before. The 1909 receipts of hogs at St. Louis, 3,076,065 head, show a relatively small decline of less than 4 per cent from the 1908 total.



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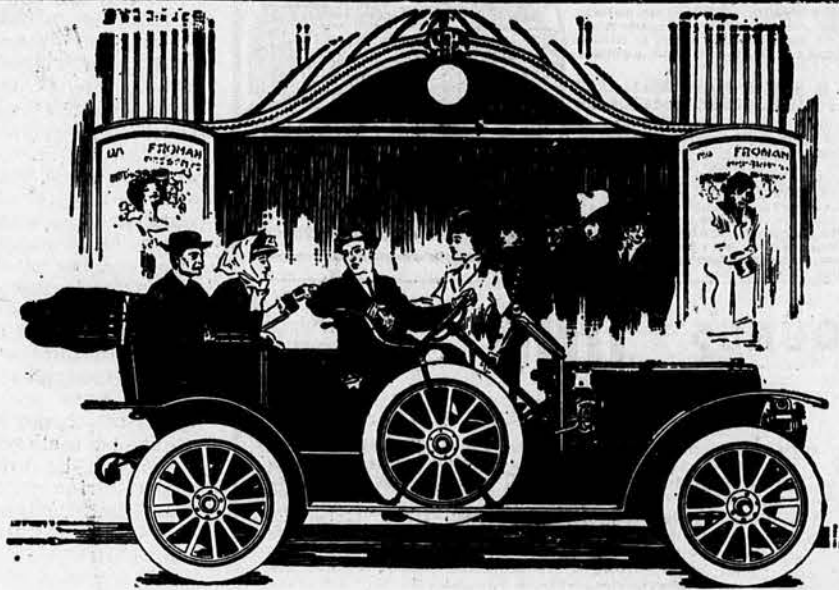
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THE FARM



Prof. G. C. Wheeler returned last week from a series of farmers' institutes in the extreme western part of the state. He reports splendid interest in the meetings. The farmers of this section are just beginning to awaken to the possibilities of the proper conservation of the soil moisture, commonly called the Campbell system. A most encouraging feature of these meetings have been the reports of a few practical farmers in every county who have been securing surprising results through an extended period of years. T. J. Davis accompanied Prof. Wheeler on this trip and related his experiences in growing wheat in Gray county by the Campbell system, where he has secured for the past three years an average yield of 15 bushels per acre—a most remarkable result when the number of absolute failures during the three dry years of the past is considered. Mr. Davis has made an average net profit of \$6.59 per acre for this period.—Industrialist.

The Chinch Bug Prospect.

There is an outbreak of chinch bug threatened, extending over a portion of Kansas, Oklahoma southward into Texas, and probably extending eastward into northwestern Arkansas and southwestern Missouri. Assistants of the Bureau have been experimenting at Wellington, Kan., and find that the chinch bug is now hibernating in a number of grasses, notably the rye grass (Elymus), of which there are two or three species, but particularly the quack grass called also the falso couch grass, and wheat grass. These grasses grow in clumps and from the height of one to two feet, especially along roadsides and fences. The chinch bugs are hiding away at the base of these grasses and experiments have shown that 80 per cent of them can be killed by burning this grass during winter or early spring. Now that the pest is congregated in these places and at the farmers' mercy, he can to a large extent ward off the attack of his pest by burning these grasses wherever they occur about the roadsides or in his fields. The information is of sufficient importance to warrant its being given the widest possible publication.—United States Department of Agriculture.

An Alfalfa Hay Shed.

While the opinion of alfalfa farmers generally seems to be in favor of thorough protection from the weather for this kind of hay there are very many who do not have barns of sufficient capacity to care for their crops and are obliged to stack their alfalfa. Stacking always results in loss and various devices have been resorted to in order to prevent this. It is known that stacked alfalfa suffers more from moisture falling on top of the stack than from that which strikes the sides and the device shown in the accompanying drawing has been in successful use in many parts of the state.



This hay shed is made by setting the requisite number of poles, telephone poles are good, in the ground at the proper distances apart and then building the light roof as shown. The roof is held in place by iron pins in the poles. It may be covered with galvanized iron or any light lumber that will resist wind and rain. If it is not desired to raise and lower the roof it may be permanently fastened to the poles.

One breeder suggests the building of a sloping shed entirely around the structure as an added protection for

the hay and a dry feeding place for the cattle. If this is done some sort of feed rack would be necessary under the shed roofs.

The Smuts of Sorghum.

Smuts are very serious enemies to cultivated crops, hence, they have received a great deal of attention from the National Department of Agriculture. Recently the Department has issued a circular on sorghum smuts. The objects of this circular are (1) to call attention to these dangerous pests; (2) to warn farmers of the dangers of introducing them into new localities; and (3) to suggest simple methods of getting rid of these smuts.

The term "sorghum" as here used includes not only the sweet sorghums, but Kafir corn, milo, and dura (known in some sections as Egyptian corn). As the growth of different varieties of sorghum as grain and forage crops is rapidly extending, it is very important that farmers should prevent the spread of smuts by using seed that is free from the disease or by treating the seed.

The kind of smut most commonly found on sorghums in this country is that which affects the individual grains in the seed head. If seed is taken from a field affected by this smut, it can be freed from contamination by soaking for an hour in a solution of 1 pound of formalin in 30 gallons of water. Water heated to about 135 degrees F. is also effective in destroying the spores. Full directions for treatment are given in this circular, which is for free distribution.—U. S. Dept. of Agriculture.

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The Value of Testing Seed Corn.

One of the most serious problems that has confronted the farmers of the corn belt in many years is to be found in the condition of the seed corn crop. Weather conditions last fall and winter have made it practically certain that the bulk of the corn throughout this region is wholly unfit for planting. Professor P. G. Holden of the Iowa Agricultural College states that in a test of 100 ears he only found eight that were good enough to use for seed corn. Other tests show similar results. Many farmers believe that they can select satisfactory seed corn from the cribs and in ordinary years this might be true but it is undoubtedly a fact that vast quantities of corn suffered from the early freeze in October to such an extent that it will not germinate, although it may be useful for feeding. It is almost absolutely necessary that seed corn should be tested before planting, or the labor of replanting will have to be faced.

There is an added reason for testing corn, and this lies in the fact that seeds from imperfect ears are likely to reproduce their kind. The average yield of corn for this country is only about 26 bushels per acre, which means about one ear to the hill. This can be largely corrected and the yield increased by selection of good seed. If an average of three years to the hill could be secured, the corn belt of this country would show a favorable comparison with the corn regions of Europe. Until this is done our great corn crop must stand as the result of farming great areas of low yield rather than doing less work with less expense and smaller acreage and getting bigger crops. There are many ways of testing seed corn but it should always be tested. The necessity for this, however was probably never so great in Kansas as it is this spring.

Tobacco in Northeastern Kansas.

Last season, the Leavenworth Daily Post, distributed some tobacco seed among the farmers of northeastern Kansas and northwestern Missouri, and in doing so seems to have developed a new industry for that territory. Mr. Gus Aaron of Leavenworth recently stated that his success was so great with tobacco that he believed he was making more money from this crop than he had previously made from his Poland China hogs, and his record as a breeder is well known. At any rate, the farmers have been so successful that they have erected a tobacco warehouse, and more of them will engage in the business this year.

In a recent issue of the Daily Post, Mr. Wiley Murphey of Leavenworth gives the following pointers on how to raise tobacco:

First—Sow your seed in the month of March as soon as the ground is in condition. The beds for seed should be well prepared by burning brush which will kill the weeds and fertilize the ground. Make a long but narrow bed, say three feet wide so that it can be covered with one width of muslin. Have your bed in some warm place laying to the south. Be careful not to sow the seeds too thick and after the plants come up keep the weeds out of the bed and sprinkle the plants.

Second—The ground for planting should be well prepared and marked out by throwing up a small ridge to plant the tobacco on. These rows should be four feet wide and plant on ridge 16 to 20 inches apart as to the condition of your ground.

The first cultivation should be done with the hoe, scraping the ridge down. Balance of cultivation can be done the same as corn. After your tobacco gets as many leaves as you think the season and the ground will produce, say 16 to 20 leaves, top it and from this time on it must be wormed and suckered and when your top leaves grow out, you will notice your tobacco will turn from a dark green to a shade lighter or brown color. Then is the time to cut by splitting the stalks from the top to within four inches of the ground. Cut off the stalk close to the ground and hang on lathes and scaffolds in field for two or three days to wilt. This will take up much less barn room.

After hanging your tobacco in barn allow your tobacco all the ventilation you can give it until the leaves begin to dry, then close your barn until tobacco is thoroughly dry and when a moist spell of weather comes, open up the barn and let the tobacco get damp so that it can be handled without breaking. Take it down and rick it up in big ricks and cover so as to

keep it damp and strip at leisure. In stripping you should use care to make three or four grades not making the hands too large and of one length.

How To Tan a Sheep Pelt.

After trimming off all the useless parts, remove the fatty matter from the inside. If, however, the skin is dry it must be softened by soaking. In either case, soak the skin for an hour in warm water; now spread over the inside of the skin, by means of a brush, a coating consisting of one ounce borax, one ounce saltpeter, one ounce glauca salts, and water sufficient to make a thin paste. The coating should be heavier when applied on the thicker parts of the skin. Double the skin together, coated sides inward and put it away in a cool place. After 24 hours apply, in the same manner as before, a coating of a mixture consisting of one ounce sal soda, half ounce borax, two ounces hard white soap. Melt these together slowly by heat without letting the mixture boil. After coating the skin with the above, fold it together again as before and put it in a warm place for another 24 hours. At the expiration of this time, take four ounces alum, eight ounces salt, two ounces saleratus. Dissolve these in hot water sufficient in quantity to saturate the skin. When cool enough not to scald the hand, soak the skin in the mixture for two hours, then wring it out and hang it up to dry. The soaking and drying must be repeated two or three times until the skin is sufficiently soft. The last thing is to smooth the inside with fine sandpaper and pumice stone.

Business System on the Farm.

The use of up-to-date machinery by the country's large manufacturers is the example which business men of this enlightened age are setting for the man who tills the soil. It is the means of adding to the profits. In some lines of business, competition is so terrific that machinery, more advanced than that of his competitors, is often the only method by which a business man may secure actual earning power from his capital.

In the cost of raising a bushel of corn or wheat, the amount of money expended must be figured in proportion to the labor expended, in exactly the same way that the cost of any manufactured article is calculated.

The farmer, in one respect, is above the business man, for the materials from which he grows his crops cost comparatively little. His money and time saving opportunity is in the use of up-to-date farm machinery to get better produce and at the same time cut down expenses.

One way to reduce the cost of crops is by the use of modern plowing methods. Only a few years ago farmers were harvesting wheat by hand and attempting to cultivate large fields of corn with a single shovel plow. Yet today cultivation cost is cut low and great time is saved by discarding the walking plow and adopting the real business methods embodied in the gang plow.

That tool was once made for special work, such as plowing sod or stubble. Today, however, the use of universal bottoms—moldboards and shares—which do perfect work in sod, stubble or corn stalk land, makes the gang plow the implement for every plowing purpose. Thus the true principle of farm economy has been brought before the agriculturist.

Added to the big prices which farm products for 1910 will bring is the saving in money and time which is so easily effected by the use of modern implements, the gang plow being a strong factor.

One man and four horses with a gang plow accomplish a greater amount of work than is possible for two men and six horses with walking plows. This saving amounts to a large item where the farm is of reasonable size and even on a small farm one season's saving will in itself pay for the cost of the improved farming methods—to say nothing of added comfort, and time saving.

Every farmer who reads this article for his own benefit should figure out the cost of his crop. Base it on the labor required at so much per day; the approximate amount of money represented by the work of the horses, etc. Then figure it out on a basis of modern farm machinery and the consequent saving. In most cases it will be found that one season's saving will pay the cost of a part of the up-to-date machinery.

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FARM POWER

The question of farm power is becoming one of great importance, and one to which much more thought must be given. With farm help becoming more scarce and higher priced every year, work animals becoming so high priced that buying them seems almost prohibited, the farmers are looking for a concentrated, easily operated, mechanical power for the farms. It certainly seems that we are passing the time when it is profitable for a man to follow two animals about, over a field all day, to accomplish what little he does. It would be a much more intellectual feat for him to operate a few levers on an engine and accomplish six to ten times as much.

We have long since quit fearing that machinery will deprive the poor man of his job. We are learning that the automobile, motor cars, traction engines, etc., do not reduce the price of work animals.

However, it is noticeable that since



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the development of the many labor saving farm implements, that there is a good increase in the amount of rural mail distributed, in the number of farm boys and girls in colleges, and in the recreation taken by the farmer. With the machines now available, we are able to do the necessary work on the farm in less time, leaving time to read and spare the boys and girls, while they go to college, etc.

But when we come to compare, for instance the developments of pleasure giving devices—such as motor cars, and aeroplanes, with the power we must use in our fields, we see quite a difference. There are only three or four gasoline farm tractors, and they are clumsy as compared to the automobile. The steam engine is so heavy for the power furnished that they are almost useless in fields. A 30 horse power steam tractor is so heavy that the bridges on the roads are not safe to cross, while a 100-horse power auto will cross them as harmlessly as a buggy. I am told that there is a gasoline motor being perfected, 4 cylinder, 16 cycle, that develops 60-brake horse power and weighs only 35 pounds. Think of the comparison with a 60-horse power traction engine.

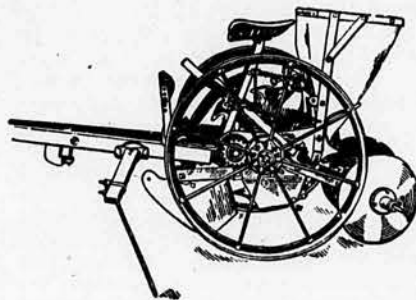
There is need of some of the marvels of mechanical minds being turned to the development of farm motor power. There is evidence that there will be results soon as there are many attempts being made to build traction machinery of a practical nature for farm use. The stationary internal combustion engine is helping wonderfully, doing all kinds of jobs that used to keep the boys out of school, as well as mischief. The gasoline en-

gine on the farm is a source of great pleasure, as well as often of great bother.

Those who have used gasoline engines for years have great respect for them. With the ordinary farm handling they often become quite fickle, they will sometimes start without coaxing and then again they can't be coaxed to start at all. I saw one on an exhibition floor at the Royal last fall stop of its own accord. The expert looked at it, tightened the stuff box on the pump, tried the batteries, cleaned the spark plug, put in fresh gasoline, examined the carburetor, etc. Everything was all right, but it wouldn't go. Finally it did go, and the expert didn't know why.

The steam engine is much more certain of going when you are ready, and many minds to the contrary notwithstanding, is a much more satisfactory power for plants above ten horse power, and even smaller if the power is used only occasionally. The idea that an internal combustion engine requires no attention is a mistake. However, the two to four horse power gasoline engines are a great boon to the farmers. On our ranch here, we could hardly do without the two we have. A two and one-half horse power vertical, mounted on a low wheeled wagon truck with a wood saw mandrell in the back of frame is certainly a labor saving device. It can be moved any place and used for anything it is capable of doing. Our other engine, a one and one-half horse power vertical, also mounted on a home made truck, the wheels and axles of which are out of old mowing machines. This engine is used to pump water, run fanning mill, grind stone, emery wheel, etc. It can be easily set around wherever wanted. Only vertical engines are a success; mounted as a horizontal engine gives too much vibration.

The first cost of gasoline engines varies greatly, but I am doubtful of the value of the cheap engines. Forty to fifty dollars per horse power is



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apparently as cheap as a good engine can be bought. The cost of operating a small gasoline engine is a very uncertain matter. The engines vary under different loads and adjustment but if they are at all carefully handled, they furnish economical power.

There are certain things to be considered if an engine is to be bought. Remember that there are 10 men who understand steam engines to one who understands an internal combustion engine. Gasoline engines require very careful attention, and adjustment to operate satisfactorily. If one person always operates a gasoline engine it will give better satisfaction than if several "take turns" at it. There are good books of instructions and bulle-



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

tins published that are available to everybody and that should be studied by owners as well as prospective owners.

Never fool with a battery on a small engine, use a magneto, and nearly half of the trouble is passed. Never buy a cheap engine. Get a good one and study it, don't take it for granted that you know all about it, because they look simple, and the advertising matter said it ran itself. Usually an engine is not understood until something gives out. Repair bills on gasoline engines are expensive educators.

Every farm should have a small portable engine. If you have a coal bank, get a steam outfit. If you do not have coal, get a gasoline engine, of vertical style, and mount it on an old low wheeled wagon with a wood saw behind.

Let us hope that we may soon have developed farm motors that we can use in the field, and do the work in half or one fourth the time it takes with teams, not that we may get rich faster, but that we may have time to enjoy life better.—J. G. Haney.

The Sire Is Half the Herd.

The statement is frequently made that the sire is half the herd. It has been repeated so often that we think most people accept it but how few really understand it. Because everybody says it is so, it is accepted as true by the majority of breeders without really thinking of its full significance. To demonstrate this it is only necessary to point out the influence that is exerted by a pure bred sire on a scrub herd. While it is never possible to secure a pure bred animal, in the mathematical sense, whose parents in the remote past have any taint of inferior breeding, the results that may be attained are so nearly perfection that one may have the actual quality, shape, size, growing qualities and development in such measure as to compare favorably with pure bred herds of the same breed. He is always in danger, however, of atavism or the "set-back" through which some undesirable trait or character that was possessed by a remote ancestor may appear or even be intensified in the present generation.

The table given herewith is intended to show the rapidity with which the qualities of sire will accumulate in the high grades, but in reading this it must not be understood that the same sire is necessary or desirable. A different sire may be represented in each different generation, and the table, which is taken from an exchange, is intended to show the proportion of pure blood in the progeny:

Generation.	Blood.	Imp.	Unimp.
1	1/2	50	50
2	3/4	75	25
3	7/8	87.5	12.5
4	15-16	93.75	6.25
5	31-32	96.87	3.12
6	63-64	98.43	1.56

Indian Creek Has Membership Contest.

A special meeting of the Indian Creek Grange was held last week at the hall four miles north of Topeka. The meeting was held for the purpose of passing on a large number of applications for membership in the Grange, which have been secured recently in the contest which is now being carried on in the Indian Creek district. J. O. Browning and O. F. Whitney are the leaders of the two sides. Fifty-seven new members were taken in at the meeting yesterday afternoon. This makes the membership of the Grange nearly a hundred and fifty.

Any one desiring information in regard to the Grange, can obtain literature free, clearly setting forth the aims and objects of the order by addressing Oliver Wilson, Peoria, Ill., or the State Master of the state in which he lives.

LEGALITY OF WILLS

Every person is interested in the disposition of his property at his death and should know absolutely that it will be received by those whom he desires to have it, without trouble or expense. Nathan Q. Tanquary, Continental Bldg., Denver, Colo., for more than 20 years has made a specialty of the law concerning wills, estates and diversion of property. No will drawn by Mr. Tanquary has ever been broken. All inquiries by mail or in person are treated with the utmost confidence and given careful personal attention.

Don't Kill The Hen That Lays The Golden Egg
By setting her to hatching chicks. You can't afford it. Keep your hens busy laying and let the Fairfield Incubator and Brooder hatch and raise your chicks for you. They will do it a lot better, easier and cheaper. The Fairfield never leaves the nest in the middle of the hatch like your hens and some inferior incubators do. It's the world's best hatcher—my customers say so. Let me prove it to you at my risk.

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My New Fairfield Incubator

Will give you the largest hatches and healthiest chicks. It's the "World's Best Hatcher."

That's what my customers call it. Their experience has proven it to be all that for them and you too. Now isn't that the kind of Incubator you want in your poultry business? Just let me send you a Fairfield to try for two full hatches free in your own home. I guarantee it to give you bigger hatches and better chicks than any other incubator made, or your money back and I will pay the freight. You can't beat this offer anywhere. You can't beat the Fairfield Incubators and Brooders at any price. Let me prove it to you at my risk. Write for catalog and special free trial offer today.

No Incubator on the Market Like Mine. The Fairfield is made out of California Redwood. Copper Steam and water patented heating system. Perfect regulator. Best lamp in any incubator made. Large roomy nursery and egg chamber. Double doors. Unobstructed top. In every way as good an incubator as you can buy at any price. Our direct-to-you-price saves you one-third to one-half. Write for new catalog and special offer today. Address
Sam Thompson, Pres., Nebraska Incubator Co., 177 Main Street, Fairfield, Nebraska.

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Let me help you in the Poultry Business. Get a Poultry Leader Incubator and Brooder, then you will be sure to hatch and raise chickens. Metal Encased—Safe and Sure—Prices are Lower—85 Per Cent Better Hatches. It's time for you to hurry. Free book ready. Send your name quick. Freight Paid.

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a complete balanced Ration; it develops bone, flesh and feathers, saves your Chicks, and they make a rapid growth. Send for circular and prices on Poultry Supplies

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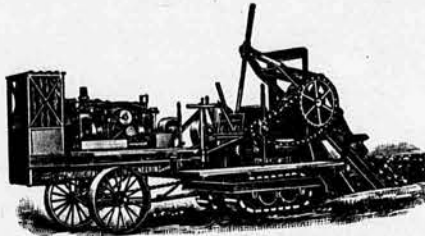
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A. L. Rice, a prominent manufacturer of Adams, N. Y., has discovered a process of making a new kind of paint without the use of oil. He calls it Powderpaint. It comes in the form of a dry powder and all that is required is cold water to make a paint weather proof, fire proof and as durable as oil paint. It adheres to any surface, wood, stone or brick, spreads and looks like oil paint and costs about one-fourth as much.

Write to Mr. A. L. Rice, Manuf'r., 86 North St., Adams, N. Y., and he will send you a free trial package, also color card and full information showing you how you can save a good many dollars. Write to-day.



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It will dig from 3,000 to 5,000 lineal feet per day and make you more clear money than the best 160-acre farm in your county. If you have decided to branch out for yourself this year, arrangements should be completed at once, as spring will be here almost before you know it.

The Austin Tile Ditcher is the only ditching machine made that has positively self-cleaning buckets, hence will dig gumbo or sticky clay without clogging.

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APIARY

Cleansing Bees Wax.

Can you tell me how to render and cleanse bees wax?—W. R. Taggart, Jefferson, Mo.

There are several different makes of wax extractors, as you will see by the catalog we are sending you, which may do your work if you have a small apiary. But as we have 300 swarms we have made a larger solar extractor which we get along with nicely. Get a large pane of glass and put into a frame. Make a box the size of your glass and frame, and 12 or 14 inches deep. Get a piece of good tin about 8 or 10 inches shorter than the box and 2 to 4 inches wider than the box. When put into the box and fastened it will sag in the middle which will run wax into the middle and down into a pan put under the lower edge to catch the wax. Now, as you will see by catalog, the upper edge is raised so as to give the sun a chance to shine on the glass.

Honey as a Food to Maintain the Heat of the Body.

I am not scientist enough to give the scientific reasons but it seems plain to me that the consumption of honey aids materially in keeping up the necessary temperature of the body in cold weather. It seems to be a law of nature that the palate craves that which the body most needs. In cold weather our appetites call for great quantities of fat meats, and other heat producing foods that we have little or no craving for in warm weather. While in summer we prefer vegetables, fruits and other light foods, which do not create any great amount of bodily heat. The same will apply to those people who live in the far north and those who inhabit the tropics. The former subsists chiefly on meats and fish while the latter are satisfied with a much less quantity of such foods but consume more fruits and vegetables. The appetite we have for honey in very cold weather and the lack of this same craving for it in warm weather would seem to indicate that honey is a great heat producer. Eat plenty of honey in real cold weather and see if it does not help the body to withstand the cold.

Remember the Bees.

The bees have been but little trouble to you so far and will be but little more, yet they do require some attention, and in the spring when other work claims your attention is the time when they are most likely to be neglected. At the present time about the only thing to do is to look into them occasionally and see that they have plenty of winter stores and that the mice and moths are not molesting them.

Get the hives ready for spring occupancy when swarming begins. If you wait till the bees are swarming there will not be time to make preparations. Clean all frames and sections by heating a case knife and scraping propylus and comb away. This is good weather for that; you can sit near the stove and keep the knife warm.

If any of the colonies need feeding, thick syrup of granulated sugar is about the best that can be fed to them. Some form of feeder is best, but for lack of these it will be satisfactory to place the syrup in a shallow pan and set on top of the frames. It is not so easy to feed in an old box hive, but where there are holes in the top for putting a cap on the syrup may be set on top, the holes opened and a box set over it; or the syrup may be placed under the hive, on the bottom board.

Finding and Introducing Queens.

The queen is the only perfectly developed female in the hive and her size is between that of a worker and a drone but her abdomen is much longer and larger than that of a worker. The queen is richer in color than either worker or drone and can easily be distinguished from a drone, because she is more the shape of a worker. Usually there is only one queen in a hive; sometimes two, but not very often. In case there are two the bees discover that their mother is defective or is failing, and set about to raise another one to take her place, when she will be permitted to remain in the hive with her daughter for some time.

The queen is the mother of all the bees in the hive, which are from 30,000

to 90,000 strong, according to the season and strength of the queen, and to find a queen in this mighty army of bees is no small task for a beginner. Remove the cover from the colony you wish to find the queen in, and use just enough smoke to keep the bees subdued, for if you use too much smoke it will cause them to leave their quiet position on the comb, and go crawling about over the comb and the interior parts of the hive and boiling out on the alighting board and over the top of the hive, and of course the queen will join them and it will be more difficult to find her than if you had used only enough smoke to subdue them.

Remove the dummy and lift out the frame next to it and look over it carefully, and set it outside off the hive. Lift out the next frame and look over it, and so on until all the frames have been carefully gone over. If the queen has not been found during this search, look over the frames very carefully the second time, then if she is not found set the frames back in the hive and put the cover on. After an hour or two repeat the search until she is found. Usually the queen will be found the first time. Also keep a close watch on the bottom and sides of the hive, for often she will be found there. Of course, queens are more easily found in a weak colony, of a nucleus of bees than in a strong colony.

If the frames or combs in a modern hive are not moveable, disturb the bees and let them fill themselves with honey. Then send plenty of smoke down between the combs until the bees begin to march out on the alighting board to escape from the smoke. Continue sending the smoke down between the combs at the same time watch the bees closely until the queen marches out when you can pick her up. If it is desired to remove a queen from an old box hive, remove the top and send the smoke in at the entrance, and soon the queen will be seen crawling around on top of the combs or the sides of the hive, where she can be caught and disposed of according to the wish of the apiarist. A queen should never be handled roughly, for it will greatly injure her. The amateur had better not handle queens at all unless it is absolutely necessary to do so.

INTRODUCING QUEENS.

Bees have a very great sense of smell, and in this way they seem to recognize each other, and of course they know when a strange bee or queen is among them. And as they allow no intruding bees except drones among them, they will proceed to kill all intruding bees and queens that enter the hive. It matters not how much they may be in need of a queen if a strange one is given them they will soon ball her and thus smother her to death.

First, we must study the habits of the bees as some plans will give good results at one time and fail at another. This depends greatly upon the condition of the bees and the time of year. That is, bees will accept the queen much more readily as a rule in the early and latter parts of the season than in mid-summer. In mid-summer some colonies will accept a queen readily, while others are very slow and stubborn about it. When they are gathering honey plentifully, fertile queens can be safely introduced by almost any plan, but when the honey flow is over and the bees are comparatively idle, the queens are often received with very little grace.

Second, that nuclei or small colonies and young bees are much more apt to accept the queen than old bees and strong colonies.

Third, that some colonies that have been queenless for some time become very stubborn indeed. So it is much better to give a new queen as soon as the old one is taken away. Queens are sent through the mails in the Benton mailing cages, with directions of each cage.

Now, to introduce them to a colony. If these directions are carried out, there will be but few lost in introducing them, and if queens are to be introduced from one hive into another or carried from one apiary to another, they must be put in a similar cage with plenty of clean cage candy, and then introduced in the same way as queens that are sent through the mails. Queens that are sent by mail should be examined as soon as they arrive to

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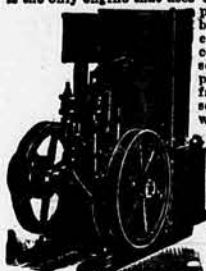
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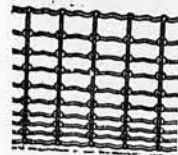
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Write for free descriptive circular "Made of Heavy Boiler Steel 1-8 in. Thick" MILTON SUPPLY CO., 1617 Union St., Chicago, Ill.

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Different from all others. Grind Corn with shucks or without. Kafir in the head and all kinds small grain. 4 and 8 horse sizes. Geared 10 to 1 or 7 to 1. (Also make 8 disc belt mills). C. N. P. Bowser Co., South Bend, Ind.

see that they are alive and in good condition, for sometimes they will die in the mails or be badly daubed with the candy. The cause of this is that the mail has in some way been exposed to the direct rays of the sun, which of course would soften the candy and then the queen and her escorts would thus be daubed with it and would be in poor condition for introduction. If the queen arrives badly daubed or dead, she should be mailed back to the sender at once who will make the loss good by sending another queen in her place. But the queens in good condition should be introduced as soon as possible according to the directions found on the under side of the pasteboard which is tacked over the wire cloth and contains your address. At one end of the cage will be seen a very small strip of pasteboard tacked over the hole filled with candy. This should not be removed. The object of it is to delay the releasing of the queen, for without it they would soon eat the candy out of the cage, and release the queen before the bees can get acquainted with her. And of course they would soon ball her and thus smother her to death. It usually takes the bees and queen more than 24 hours to form an acquaintance.

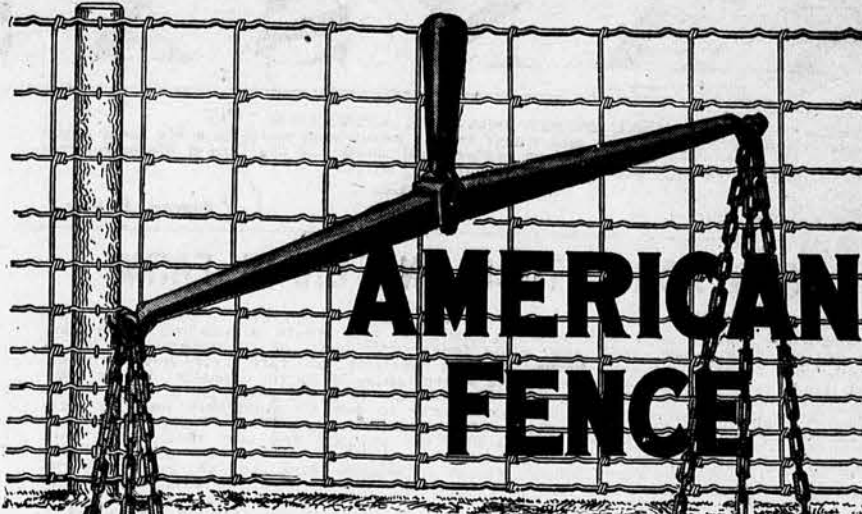
It is not the best plan to use the mailing cage in which the queen was shipped for introducing. This cage becomes filled with bad odors during its passage through the mails and becomes offensive to the bees and the confined queen is only received under difficulty. Always use a clean, fresh cage if possible. The queen can be safely transferred to another cage in the room before a window. Open the mailing cage and let her pass to the window. Then catch her by the wing or thorax and place her in the clean cage. Never take hold of her by the abdomen or you might injure her. Do not put any of the bees that come with her in the new cage. After the pasteboard has been removed from the cage over the wire cloth, introduce the queen as follows:

Find the undesired queens and kill them and then give the bees the caged queen by placing the cage between two top bars of the brood frames containing the most of the brood. Insert with the side of the cage covered with wire turned down so that the queen and the bees in the hive have access to each other and thus form an acquaintance. The frames must be pressed up firmly against the cage, so that the cage will not drop down between the combs to the bottom of the hive. Do not molest the bees any more for four or five days. During this time the bees and queen will form acquaintances, the queen will be liberated and all will be quiet at home together, and the queen will usually be found laying.—J. C. Frank, Dodge City, Kan.

This is the time of year when the average man begins to think of the the green things he will get from his garden a little later on. We suppose most people maintain a few rhubarb plants for the sake of the spring ples and now is a good time to give these attention. A heavy dressing of well rotted manure over the rhubarb bed will bring big returns. It is said that if one would turn a barrel over the rhubarb plants and pile manure high around it keeping a loose cover on the top, he will be able to secure much larger, earlier stalks than if they are allowed to grow in the ordinary way.

Another place where a load of good, well rotted manure can be used to advantage is on the asparagus bed. There are very many people who seem not to know how to set out asparagus for permanent results and who allow the plants to deteriorate through lack of care. The results are that they grow an ornamental weed instead of a toothsome dish for the table. Give the asparagus bed a good coat of manure now and watch results.

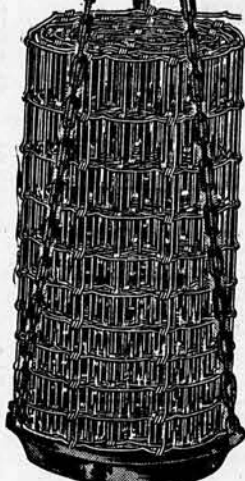
Be sure to cut off all diseased branches in the orchard at this time and watch especially for black knot in the plum and cherry trees. Where this is present cut off the limb well below the diseased portion and burn the limbs. In apples, the same treatment may be used for canker where present. A spray with a lime sulfur wash is more effective now in the destruction of San Jose scale than it can be after the leaves form and it is equally destructive of aphids and other pests.



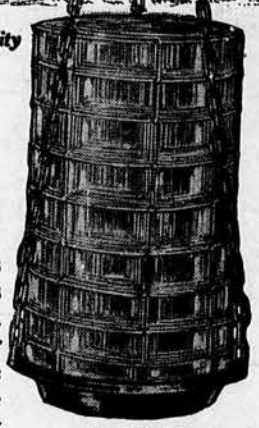
AMERICAN FENCE

Made of Hard, Stiff Wire, of Honest Quality

A Heavy American Fence Costs You No More Per Rod Than Lighter Fences of Other Makes



American Fence



Light Wire

A roll of heavy fence means big wire. Big wire means more strength and longer life. Insist upon the dealer weighing the roll of fence he sells you. This will tell the story quicker than any other way, for you cannot always tell the size of wire by eye. American Fence will stand this test against any fence made, and will prove its greater weight. Why, then, pay the same money for a lighter fence?

American Fence is made of hard, stiff steel, is made of a quality of wire drawn expressly for woven-wire-fence purposes by the largest manufacturers of wire in the world. Galvanized by latest improved processes, the best that the skill and experience of years has taught. Built on the same elastic hinged-joint (patented) principle, which effectually protects the stay or upright wires from breaking under hard usage.

Test, judge and compare American Fence under any and all conditions and you will find that the steel, the structure and the galvanizing are equal in durability, strength and efficiency to the hardest uses.

F. BAACKES, Vice-Pres. & Gen. Sales Agent
American Steel & Wire Co.

Chicago New York Denver San Francisco
NOTE.—Dealers everywhere. See the one in your town and have him show you the different designs and give prices. Also get from him booklet entitled, "HOW TO BUILD A CHEAP CONCRETE FENCE POST," furnished free for the asking.

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We give you a positive guarantee—everything put down in black and white and signed; and, besides this, we actually send you a Surety Bond issued by the Bankers' Surety Company, Cleveland, Ohio.

The Sure Hatch Incubator is built of the very best materials and constructed along lines that always insure perfect hatching results. If this were not so, we could not give the liberal, binding guarantee that we do. The Bankers' Surety Company could not afford to place its entire resources behind our guarantee if the Sure Hatch were not the best incubator manufactured.

Superior Construction makes the Sure Hatch the best Early Season Incubator. We have moved the Hatching period forward several weeks, and with it you can get the earliest birds, that bring biggest prices.

Double Redwood walls; Dead Air Space Insulation; Special Hot Water Heating System; Perfect heat, and fresh air regulation put the Sure Hatch in a class by itself. Our Double Guarantee keeps it in a class by itself. We pay the freight, and give you 60 days' Free trial.

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THE VETERINARIAN

We cordially invite our readers to consult us when they desire information in regard to sick or lame animals, and thus assist us in making this Department one of the most interesting features of The Kansas Farmer. Kindly give the age, color, and sex of the animal, stating symptoms accurately, and how long standing, and what treatment, if any, has been resorted to. All replies through this column are free. In order to receive a prompt reply, all letters for this Department should give the inquirer's postoffice, should be signed with full name and should be addressed to the Veterinary Department, The Kansas Farmer, Topeka, Kans.

Azoturia.

Azoturia is a disease occurring in the most serviceable horses, those that are doing the hardest work, and often in those having the best appetites and in good condition.

It is a very common disease and yet one with which horse owners in general are not familiar. Englishmen sometimes call it "Monday morning disease," because of its frequent occurrence on the first working day of the week.

Practically the same symptoms accompany every attack of azoturia. An animal has been doing steady, hard work, either, driving, plowing or hauling heavy loads; it has been well fed and cared for; because of a storm, a breakdown, or a holiday, there has been a day of rest. The feed, especially the grain, has been given in the usual quantity, and often increased, the owner taking advantage of the rest, and hoping by doing this to add more flesh to his horse.

The following morning the horse feels exceptionally well, and for a fraction of a mile is very high-spirited; by this time it will probably become lame in one hind limb, breaking out in a profuse sweat, trembling as though in a chill, and beginning to show signs of fatigue. If he urinates at this time, the water will be coffee-colored and very thick, like syrup. If a driver is familiar with azoturia, these symptoms should be sufficient for him to recognize the trouble; but, too frequently, this condition is unnoticed, or unheeded, and the animal is driven until both quarters are involved and it falls in the harness. Of course, some attacks may vary from the one just described and the symptoms become changed as different groups of muscles are involved, but the history will invariably fit this outline.

Azoturia is one of the numerous diseases that result from the improper care of horses. It occurs from an attempt to take too good care rather than the usual fault of neglect.

The observance of a few simple rules should prevent the occurrence of the disease, unless the exceptional cases, and in these the fatality can be decidedly reduced if recognized at the beginning of an attack.

The most important factor in the prevention of azoturia is the item of feeding. A very good practice carried out by a great many stable men in the cities, especially those in charge of large numbers of work horses, is to feed, on Saturday night, bran mashes and the ordinary feed of hay only. Sunday the feeds are as regular as usual, but are cut just one-half.

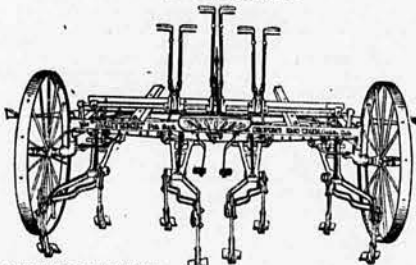
Horses should not stand in the stall all day Sunday, but should receive a good grooming and be turned out to roll and exercise at will. The man on the farm always has this advantage, while the city man is usually crowded for room.

As soon as an animal is believed to be suffering from azoturia, it should be unharnessed and covered with blankets. Except in extremely cold weather, the horse should not be moved, but should be allowed to stand and sweat so as to eliminate as much of the waste products as possible. It is advisable in an hour or two to slowly lead the animal to the nearest place of shelter and there to have it treated for a day or so before attempting to take it home.

With as good a start as this a veterinarian should be able to save more than ninety per cent of his azoturia patients, while, as conditions now exist, he is fortunate if he saves more than twenty-five or thirty per cent. —H. E. Kingman, Colorado Agricultural College, Fort Collins, Colo.

A little extra care and a little extra shelter for the hogs at this time of year will make money for the owner. Look after the sows and be careful of the pigs and both will pay you good interest on your investment.

CULTIVATORS THAT CULTIVATE



"BEATRICE" 2-ROW
"LITTLE BEATRICE" 1-ROW
SHOVELS AND DISC ATTACHMENT

Balanced FRAME, PIVOT AXLE, Positive EQUALIZER, DUST-PROOF BOXES and DISC-BEARINGS, SHIFTING-DEVICE with largest possible range, LEVERS so handy, BEST MATERIAL and FINISH, REASONABLE PRICE. ASK YOUR DEALER or write us for BOOKLET and PRICE. BEATRICE IRON WORKS
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BEATRICE, NEB

Good Reliable Men

Wanted to sell Road Drags. Our Drags are constructed on sound and reasonable principles, and have points of advantage that would seem unreasonable only to those, who have given the matter a great deal of thought. There is side draft, flexibility, alignment, soil condition, draft, convenience in handling, durability and numerous other things to be taken into consideration. We want a good, practical man in each locality to learn our Drag and its many good points. Men who want good roads and men who want to make money. We have the article: the public wants good roads; do you want the money? If you do get with us by return mail. We manufacture Road Drags, Street Sweepers, and Automobiles. Yours for better roads. E. B. Winters, Coffeyville, Kansas.

Harrow While You Plow

—and get 50 per cent better crops at half the cost. The Racine Rotary Harrow Attachment follows the furrow and cuts, packs and smooths the soil, making perfect seed-bed. Illustrated booklet—sent free—tells all facts about this big labor-saver. Write today.

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IS THE PLACE FOR YOU

TOWER'S FISH BRAND WATERPROOF OILED CLOTHING

IS IDEAL FOR ROUGH AND READY WEAR IN THE WETTEST WEATHER. IT WILL KEEP YOU DRY AND COMFORTABLE AND GIVE LONG SERVICE.

SUITS \$3.00 SLICKERS \$3.00
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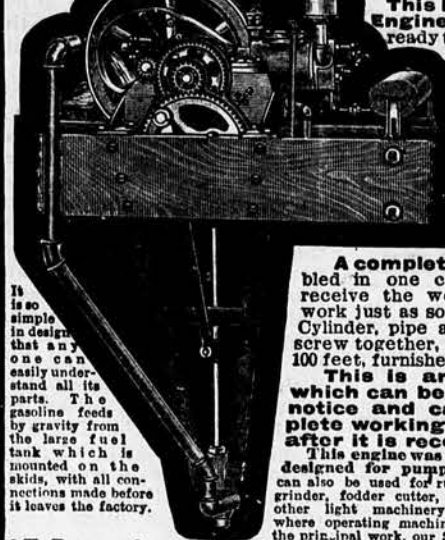
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TOWER CANADIAN CO., LTD. TORONTO.

GASOLINE PUMPING ENGINE

A Special Machine for a Special Purpose

This is the Engine for Pumping Large Quantities of Water for Watering Stock, Irrigating, Draining, Pumping out Mines, Quarries, Excavations or other places where a compact, powerful and low priced pumping outfit is wanted.



This Back-Geared Pumping Engine with Stuffing Box, as shown, ready to receive pipe connections, and capable of raising 260 barrels of water per hour to an elevation of 25 feet, 66 barrels to an elevation of 100 feet, or proportionate quantities to any height. F. O. B. Chicago

\$100

A complete pumping outfit assembled in one compact machine ready to receive the well connections and go to work just as soon as they can be attached. Cylinder, pipe and rod all fitted ready to screw together, for any lift from 25 feet to 100 feet, furnished for \$45.

This is an emergency outfit which can be shipped on an hour's notice and can be set up in complete working order within an hour after it is received.

This engine was specially designed for pumping. It can also be used for running a grinder, fodder cutter, saw or other light machinery; but, where operating machinery is the principal work, our \$75.00 2-H. P. general purpose engine with fluted cooler is cheaper and more suitable. Larger sizes at proportionately low prices.

If you need a small engine to operate "any old hand pump" our \$37.50 pumping engine is just the thing.

Remember that these engines are manufactured by the company which made the steel windmill business. Thousands of these engines are in use.

AERMOTOR CO., 2508 12th St., CHICAGO

SEED CORN 153 BU. ACRE

Diamond Joe's Big White—A strictly new variety. None like it. It is the Earliest and Best Big White Corn in the World—Because it was bred for most Big Bushels, not fancy show points; because grown from thoroughly bred inherited stock; every stalk bears one or more good ears, because scientifically handled, thoroughly dried and properly cured and had the most rigid examination. Big Seed Catalog FREE. It tells about all best farm, grass, garden and flower seeds grown. Write for it today.

Address. **RATEKIN'S SEED HOUSE, Shenandoah, Iowa.**

FROM FACTORY TO USER

The Perfection is guaranteed to be the best cleaner, separator and grader on the market. Mr. F. D. Coburn, secretary of the Kansas State Board of Agriculture, says of this machine: "It is nearer perfection than anything of the kind I have ever seen, and far more so than I had supposed possible. I couldn't have believed it without seeing it." Heretofore the jobber has handled this machine. We now propose to sell it direct to the user, thus cutting out the profits of the middleman. Write us for particulars.

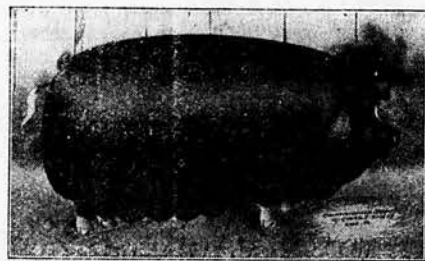
THE JENSEN MFG. CO., TOPEKA KAN.

Closing Out Sale of Big Type Poland Chinas

THURSDAY, MARCH 17

At farm one mile from Leonardville and 14 miles east of Clay Center, Kansas.

40 head in all consisting of 15 tried sows, yearling spring gilts, and a few fall pigs both sexes. Among the tried sows are many carrying the blood of the noted big boar, Tecumseh Shortstop, formerly owned by R. H. Wheeler of Lawrence, Kan.



Among others Lady Whiteface (83539) by Victor's Rival 33817, Jessie A. and Jessie B., both sired by Trott 32683; their dam was Lady Jessie by Model Boy 56484, etc., all families that have made good in my herd during the fifteen years that I have been a breeder. About 35 head of sows and gilts will be in pig for April farrow to my herd boars. Modest Joe by Hutch Corwin and Courtier 2d by Courtier. These young boars are also included in the sale. For catalog giving all information write me at Leonardville, Kan., mentioning Kansas Farmer. Send bids to Jesse Johnson in my care.

Jas. T. McCulloch, Auctioneer.

O. M. STEWART,
Leonardville, - - Kansas

KANSAS LAND

FINE IMPROVED 160, 5 miles out, \$5,700.
Terms, L. E. Thompson, Norwich, Kan.

FOR SALE.

300 of the best farms in northeast Kansas. We also make a specialty of selling Woodstock Co. lands; have many bargains. Write for price list to

MANVILLE & BAILEY

Holton, Jackson Co., Kansas.

HARPER COUNTY.

Home of corn, alfalfa and wheat. Lands \$25 to \$75 per acre, that would be cheap at twice the money. Values advancing rapidly. Now is the time to buy. Descriptions and full information free.

HEACOCK REALTY CO.

Anthony, Kansas.

NESS COUNTY LAND.

\$4,000 will buy a quarter section of fine smooth land, 1/4 mile from center of Ness City, all fenced and in cultivation. Fifty acres in wheat. Other good corn, alfalfa and wheat land at \$15 to \$35 per acre. Write for information.

J. C. Lohnes & Son, Ness City, Kan.

HELLO, FARMERS!

Have you read my list of GREENWOOD CO. FARMS? The best corn, alfalfa, clover, cattle and hog country in the west. Fine blue stem pastures. Write for list and prices to

P. D. Stoughton, Madison, Kan.

IMPROVED FARMS.

\$35 to \$50. Producing immense crops corn wheat and alfalfa. Nearly every farmer has 10 to 100 acres alfalfa. Fruits of all kinds and vegetables do well. List free.

W. C. ALFORD,

The Pioneer Real Estate Agent,
Hazelton, Kansas.

FINE HOG FARM.

160 acres, 25 alfalfa, 20 pasture, splendidly located, well improved, running water, deep black soil, splendid neighborhood, \$60. Liberal terms. 150 other farms. List and literature free to buyers.

BRADSHAW & MOTT,

111 N. Topeka, Wichita, Kan.

FOR HOMESSEKER OR INVESTOR.

Kiowa and Cavalry Creek Valleys, Comanche County, Kansas. Alfalfa land \$20 to \$35; rapidly advancing. Great opportunities for homesseker or investor. Write for our large list of bargains, mailed free and postpaid.

PIONEER REALTY CO., Protection, Kan.

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, Kan.

BEST FARM IN KANSAS.

560 acres bottom valley land, all smooth, fine, black sandy loam, no waste land, small orchard, 30 acres fine alfalfa land, new 10 room house, hot and cold water, lighted with acetylene gas, bath and toilet, 500-barrel cistern, sewer system, R. F. D., telephone, 5 1/2 miles to two railroad towns. Price \$65 per acre. For further particulars write

Neal A. Pickett, Arkansas City, Kan.

FOR SALE.

I offer a special bargain this week in a half section of smooth land, 1 1/2 miles from Colby, Kansas, the county seat, all broke out and seeded to winter wheat, in good season, all the wheat to go with the land. This wheat crop will go a long way toward paying for the land. Price \$25 per acre. It will pay you to investigate this by writing the owner.

IKE W. CRUMLY,

Colby, Kansas.

WHO WANTS THIS?—240 a., 165 a. in cultivation, of which 135 a. is creek bottom, 70 a. in alfalfa, 10 a. timber, 2 a. orchard, 2 modern houses, one 10 rooms, other 4 rooms; barn to hold 14 head of stock, 15 tons hay, smoke house, granaries, cribs, gas engine, saw and grinder, everything is in first class condition, 1/2 mile school, 1 to church, 4 of good town, 10 miles Cottonwood Falls, 13 miles Emporia, R. F. D. and telephone. Write for price and lists, A. J. Klotz & Co., Cottonwood Falls, Kan.

PRICED TOO CHEAP

at \$35.00 per acre, but the owner, who has rented it for a number of years, has moved to Wichita and cannot look after it; 160 acres in Cowley Co., 5 miles from R. R. town, good roads, 1 mile from inland town with church and school; all smooth, level land without a rock or foot of waste; fenced and cross fenced; 80 acres in cultivation, 5 acres hog lot, balance pasture, small orchard, fair improvements, telephone and R. F. D., alfalfa land, 5 to 20 feet to water. If you are looking for a good cheap farm, don't let this get away. \$2,100 will handle.

Sharp Realty Co., Wichita, Kan.

EASTERN KANSAS FARM BARGAINS.

160 acres Dickinson county, near Solomon and Abilene, guaranteed perfectly smooth rich land, 7 room house, barn 28x48, 82 a. wheat, one-third to purchaser, \$12,000; 160 a., 17 miles Topeka, 5 mi. town, 40 a. clover all in cult., good 6-room house, barn 48 by 60, extra fine farm, only \$9,000; 80 a., 11 mi. Topeka, 75 a. in cultivation, no waste land, new 5-room house, small barn, spring water, \$5,000. Write for list stating what you want, as we make specialty of selling farms worth the money.

Wingett Land Co., Stormont Bldg., 109 West 6th, Topeka, Kan. A. J. White, Farm Salesman.

AN IDEAL FARM FOR SALE.

Kansas farm of 300 acres, adjoining a flourishing railroad town, forty miles west of St. Joseph, Mo. The soil naturally rich has been made more fertile by twenty years of judicious crop rotation and by the liberal application of manure; well watered, fine walnut timber, finest blue grass pastures, alfalfa, timothy and clover meadows; finest corn and wheat land; well fenced; hay, cattle and horse barn for a large amount of live stock; large silo, water tanks, granary, fine mill, etc. A model stock or grain farm, ready for use. An excellent opportunity. For complete information address K. 225, care Kansas Farmer, Topeka, Kan.

Spring Wheat in Kansas.

Reports are coming in to the effect that the wheat in many sections of the state has been damaged or destroyed by freezing and heaving, though the ice cap may have done damage as well. The injury seems to be greatest in the black, heavy soil of the central part of the state, and on lands where the seed-bed was but poorly prepared though it is doubtful if the extent of the damage can yet be determined.

It has been found that early sown wheat, which had time to become well rooted or that which was sown upon a well prepared seed-bed, has not suffered seriously. This condition has raised the question in the minds of a number of farmers as to whether they should not sow spring wheat. There was a time in this state when spring wheat was quite extensively grown, but this was long ago and there is very little of it now. Repeated tests have shown that spring wheat is not generally a success in this state, though it may be that some of the hard, red varieties like Fife would succeed, especially if northern grown seed from the Dakotas, or other like territory, were used.

The Durum or Macaroni wheats are of spring varieties, but have been experimented with in this state largely for the purpose of converting them into fall or winter varieties. They give a larger yield than most of the common kinds, but do not seem to command a market unless shipped out of the state. If it is desired to experiment with spring wheat, the sowing should be done early, as experience teaches that a very much larger yield, as well as a sure maturity of the crop, follow early seeding.

Those wheat fields which are not too seriously damaged may be helped or possibly saved by being rolled as soon as the ground is in condition. This settles the soil around the roots, and gives the enfeebled plants a chance to recover and helps strong ones. It is possible that the farmers of the state will draw a lesson from this season's experience, as it is clearly shown that even in those sections of the state where the greatest damage has occurred from freezing and heaving, the wheat sown on well prepared seed beds has been but little injured.

The Corn Ear Worm.

"The corn ear worm has cost Kansas corn growers five and one-half million dollars during the last two years," is the conclusion announced by Prof. T. J. Headlee of the Agricultural College in a circular now about ready for mailing. Professor Headlee has been studying this well known insect for the past two years and while his experiments are not yet complete, they have proceeded far enough to show how at least 40 per cent of the damage can be avoided. In order that Kansas corn growers may use this information at once, he has prepared a brief statement of the methods to be used and the reasons underlying them in Circular No. 7 of the Experiment Station. This and the bulletin, which is to follow, may be had for the asking.

The corn ear worm passes the winter mainly in the soil of infested cornfields snugly stowed away in its burrow about three inches below the surface. Here it stays until the new corn is well up and ready to serve it for food. From the time of its emergence until cold weather the following fall, it passes through three full generations and a partial fourth. It feeds upon the corn plant throughout the summer, and ceases only when the ears ripen and become too hard. Each brood until the fourth is composed of immensely more individuals and does correspondingly more harm than the preceding one. It may be destroyed in this overwintering stage by late fall or early winter plowing, or early disking followed by the plow. This method alone will not prove worth while unless all the corn growers in a large community adopt it because the corn ear worm moth is a strong flyer and readily passes from unsatisfactory fields to those more to its liking.

Early planting has been shown to reduce both the percentage of ears infested and the percentage of grain destroyed on infested ears. This is the case because the early planted corn passes the most attractive stage—"silking"—before the mass of the third and most injurious brood has appeared, while the late planted corn is in its most attractive stage when this brood is in "full swing."

If the individual farmer plants his corn on uninfested soil as early as possible and avoids the setback from cold

KANSAS

IF YOU

The right land, at the right price, in write right now to
H. D. HUGHES,

WRITE FOR FREE 61 page list of corn, wheat and alfalfa farms and colored state map. Write today. Briney, Pauts & Danford, Abilene, Kan.

CHOICE KANSAS FARMS in Smoky Valley, Saline and McPherson counties, where you can raise alfalfa, corn and wheat with profit. Write for information and list.
David Bachman, Lindsborg, Kan.

EASTERN KANSAS BARGAINS.

1. 320 a. well improved, near town, \$45 a.
2.—160 a. good improvements, close in, \$45 a.
3.—160 a. finely improved, \$9,000, 1.162 a. great ranch finely improved, easy payments, \$28 a. Write for list.

JOHN TAGGART & SON,

White City, Kansas.

BARGAIN.

Hotel, 12 rooms, well located in Winfield, 10,000 population, 2 story brick building, \$2,500, and will furnish a year's lease on it for \$25.00 a month. 80 acres improved, 3 1/2 miles Winfield, \$4,500. New list free.

WOOD & SMITH, Winfield, Kan.

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.

Frizell & Ely, Larned, Kan.

RENO COUNTY FARM—320 acres, highly improved, fine new house with gas and water in, sandy loam soil, best kind corn and wheat land; price \$4,000. Other bargains.

W. W. BARRETT,

Sterling, Kansas.

240 ACRES.

80 alfalfa, 60 wheat, 25 winter oats, well fenced, 80 acres woven wire, good 7-room house, stable, windmill, fine water, 4 miles railroad town. Splendid home and money-maker. Price \$15,000.

IKERD & GREEN,

Kiowa, Kansas.

160 ACRES.

small improvements, good sandy loam soil, 3 1/2 miles from market, 1/2 mile school, telephone, R. F. D. and church facilities. Price \$6,500. Good terms. I have one or two other special bargains.

Ed. Boots, Pres. Isabel State Bank, Isabel,

Kansas.

240 ACRES VALLEY LAND.

Good improvements, near school, 4 miles town, several acres orchard, fine grove forest trees, water at 12 to 30 feet, \$30 per acre. Good terms. Big list and booklet free. **PARK H. THORNTON,** Coldwater, Kansas.

BARGAIN.

Improved 1/4 section level farm land, 1/4 mi. P. O. and school, 250 a. in cultivation, 100 a. wheat, 1-3 crop goes with place. Price \$30 a.; make very reasonable and long time terms. **W. B. GRIMES, Owner,** Ashland, Kan.

ALFALFA FARM.

160 acres, 70 alfalfa, 3 miles of Saxman, Rice county, 8 room house, large barn, R. F. D., near school, telephone, complete system of waterworks, splendid improvements, 3 miles woven wire fence. Price \$14,500; terms; write.

NODURET & TORREY, Lyons, Kan.

INVESTORS.

480 acres, guaranteed, good, dark, corn, wheat and alfalfa land, 1 1/2 mile from good railroad market, 1/2 mile to school, telephone, rural delivery. Plat and detailed information free. Only \$23,000.

C. A. Babcock, Harper, Kan.

200 ACRES in Marshall County, Kan., three-fourths mile from town, 100 acres in second bottom land, 150 acres in cultivation, balance pasture, 7-room house, cellar, small barn, cattle shed, hog house, orchard, well and windmill. A bargain at \$90 per acre. Good terms.

Summerfield Realty Co., Summerfield, Kan.

OTTAWA COUNTY FARMS.

In the famous Solomon Valley, where corn and alfalfa make money for the farmers every year. We sell these lands at reasonable prices on good terms. Write for full information.

McMillan Loan & Realty Co.,

Minneapolis, Kan.

BUY WESTERN KANSAS LAND.

Should you want to buy any Western Kansas land for speculation or for a home, don't fail to write me. I am selling land throughout all counties in Western Kansas. I am myself farming extensively on the kind of land I offer for sale. I can sell you land that will make you money. Write me at once for prices. Address

Eugene Williams, Minneapolis, Kan.

EVERY MAN IS ENTITLED TO A SLICE

OF THIS GOOD OLD EARTH.

Some Are Getting It; Some Are Not. Are you one that is not? You can get a slice from \$10 to \$20 per acre in the wheat belt where they have fine soil, fine climate and plenty of water. If you will write **TEED & ORBISON,** Jetmore, Kan., for their list of farm lands. They have something good.

SOME FARM SNAPS—210 acres, 2 1/2 miles from town, fair improvements, 100 acres wheat, near school, practically all tillable; price \$55 an acre. 160 acres finely improved, good buildings, close to Wichita and one that will advance rapidly; price \$75. 160 acres near Wichita, fair improvements, a real bargain, plenty of alfalfa, on main road, price \$80 an acre. Talk it over with **Howard, the Land Man,** Room 15, Turner Bldg., Wichita, Kan.

weather, he may expect to escape about 40 per cent of the damage usually suffered by late planted corn even though his neighbors do not follow his example.—**J. H. Miller,** Kansas State Agricultural College.

FREE LIST

Dickinson county corn, wheat and alfalfa farms. Write today.
Baumgarth & LaPort, Abilene, Kan.

FOR FREE INFORMATION

about Clark county and large lists of lands at \$20.00 to \$40.00 per acre, write **McFarland Realty Co.,** Ashland, Kan.

MARION, MORRIS AND DICKINSON

county, Kansas, lands. Bargains in improved farms at prices ranging from \$45 to \$80 per acre. Write for big list.

T. C. COOK, Lost Springs, Kan.

FORD AND NESS COUNTY

wheat, corn and alfalfa land, \$15.00 to \$30.00, tracts to suit; liberal terms. Big investment opportunity, great chance for homeseekers. Also Pratt county land. Write for further information.

I. L. Chinn & Co., Coats, Kan.

MONTGOMERY COUNTY LANDS.

Montgomery county is second in population and 5th in wealth in Kansas. Write for list of choice farm bargains and prices.

W. J. Brown & Co., Independence, Kan.

BARGAINS FOR QUICK SALE

In Clay county farms, in well improved 80 and 160 acre tracts, for January and February. Write for my list. "There's a place for Everybody."

George E. Bigler, Clay Center, Kan.

NESS COUNTY, KANSAS, LAND.

Good soil as any in the state at \$10 to \$15 per acre, well improved land \$15 to \$25 per acre. Partly rough at \$6 to \$8 per acre. Come before the new railroad gets here or write

J. G. COLLINS, Ness City, Kan.

EASTERN KANSAS LAND

where corn, wheat, clover and timothy grow to perfection, \$40.00 to \$60.00 acre. This section has never been boomed and has been overlooked. Best "buys" in Kansas. List and descriptive literature free.

F. C. BRACKNEY, Burlingame, Kan.

HUTCHINSON, KANSAS.

160 acres black, splendid corn land, 120 under plow, 40 pasture, fine maple grove, orchard, extra good improvements, all bottom land, 3 miles town, Reno Co. A beautiful farm for \$12,000; terms. Get full description. **Smith & Glenn, Over McBurney's.**

WHEAT, CORN, ALFALFA AND OATS produce mammoth crops in Barber Co., Kan., adjoining the famous Alfalfa county, Oklahoma. I have many good farms and ranches for sale at less than their actual value. Write for full information.

J. M. MILLER, Kiowa, Kan.

MARION COUNTY RANCH.

1,800 acres, 4 miles railroad town, 600 corn and alfalfa bottom land, balance fine pasture, splendid modern improvements, watered. Unquestionably a bargain at \$75,000. Liberal terms. Other bargains.

FULKERSON & BURCHFIELD,

Florence, Kansas.

SHARON COUNTY ALFALFA LANDS.

Choice corn and alfalfa farms for sale in Barber county, Kansas. Crop failure unknown. Write for particulars and list. Address

WILLIAM PALMER, Kansas.

GREENWOOD COUNTY STOCK FARM.

Nicely improved 480 acres, 180 under plow, 225 slightly rolling pasture, balance nice level meadow. Price \$15,000. Will carry \$8,000 at 6 per cent. Send for free list and descriptive literature.

STAR REAL ESTATE AGENCY,

Gridley, Kansas.

ACT QUICK.

Owner wants to sell great combination farm. Good buildings, rich bottom, well set pasture, splendid shade, unfailing water, springs, good timber, lots, alfalfa, six miles Winfield, telephone, R. F. D., everything you want. Price \$40 per acre.

Franks, Page & Harris, Winfield, Kan.

For Prices

On Greenwood land write **G. E. Jackson** Land Co., Eureka, Kan.

BUTLER COUNTY, KAN.

Do you want to buy a farm? Send for our list of farms for sale in the best county in state. Make early selections before prices go higher.

WHITEWATER LAND & LOAN CO., Whitewater, Kansas.

LANE COUNTY KANSAS

Offers bargains in wheat and alfalfa ranches at \$10 to \$20 per acre. Write for my price list and investigate at once.

WARREN V. YOUNG, Dighton, Kansas.

SEIM-WICK COUNTY FARM BARGAINS.

160 acre farm, all level, black soil, no waste land, corn, wheat and alfalfa land; 90 acres in cultivation, 70 acres in native grass, fenced with hedge and wire and cross fenced; one of the best producing farms in the county; only 15 miles from Wichita and 4 miles from a good grain shipping point with two elevators and two railroads. Possession given at once. For quick sale, \$55 per acre.

Realty Realty Co., Opp. P. O., Wichita, Kan.

OKLAHOMA LAND

FOR FREE INFORMATION about Beckham county, Okla., land at \$3,000 to \$6,000 a quarter, write to or call on E. A. HOLMES, Real Estate, Erick, Okla.

WASHITA VALLEY LANDS.

From \$10 to \$60 per acre offer great opportunities for investment. They are well located near railroads, towns, churches and schools. Write for further information. JOSEPH F. LOCKE LAND & LOAN CO., Wynnewood, Oklahoma.

MAJOR CO., OKLA. FARMS.

No. 508. 160-acre farm in Major County, Okla., 6 miles from railroad, 120 acres under fence, 140 acres plow land. Price \$2,500. Would exchange for town property. WILL J. GRAVES, Fairview, Okla.

480 ACRE FARM.

Five miles from Medford, the county seat, this farm is in a good state of cultivation and if sold at once 1-3 of crops will go with the place. Price \$42,500 per acre. Come quick. J. H. FUSS & COMPANY, Medford, Okla.

CORN AND ALFALFA LANDS

In Canadian county, the cream of Oklahoma; a place where good crops and prosperity reign supreme. Write today for prices and information. NEW STATE REALTY CO., El Reno, Oklahoma.

BECKHAM COUNTY, OKLA.

160 acres, 3 miles Doxey, railroad town, house, barn, 100 in cultivation, 700 peach and apple trees four years old, 140 tillable, \$3,000. Terms. Other farms. Will sell at extremely reasonable prices. SECURITY INV. CO., Mangum, Oklahoma.

FINE ALFALFA FARM.

480 acres, rich, alluvial valley soil, 260 under plow, 25 alfalfa, fair improvements, living water, good well, 7 miles railroad, \$35.00 per acre. Terms. Many other snaps. W. C. ATKINSON, Gotebo, Oklahoma.

REAL ESTATE BROKERS.

Mangum, Okla. Lands that produce big crops of cotton, alfalfa, corn, wheat and all other staples at very reasonable prices. Write for free list of bargains. McMILLAN & LANFORD, Mangum, Oklahoma.

ALFALFA RANCH, KIOWA COUNTY.

160 acres, dark loam, valley land, sub-irrigated, 10 ft. to water, 2 miles good town; all tillable, 130 cultivation, 25 alfalfa, fenced, well, good buildings, clear. Price \$6,250; \$1,250 cash, balance easy terms. Other farms. H. H. ANDERSON, Gotebo, Oklahoma.

IMPROVED FARMS.

180 acres, 140 in cultivation, good 9 room house, barn 45x65, tool shed and granary, 40x40, orchard, telephone, R. F. D., near school 4 miles of county seat, price \$9,000. Write. J. T. RAGAN, Vinita, Oklahoma.

McLEAN COUNTY.

Timber and prairie lands, \$10 to \$50 acre, mostly on good terms. Lands have never been boomed; will undoubtedly double in value soon. For a good investment or speculation write us. BYARS REAL ESTATE CO., Byars, Oklahoma.

OKLAHOMA LAND.

Where corn, wheat, alfalfa and cotton are making the farmers rich. We specialize on Oklahoma, Cleveland, Logan and Washita counties. Fine alfalfa lands, \$30 and upward. Write for list and printed matter, mailed free. We also lead all in Oklahoma City property. FARM & HOME INV. CO., Culbertson Bldg., Oklahoma City, Okla.

OKLAHOMA FOR HEALTH AND WEALTH.

320 acres, 7 miles from Texola, Okla., R. F. D., school 1/4 mile, 200 acres lies nearly level and all tillable, 140 acres under cultivation, 120 acres fine pasture land, supplied with plenty of living water and good grass. Has small house, sheds and out-buildings. Well and windmill. If you want a farm where you can raise good crops and keep a bunch of stock, you should see this one. A farm and ranch combined, \$2,500, on liberal terms. Send for our catalog. Texas-Oklahoma Realty Co., Texola, Okla.

SNAPS IN GRANT CO., OKLAHOMA.

1/4 section, 2 miles of Medford (county seat), 1-4 deeded and 1-4 school land, 185 a. in cultivation, 110 a. in wheat, 25 a. fine alfalfa, balance pasture, 6 room house, barn 66x60, granary for 3,000 bu., 2 good wells about 20 ft., also mill, 1 mile to school and good high school in town, creek bottom, deep black loose soil, 1/4 all crops in granary and possession next Aug. 1. Price until April 1, 1910, \$11,500. BATTEN REALTY CO., Medford, Oklahoma.

560 ACRES of bottom land, 6 miles from Cold Springs and 10 miles from Roosevelt, both railroad towns in Kiowa, Okla., 160 acres in alfalfa, all under fence, most of it hog fence, good improvements, living water, very best of corn and alfalfa land. Price \$32,500. Write for free list of lands in Oklahoma. JENKINS & MAJOR REAL ESTATE CO., Chickasha, Oklahoma.

FINE SECOND BOTTOM FARM

360 acres fine second bottom, practically all in cultivation; 3 miles from railroad town; three sets of buildings, telephone, rural mail; school in one corner; this land will raise 75 bushels of corn or a bale of cotton to the acre. Price \$55 per acre; terms on part. R. B. BEARD, First State Bank, Muskogee, Okla.

"HOUGH SELLS THE EARTH."

In Caddo county, fertile, rich, cheap. Send 10 cents in stamps for handsome colored county map of Oklahoma, circulars and list. Letters answered in German or English. W. R. Hough, Apache, Okla.

The Telephone on the Farm.

Little did our friend Alexander Graham Bell think that in the short period of 35 years his invention, the telephone, would be used so universally as it is in the present day. To understand the extensive use of the telephone on the farm, one has but to look at the miles and miles of wire that can be seen on every highway. This is the work of but a few recent years, for up to within a short time ago the entire telephone service was confined to the cities, thus eliminating the small towns and the rural districts on account of the excessive cost of service. Not so today. As soon as the patents expired on the equipment controlled by the early inventors, other patents were taken out and today anyone can buy the telephone and build his own line which makes the rural service possible.

The rural telephone service in Kansas is a large and progressive business which is growing rapidly. The government report of the telephone industry in Kansas gives one thousand two hundred Independent Telephone Exchanges with nearly to hundred thousand subscribers, which goes to show that the Kansas farmer is wide awake and will have the conveniences of the day. The man on the farm has seen the many advantages gained by his city brother, and having the same progressive spirit, has demanded the telephone. This is the reason for the many independent, mutual, and co-operative, telephone systems which cover our state with a net work of wire. The benefit of a telephone to many of the farmers at first seemed small as did also the rural delivery which started about the same time. At that time before the free delivery was inaugurated the farmer's mail would accumulate at the nearest post office for a week, and then he would be flooded for days with old news. Later when his mail reached him every day, he found that a convenience soon becomes a necessity and he could not do without it.

Following this step of enlightenment and convenience came the telephone which puts the farmer of today on an equal footing with the remainder of the world. The man on the farm today sees the necessity of telephone communication not only with his next door neighbor, but with the nearest market town and the adjoining cities. He is continually in touch with the grain and produce market and does not need to move a pound of his products until he has them sold at the prevailing price.

In looking over the telephone field we find many kinds of telephone construction with as many kinds of service. The early methods of constructing a line as cheap as possible, and making it a grounded system is fast becoming a thing of the past, for today builders are seeing the mistakes of former days and are now building their lines better and using a full metallic circuit which gives them perfect service. The farmer also realizes the value of good lines in the rural district. He saw the advanced conditions that its adoption would bring him and his family and as a consequence the building of farm lines is growing more extensive every day.

The farmer who has had a telephone for a year or more knows why so many new lines are being built all over the state. This man sees the telephone as a money saving, time saving, labor saving necessity to his farm, which pays him big interest on the money invested for the service. The rural telephone is rapidly being recognized as a necessity. No wide awake farmer will deny that time is money and that the telephone is the greatest time saver on the farm. Thus we see that telephone connection to him is more important than to the city man, because every piece of business meant a trip to town or the neighboring farm, involving a loss of time at every step. Now the successful farmer considers all these points and finds that he can not afford to lose the time when his attention is needed at home. By having the telephone he not only saves time which he can devote to his fields, but when he needs help, the doctor, or wants any business information he has it at his command in a minutes notice. The advantages of the rural telephone are so numerous and valuable that one cannot measure or appreciate their real worth. It brings into the home, new relations and attachments for all connected with the farm and makes farm life as merry as that of the city.—Wm. W. Fagely.

OKLAHOMA LAND

A BARE SNAP.

160 acres adjoining town, all in cultivation, good house, barn, granary, good orchard of all kinds of fruit, fenced and cross fenced. This is one of our best bargains and if you are interested do not delay. Price \$48.50 per acre. (First come, first served.) HUNTER REALTY COMPANY (Est. 1893), ENID, OKLA.

"WE SELL THE EARTH."

Farmers grow wealthy in a short time in Custer and adjoining counties in Oklahoma growing hogs, corn and alfalfa. Farms at from \$30 to \$50 per a. Write us for land list. DULANY & RANDOL, Oklahoma.

CORRESPOND with us about Garfield Co. lands McCarty & Plumley, Enid, Okla.

IF YOU have money to loan on good farm and city security, write John Hankins, Chickasha, Okla.

FREE—Interesting folder describing Alfalfa county, best in Oklahoma. C. Bradley Sons & Co., Cherokee, Okla.

Alfalfa County Farms for sale at less than their actual producing value. Write Hood & McFadden, Cherokee, Okla.

WRITE FOR FREE LIST of Caddo county farms and descriptive literature. Many big bargains. E. C. SCHLITT, Anadarko, Okla.

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

FOR FREE INFORMATION about Lawton and Comanche county lands, \$20 to \$75 per acre, write to or call on BROWN & POWERS, Lawton, Okla.

CADDO CO. FARMS.

Best in Oklahoma for homes or investment. Your address on postal card will bring descriptive list and literature. BALDWIN & GIBBS CO., Anadarko, Oklahoma.

OKLAHOMA FARMS.

Best county for corn, wheat, oats, alfalfa and tame grass. 80 acres \$3,500, 160 acres fair improvements, \$4,000. Write for list of bargains. VOGEL & WOOD, Newkirk, Okla.

A CUSTER COUNTY BARGAIN.

160 acres, 2 miles R. R. station, 80 in cultivation, 65 fenced in pasture, fine water, four-room house. Price \$2,800; easy terms. Many other bargains. New list free. HUGHES & SORTER, Custer City, 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, Oklahoma.

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, Fryer Creek, Okla.

BLAINE COUNTY OKLAHOMA.

320 acres, level, all tillable, all alfalfa land, house, barn, granary, orchard, fenced, 5 miles from 3 railroad towns, 1-3 200 acres growing wheat goes; \$12,800. Easy terms. Own other farms. ED BAKER, Owner, Watonga, Okla.

CADDO COUNTY, OKLAHOMA.

corn, wheat, cotton and alfalfa lands, \$20.00 to \$75.00 per acre, according to improvements and distance from town. Lands are advancing rapidly. Now is the time to buy. Write for full information. J. ELZIA JOHNSON, Hinton, Okla.

BARGAINS.

Chicken and garden farm, 2 1/2 acres, new five room house, new barn and yards, close in Enid property; \$3,000, easy terms. Large seven room house, new, modern, close to school, best residence part of Enid, Okla., \$3,900; terms. TEXAS & OKLAHOMA LAND CO., Enid, Oklahoma.

NOTICE TO RENTERS.

Here is something you may never see advertised again. No. 240-160 acres, 3 miles from good town, 17 mi. from R. R., 152 a. tillable, 85 a. in cultivation, 140 fruit trees, 2 room house, \$2,500. Terms, \$1,000 cash, bal. terms. Write us when you can come. The Grant Investment Co., Thomas, Okla.

GOOD FARM.

160 acres, 6 miles Tecumseh, 80 in cultivation, good buildings, 6 acre orchard, in fine good bearing condition, marketed 1,000 bushels in 1909. Price \$2,500; easy terms. Other farms for sale on small payments and long time. E. J. DICKERSON, Tecumseh, Oklahoma.

WHEAT, OATS, ALFALFA, COTTON. Good lands \$30 to \$60; produce big interest on capital invested. Well located, near thriving and growing city. Prices and descriptions free. Correspondence answered in either German or English. LONE WOLF REAL ESTATE & INVESTMENT CO., Lone Wolf, Oklahoma.

TWO EXCEPTIONAL BARGAINS.

560 acres fine second bottom, above overflow, 3 mi. Wagoner, 175 acres cultivation, 25 acres good timber, balance good grass, all tillable and smooth, at \$35.00 per acre. Adjoins land sold at \$42.50.

160, 3 1/4 S. W. Wagoner, good new 6-room house, fair barn, nice young orchard, 80 acres cultivation, balance good hay meadow at \$35 per acre. Write for information. W. H. LAWRENCE, The Land Man, Wagoner, Okla.

640 ACRES OF DEEDED LAND; 300 acres of this is first class farming land; 400 acres of Indian land, leased and under cultivation; 3,000 acres of first class grazing land (Indian), leased for term of years; excellent water and good grass; very cheap lease. Good two story house of 8 rooms; water in house; hen house, cave, good grain elevator, scales, corals and everything in first class shape, and the farm land is of the richest. Plenty of timber for wood and plenty of shelter for stock, and is an ideal farm and cattle ranch very desirably located; 2 miles to railroad. Steam plows, farming tools, horses and everything in connection with this ranch goes. First Loan & Mortgage Co., Watonga, Okla.

OKLAHOMA LAND

Major County corn, wheat and alfalfa lands. Lowest prices. Best terms. Information free. J. Nile Godfrey, Fairview, Okla.

WASHITA VALLEY LANDS.

Good corn and alfalfa farm four miles Pauls Valley, one mile State Industrial School, 170 acres, 150 under cultivation, 150 acres Washita Valley, 6 room house, above overflow. Electric line soon. Price \$10,000. O. W. JONES, Pauls Valley, Oklahoma.

MISSOURI LAND

NORTH MISSOURI farms for sale and exchange. Home of blue grass, corn and clover. Buckle and state map free. Broyles Land Co., Chillicothe, Mo.

FOR SALE OR EXCHANGE—Corn, clover and blue grass farms in northwest Missouri, stocks of merchandise and city property. C. F. Wikoff, Chillicothe, Mo.

FOR SALE OR EXCHANGE: Farms and stocks of merchandise in Kansas, Missouri and Oklahoma. Write me. FRANK SEELY, 402, Ridge Building, Kansas City, Mo.

SALE OR EXCHANGE: Texas, Missouri, Kansas, Oklahoma farms, stocks, merchandise, for good propositions. Cash considered. Western Land Exchange, 404-5 Ridge Building, Kansas City, Mo.

FOR EXCHANGE OR SALE, Kansas, Missouri, Oklahoma, Texas farms, city property, stocks merchandise for other good propositions. McNeal, 214-15 Finance Bldg., Kansas City, Mo.

920 ACRES PASTURE LAND

Elk county, Kansas, under good wire fence; five miles railroad station, \$20.00 acre, incumbrance \$5,500. Want merchandise in country town for equity. Other exchanges. B. F. Carter, 1216 Commerce Bldg., Kansas City, Mo.

TO EXCHANGE FOR KANSAS FARM.

Suburban grocery stock, will invoice about \$3,000. Will assume some on farm. Residence properties in Kansas City and 20 farms, Kansas and Missouri, ranging from 80 to 400 acres each, to exchange. J. E. REED REALTY CO., 628 N. Y. Life, Kansas City, Mo.

80 ACRES IN JASPER CO., MO.

2 1/4 miles from inland town, 6 miles from R. R. on R. F. D., 1/4 mile to good school, 8 acres of timber fenced for hog pasture. Good 5-room house, good barn, well and spring. Price \$50 per acre. For further particulars write A. C. Stiemmons, Carthage, Missouri.

880 ACRES FINE TIMBER LAND.

Abundant living spring, making ideal ranch; if cleared would be good agricultural; farms adjoining all sides cannot be bought for \$50 per acre; near county seat; price \$75 per acre; no incumbrance; will take some trade. J. H. McQuary Realty Co., 470 Commerce Bldg., Kansas City, Mo.

KANSAS, MISSOURI, ARKANSAS AND OKLAHOMA FARMS

for sale at lowest prices on best terms. Opportunities for either homeseeker or investor unexcelled. If you are either, you should have my new list. It's free. Also some exchange propositions. JOHN A. HARVEY, 613 Century Bldg., Kansas City, Mo.

STOCK FARM SPECIAL.

350 acres, 1/4 mile from station, 50 acres in cultivation, 310 acres pasture, 3 good springs, plenty of good timber, good house and barn, good well, R. F. D., telephone. A fine stock farm. Price \$20.00 per acre, half cash, balance to suit purchaser. Call or write. AURORA REALTY & INVESTMENT CO., Aurora, Missouri.

KANSAS FARM BARGAIN.

160 acres nice, smooth land, 2 1/4 miles city limits of Parsons, Labette county, 5 room house, good barn, 6 acre family orchard, 8 fenced hog tight, 50 prairie meadows, 20 blue grass and blue stem pasture, balance in cultivation, R. F. D. and telephone line; \$50 per acre. Good terms. Also 320 acre stock and grain farm, Linn Co., \$25.00 per acre; easy terms. Other Missouri and Kansas farms.

THE STANDARD LAND CO.

Room 4, Ricksecker Bldg., Kansas City, Mo.

SOUTHERN MISSOURI BARGAIN.

11,000 acres, Shannon county, 4 miles railroad, abundance red oak, white oak and black oak timber; small timber suitable for barrel staves; near stave factory. About 50 per cent tillable, 90 per cent good grass land. Timber on it should pay for land. Finely watered by spring creeks and branches. Much fine pasture now on account of the heavy growth of blue-stem prairie grass in the open timber. Price \$5.00 an acre. Good terms. J. H. LIPSCOMB, 302 Fidelity Trust, Kansas City, Mo.

MISSOURI FARMS.

Why not come to Cass county, Mo., where the blue grass, white clover, red clover and timothy grows in abundance. I have a few good farms for sale only a few miles from Harrisonville, the county seat, one of the very best towns in the state, of two thousand population. We are only forty-five miles due south of Kansas City.

CLARENCE F. GILBERT.

Harrisonville, Cass Co., Missouri.

TEXAS LAND

FREE TRIP TO TEXAS

If you want to take a free trip to the Sunny Pecos Valley of Texas where they cut six crops of alfalfa and raise all kinds of fruits and vegetables, write us for further information
The Heath Company,
Topeka, Kan.

A PARADISE RECLAIMED

15,000 Acres Actually Irrigated in the
BEAUTIFUL PECOS RIVER VALLEY OF TEXAS.
Deep, rich soil. Abundance of water. Delightful climate. Right on Santa Fe Railroad station in center of tract.

DAM, RESERVOIR, CANALS, ALL COMPLETE NOW.

Free water with every acre. Selling fast. Act quick if you want an actually irrigated farm cheap, or an investment that will pay you 50 per cent annually. Excursions and cheap rates first and third Tuesdays of each month.
Most desirable irrigated land and townsites proposition on the market today. Send for interesting booklet. Tells you about it. Good live agents wanted in every locality.

ARNO IRRIGATED LAND CO.,

Topeka,

Kansas.

GOOD RANCH.

3,368 acre ranch, improved, \$5.00 acre. Robertson Co., 7 miles county seat. Adjoining land couldn't be had for twice our price. Would sell part or all. All fine grass and much first class farm land. Detailed description and plat free.

C. A. BABCOCK,

Harper,

Kansas.

NEAR OKLAHOMA.

Seven sections, Wheeler county, Texas—practically all tillable, raises big crops, corn, wheat, kafir, milo maize, broom corn, melons and all staples. Good crops here last year. Goes in section lots; extremely reasonable prices.

CAINE & BINKLEY,

Cotton Dealers and Owners,

Oklahoma City,

Oklahoma.

Colorado Land

CALL OF THE WEST

Why do you rent? Why give the best years of your life working for others? Own your own farm—you can do it on payments less than the rents you are now giving.
BE INDEPENDENT—DO IT NOW.

We have plenty of choice, smooth, fertile lands, such as are now producing from 25 to 45 bushels of wheat per acre and yield abundantly of corn, alfalfa, oats, potatoes and other crops, we can sell you at from \$10 to \$25 per acre on good terms.
Write us at once for information as to the splendid opportunities for investment in lands, both irrigated and irrigable, or choice farming uplands.

These lands are in Logan and Weld counties and the famous Crow Creek Valley.

THE BEST OF NORTHWESTERN COLORADO.

Act now and get the benefit of the rapid rise in values.
Some good homestead lands subject to filing.

THE WESTERN LAND CO.

STERLING,

COLORADO.

Kiowa County, Colo., Land.

12,000 acres of choice wheat land offered in quarters and half sections. On line of Mo. Pac. R. R., close to three good towns.
Prices range from \$5.00 per acre upward.
Write for terms and descriptions.

ALBERT E. KING,

McPherson, Kansas.

DO YOU WANT A HOME?

Buy now in Washington county, Colo., where choice land, with best of soil, can be had; where good farmers raise from 20 to 45 bu. wheat per acre and oats, barley, corn, speltz, potatoes and alfalfa grow abundantly on upland, without irrigation; in a county rapidly settling and being improved by good thrifty farmers. We have many tracts of choice, smooth, fertile farm land, healthful climate and abundance of good water, at prices ranging from \$8 to \$15 per acre. If you are looking for good investments write or see
Vanderhoof & McDonald, Otis, Colo.

\$1 MAKES ANOTHER -- WHERE

In the South Platte Valley, Morgan county, Colo. Money invested in land here will double itself in 3 years. Write for full particulars to

E. E. SEAMAN,

Brush,

Colorado.

MEXICAN LAND

San Juan Co., New Mexico

For sale or exchange for land in the wheat belt of Kansas, 17 acres with fine irrigation, water rights, situated one mile from Farmington. Good 5 room residence, well, cellar, etc. 5 acres set to one year old fruit trees. Price \$3,000, worth \$5,000. Submit propositions at once. General information free.

The Farmington Land &
Investment Co.,
T. J. SKAGGS
FARMINGTON, N. M.

Dalhart Texas is where we are located and we have some land bargains for the buyer. Write for our free, handsomely illustrated book or come to Dalhart and let us show you a country without a fault.

J. N. JOHNSON LAND COMPANY,

Dalhart,

Texas.

Lands \$11.00 Acre.

This week we start the advertisement of T. E. Hale of Solomon, Kan. Mr. Hale has for sale what he considers a real bargain in the shape of a level section located in Logan county, Kansas, slightly improved, with stone already cut for barn and house, also granary for 2,000 bushels of grain. Eleven dollars per acre is the price and \$1,600 cash will buy it. Write at once and mention Kansas Farmer.

John D. Ziller, the farmer seed corn grower of Hiawatha, Kan., whose advertisement appears on another page, writes that he still has a fine line of seed corn, Red Texas oats and grass seeds; also a full line of choice garden seeds in the bulk, at prices any farmer can afford to pay. His motto is: "Live and let live," and nothing is too good for the farmer. Write him at once for his large illustrated catalog. It is full of good common sense and is free. Address The Lawndale Seed Farm, John D. Ziller, Hiawatha, Kan., and mention Kansas Farmer.

This is the slogan used by the Beatrice Iron Works, of Beatrice, Neb., manufacturers of the "Beatrice" 2-row and "Little Beatrice" 1 row cultivators, and judging by the demand and the rapid increase of sales, this saying must be true. Every cultivator in use seems to be an advertiser in itself, and dealers generally have increased their orders over last year's sales. This firm had a display at the Kansas State Fair, at Hutchinson, last fall and were awarded the diploma for superior excellence on both their 1-row and 2-row cultivators.

Bazel J. Meek, of Chillicothe, Mo., well known to readers of the Kansas Farmer, is running an advertisement regularly in this paper. He has a large list of the choicest farms in northwest Missouri, the home of corn, clover and blue-grass. He owns several of these farms himself and it will pay you to get his prices and terms before you buy elsewhere. Look up his advertisement in this issue and write for the state and soil map of Missouri, which he sends free to Kansas Farmer readers. Mr. Meek is thoroughly reliable.

It is easy to build anything from a hog trough to a house, with concrete. The Fredonia Portland Cement Co., Fredonia, Kan., have published a book on cement work, that makes it possible for any man to do the best concrete work, even if wholly inexperienced with cement. You can get this book free simply by writing the company to ask for it. Many books sold for a dollar to five dollars, do not give the practical information, the Fredonia book given for nothing. When buying cement for any purpose, look for this brand on the sack. If your dealer offers some other kind ask for "Grasshopper" brand. Your cement work will be sure to be good if you use this brand. Look up the large Fredonia ad in this issue and write today for their free book.

Farm Gasoline Engines.

A Kansas farmer writes of his experience with an all purpose gasoline engine as follows: "I have no trouble whatever with my 6 H. P. Witte engine. It works like a charm. I run a 25-bushel-per-hour grinder, a grain elevator, 30-inch wood saw and a two-hole corn sheller. All alone I have cut 64 rail-road ties in two hours. I can unload 50 bushels of wheat in 8 minutes and have shelled 887 bushels of corn on my hand-fed sheller with 2 gallons of gasoline. While other engines are having all kinds of trouble, my Witte is running all the time, earning money, instead of costing more, for time lost and repairs. It always starts right off when I want it to go. I simply turn on the gasoline, fill the oil cups and it takes care of itself. I cannot recommend the Witte too highly.—Frank J. Vopat, Wilson, Kan., R. F. D. No. 2." Write Witte Iron Works Co., Box 527, Kansas City, Mo., for catalog of these desirable engines.

The National Nurseries at Lawrence, Kan., of which E. H. Balco is the owner, report a very successful business season this spring. These nurseries are located in one of the most favored spots for such a purpose in the state of Kansas, and with the good management that they have had, and original preservation of their motto of "A square deal for all," they should find each year's patronage growing larger. Mr. Balco states that his advertisement in the Kansas Farmer has been producing very good results. This means that many of our readers have already written to the National Nurseries for their catalog, and have found therein something of interest and value to them. If you will write promptly you will get a catalog back by first mail. It is sure to please you.

The Fredonia Portland Cement.

The materials employed in the manufacture of the "Kansas Grasshopper Brand" of Portland cement are limestone and shale. The bed of limestone from which the supply is obtained is 120 feet in thickness and analyzes very pure. The shale is obtained from a huge mound, about 100 feet high, which is coped with silica sandstone. These materials are mixed in their correct proportion, crushed, dried and ground to a very fine powder. In this state, the material is supposed to be in correct proportion, and in a great many cement plants is led directly to the next stage of manufacture, which is the kiln, in which they are brought into chemical combination by intense heat, which forms the cement. In the Fredonia Portland Cement plant, however, the fine materials are conveyed to large steel tanks with agitators, in which additional mixing is done. Now, before a particle of it has passed to the next stage of manufacture, it is analyzed by a chemist, and not one drop goes through out of proportion. This is the second check which has been made. One analysis on the raw materials as they come from the quarries, and the second one just before it passes to a very important stage of manufacture, the chemical stage, to know absolutely that the materials are in proper proportion in order to fuse into chemical combination of Portland Cement of the highest grade. Any chemist will know that results in chemical manufacture can only be had by absolute accuracy; no "near right" goes if the best results are to be had. The mixture, after passing through the kilns, is known as clinker. It ranges in size from a pea to a hickory nut and is very hard. It is the cement in the rough and only requires grinding to complete the process. Grinding is done at the Fredonia plant on Griffin mills, the only mill which grinds with an action similar to a drugist's mortar and pestle, which action, as is well known, consists of a rubbing and crushing motion combined. The United States government engineers have established a fineness which all cement used by the government must pass, which has been adopted by cement manufacturers in general as a standard and every barrel of "Grasshopper" cement is guaranteed to pass this specification. Send for a nicely illustrated book giving plans and how to use cement. Address Fredonia Cement Co., Fredonia, Kan.

level section located in Logan county, Kan. Cut stone on farm for house and barn, good well; granary for 2,000 bushels of grain. Certainly cheap at \$11.00
T. E. HALE,
Solomon, Kan.

NEBRASKA LAND

PLATTE RIVER VALLEY BARGAINS.
710 acres, fine valley land, all under irrigation ditch, good 8 room house and other improvements, 4 mi. from R. R. station, 10 mi. Co. seat; all fenced, choice land and offered far below actual value at \$30 per acre, for short time only.
320 acre farm, 1 quarter deeded, 1 year school lease, subject to purchase, all choice valley land, 6 mi. from Bridgeport. Some alfalfa and all good alfalfa land, under irrigation. Fair improvements and fruit. Price \$20 per acre, cash. Other attractive propositions in the new Morrill county lands. Write for particulars or see
SCOTT & DAVIS,
Bridgeport, Morrill Co., Neb.

IRRIGATED HOMESTEADS.

In the famous North Platte Valley, where Uncle Sam furnishes the water on ten years time without interest. Crops yield \$25 to \$100 per acre. Homesteads at from \$700 to \$3,500, according to improvements. Deeded land \$75 to \$100 per acre. Free rural mail delivery, telephone and all modern farm conveniences. These lands in splendid settlement of fine homes near town. For particulars write or see
CARPENTER, PLUMMER & MURPHY,
Morrill, Nebraska.

THE BEST HOG FARM

In the west for sale. 80 acres one and one-half miles from Pawnee City, Neb., fenced and cross fenced hog tight, with spring water piped for greatest convenience. Full equipment, buildings, alfalfa and other grasses. I have raised and sold off this farm \$40,000 worth of pure bred hogs during the past seven years, but have decided for various reasons to retire, have already sold stock and the farm is too good to rent. Price \$8,000, write to me and save commissions
JOHN BLAIN,
Pawnee City, Neb.

45 BUSHEL WHEAT LAND.

\$25 PER ACRE.
We own and control 20,000 acres of Cheyenne county, Nebraska's, choicest farm land now on the market. The savest crop yielding county in Nebraska for ten years; alfalfa also a leading crop. Agents for folders and full particulars. Agents wanted everywhere. Write for our proposition at once. Railroad fares refunded if things not as represented.
FUNDINGSLAND & SEVERSON,
Sidney, Nebraska.

BOX BUTTE COUNTY BARGAINS.

296 acre ranch farm, 10 mi. to sta., best in the west, \$5,000 improvements, all good land. Price for quick sale, \$15 per acre.
2,000 a., well improved, 700 a. best hay, 8 miles to good station, all good land. Price \$25 per a. Will consider exchange for some good income property or eastern farm land.
320 a., all level, only 5 mi. to Alliance. Price \$20 per acre, \$160 a., all level and good, 10 mi. to town, only \$12.50 per acre.
Other choice bargains in all sized tracts at \$12.50 to \$22.50 per acre.
DINEEN, RUBENDALL & YOUNG,
Alliance, Nebraska.

TWO SPLENDID FARM BARGAINS.

400 acre farm in Red Willow county, Neb., 2 1/2 miles from McCook, good 8 room house, good barn and other good improvements; 160 acres choice valley alfalfa land, 55 acres now growing; 100 acres bottom and 40 acres upland, cultivated, balance pasture; well watered, some timber and abundance of choice fruit trees, bearing. Actual value of land over \$20,000, but belongs to non-resident, who will take \$16,000 if sold soon—only \$40 per acre. Act quick; don't miss this.
560 acres, 12 miles from McCook, 7 miles from Troyer, Kan.; 400 acres choice smooth farm land, balance good pasture, half cultivated, slight improvements. A splendid bargain at \$16 per acre.
For other snaps in farm and ranch lands write or see
ACKERMAN & STEPHENS,
McCook, Nebraska.

Kimball County, Nebraska.

has excellent farm lands. Produces alfalfa and all kinds of small grain. Prices \$10.00 to \$20.00 per acre. State amount of land wanted.
KIMBALL LAND CO.,
Kimball, Nebraska.

EXCHANGE COLUMN.

FOR EXCHANGE—Farms and city property in various states. List your exchanges with us. Western Investment Co., 406 R. A. Long Bldg., Kansas City, Mo.

FOR EXCHANGE—Missouri and Kansas farms and city property. List free. Est. 20 years. G. W. Clardy Investment Co., 301 Commerce Bldg., Kansas City, Mo.

FOR SALE AND EXCHANGE. Missouri, Kansas, Colorado, Arkansas, Texas lands. List your exchanges with me. Will try to get you a good deal. Describe what you have to offer fully. I will try to match it.
Ronemus, 456 Shedley Bldg., Kansas City, Mo.

BEST 640 acre farm in Missouri, 4 miles Lamar, Barton Co., all rich black prairie land in cultivation, well improved, living stock water, \$65.00 per acre; \$15,000 long time loan. Owner would trade for Mdse. Exchange list free.
C. B. Rhodes Real Estate & Investment Co., 400 Helst Bldg., Kansas City, Mo.

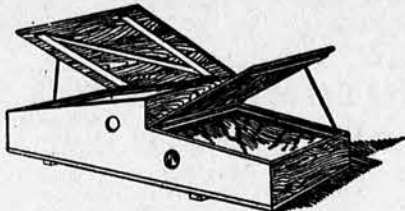
We have selected list good farms to exchange for Mdse. Full information wanted. We'll exchange your property. Let us know what you have and what you want. Good running stocks merchandise to exchange for farms and ranches.
Ernest Lavan Investment Co.,
517-21 Finance Bldg., Kansas City, Mo.

FOR SALE AND EXCHANGE. Kansas and Missouri farms, for city property, stocks, merchandise, and other farms. Describe what you have; will make you a good trade. List your farms for exchange with us. R. E. Woodward Real Estate & Investment Company, 264 N. Y. Life Bldg., Kansas City, Mo.

TO EXCHANGE FOR FARMS.
\$10,000 clothing and furnishing goods.
\$16,000 clothing and furnishing goods.
\$25,000 clothing and furnishing goods.
\$26,000 general merchandise.
\$16,000 general merchandise.
\$12,000 general merchandise.
\$15,000 hardware and groceries.
\$15,000 hardware and building.
G. W. Goldman, N. Y. Life, Kan. City, Mo.

S. L. WYANDOTTES. We have a few more birds for sale. Eggs \$2 for \$15; \$5 for 45. Incubator eggs \$5 per hundred. M. B. Caldwell, Broughton, Kan.

Stevens Fireless Brooder



No oil to buy, no lamp to fill, no thermometer to watch, no chance of suffocation, no chance of FIRE. Ventilation without a draft. Rat, weasel, skunk and water proof. Record under test 113 out of 116. First prize over all others at the Kansas State Poultry Show 1910. Get my booklet. I pay the freight. Address

F. W. STEVENS,
9th and Hillside, Wichita, Kan.

THE right way and time to guard your crops from the ravages of insects or parasites is to get ready long before the need comes.

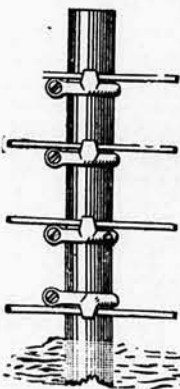
C. T. Reynolds' Paris Green will protect your potato crop from bugs; its a pure, strong, unadulterated green that kills.

Devoe Arsenate of Lead for spraying is the best thing made for the purpose. Comes as a paste, to be dissolved in water; does no harm to foliage; just destroys parasites; a sure thing.

Be sure what you buy;
our name is your guide.

Devoe & Reynolds Co.

Dealers can get goods from these jobbers:
C. D. Smith Drug Co., St. Joseph, Mo.
Alexander Drug Co., Oklahoma City, Okla.
Arnold Drug Co., Topeka, Kan.
John Schoop Drug Co., Fort Smith, Ark.
Southwest Drug Co., Wichita, Kan.
Evans-Smith Drug Co., Kansas City, Mo.



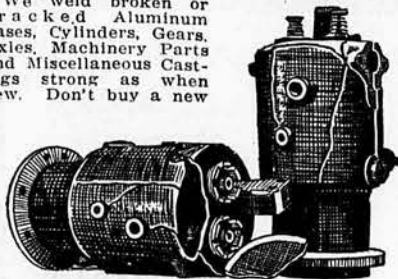
Tubular Fence Posts

5,000 for sale at 22 cents each. Will last several times longer than wood posts, made from iron pipe 2 inches diameter. 7 feet long, fitted with malleable iron clamps that will hold any kind of wire. Write for our post circular.

THE M-K FENCE CO.,
ST. JOSEPH, MO.
816 N. 3rd St.

WELDING

We weld broken or cracked Aluminum Cases, Cylinders, Gears, Axles, Machinery Parts and Miscellaneous Castings strong as when new. Don't buy a new



part: Express your damaged ones to us to be welded.

EVERY WELD GUARANTEED.
AUTOGENOUS WELDING DEVICES CO.
604 East 15th St., Kansas City, Mo.

The Autogenous Welding Device Co., of Kansas City, Mo., operators of the largest welding plant in the west, start an advertisement in this issue of Kansas Farmer. This is of special interest to owners of automobiles, as this company is prepared to render them prompt service. Please read their advertisement and mention Kansas Farmer when you write.

We call attention to the advertisement of the well known firm of J. W. Jenkins Sons Music Co., the largest piano and music dealers in the entire southwest. They have become famous throughout the U. S. because of the Jenkins One Price No Commission plan of selling, which means that each individual buyer is treated the same, one person's money buying as much as another, absolute honor and an exact statement of facts can be your dependency in trading with these people. They are factory distributors for the best pianos, including Steinway, Vose, Weber, Kuntzmann, Gabler and many others. Mention Kansas Farmer when writing.

Prepare to Kill the Gophers.

Much has been done to secure immunity from damage by the gopher pest. Various kinds of traps and poisons have been tested and found more or less successful, and still the gopher remains with us. Early last season, the Ft. Dodge Chemical Company sent a sample box of Gopher Death for distribution among the members of the Shawnee Alfalfa Club who tested it to their satisfaction, and found it to be vastly more convenient than any other form of gopher poison that had yet been recommended to them. Some of the members did not admit that it was any more efficient as a gopher destroyer than was the poisoned corn recommended by Professor Shaffer of the Agricultural College, but all admitted that it was cheaper, more cleanly and more convenient to handle, while it was equally efficient in destroying the gophers. The usual package of Gopher Death consists of a tin can in which are 1400 tablets retailing at \$1.25. It is only necessary to make a hole in the gopher run with a cane or stick drop in one or more pellets, cover the hole up and the Gopher Death does the rest. Write the Ft. Dodge Chemical Co., Ft. Dodge, Ia., for a trial package and kindly mention the Kansas Farmer.

Every Farm Needs this Mill.

Experienced stock raisers are practically unanimous in stating that cattle and horses should be fed ground feed. The bulletins of the Experiment Stations prove that grinding the feed will produce more milk, more beef, more pork, more mutton—and more work from the horse. So it is no longer a question whether you should have a mill or not, but which mill will best do the work. The "Corn Belt" Feed Mill is a strongly built machine. All parts are interchangeable. A system of knife rings in the cutting head of this mill chops up the corn or grain before it goes to the grinding rings, making much less power necessary to run the mill than is required for any other mill of its capacity. On account of the slow speed the feed is not warmed. This mill handles new, sort or spongy corn better and faster than any other mill, the knife and shear reducing giving a fine even grade of work on the corn and cob, with exceeding light draft. The Spartan Manufacturing Co., of Pontiac, Ill., makers of the "Corn Belt" Mill, have such faith in their product that they are willing to place a mill in the hands of a prospective customer for twenty days' free trial, and let him be the sole judge of its merits. Certainly no fairer offer could be made.

The Kansas Supreme Court Decision on the International Harvester Company Case.

The supreme court of Kansas, on February 12, 1910, rendered a final decision in the case brought by the attorney-general against the International Harvester Company of America. The decision condemns the use of exclusive agency contracts, which were in general use prior to 1906, and enjoins the company from using them or compelling its dealers to agree not to sell competitive goods. It also forbids the use of discriminatory terms or prices in favor of any locality or person, or against any competitor for the purpose of suppressing competition. The supreme court does not find that the company's methods of doing business have been injurious to the trade or to competitors, or that its prices have been unreasonable. Therefore, the court, upon the recommendation of the attorney-general, decides that it is not now necessary or expedient to cancel the company's license to do business in the state. The result is that the company can continue to do business in Kansas as heretofore, and will be free from attack or criticism so long as its agents observe the terms of the court's decree and continue to follow strictly the company's policy of fair-dealing towards customers and competitors. As to the \$60,000 additional charter fees which were claimed, the court finds that no further payment is required.

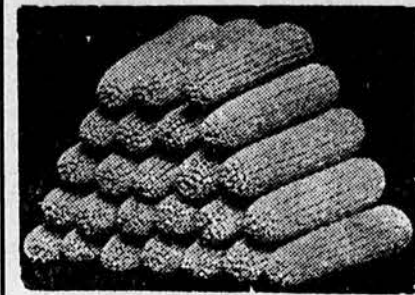
How to Reduce Living Expenses.

Statistics prove that the cost of living has steadily increased, and will continue to increase. At the same time the wage scale has not grown proportionately large enough to offset this. There is but one thing to do when confronted by a situation like this and that is to reduce the cost of living. Economy must be practiced to make ends meet. Many of the little luxuries that have been enjoyed of course can be stopped with slight inconvenience. The real pinch comes when an attempt is made to tamper with the table. The proper amount of food must be eaten. This is the largest household expense and the one turned to naturally when the question of economy is raised. Now the easiest way to make a saving is to use the remains of the roast beef, the chicken or turkey, the shoulder of mutton or many other things that heretofore were thrown away. It is just here that the woman who has an "Enterprise" Meat and Food Chopper in her kitchen is able to run her household economically. It makes possible hundreds of new ways to prepare food. Economizing by skimping the table is not necessary as the chopper reduces waste to a minimum. The "Enterprise" Meat and Food Chopper cuts—not crushes meat, fish, vegetables, fruit or any food that will go through it. Many dishes that housewives have seldom made because of the trouble attached are easily prepared. New ones that they have hesitated to try are now within their reach. A turn or two of the handle and the article is cut—and the advantage over the old time-consuming methods clearly shows it to be a household necessity. "The Enterprising Housekeeper" is a valuable little book containing over two hundred recipes of which every housekeeper should have a copy. The publishers will be glad to mail a copy to any address upon receipt of four cents to pay postage. Address The Enterprise Manufacturing Company of Pa., Dept. 36, Philadelphia.

Stevens Fireless Brooder.
Has a record under test for saving 113 out of 116 chicks. It requires no oil, no thermometer to watch, no possible chance of fire or suffocation. Ventilation without draft. Rat, weasel, skunk and water proof. At the Kansas State Poultry Show held at

Wichita, Kan., the Stevens Fireless Brooder was awarded first premium over all others on exhibition. Write for booklet. Freight prepaid on all orders. Get your orders in early. Write F. W. Stevens, 9th and Hillside Ave., Wichita, Kan. Kindly mention Kansas Farmer when writing.

ZIMMERMAN'S TESTED SEED CORN



READ THE TEST—In a seed corn contest for vitality held at the Farmers' Grange of Shawnee County, Kansas, Feb. 19, my grower submitted 1320 grains taken from 440 ears, 3 grains from each ear, and every grain sprouted—every single one. I handle Boone County White, Golden Beauty, Reed's Yellow Dent, Silver Mine—All thoroughly tested, hand-sorted, tipped, shelled and graded. Bushel \$2.00; two bu. \$3.75; four or more bushels at \$1.80 per bushel. Zimmerman's 80 day—the earliest Yellow Dent corn in the world at \$2.25 per bushel. Remember my Big Seed Catalog sent free for the asking. ZIMMERMAN SEED COMPANY, 625 Quincy St., Topeka, Kan.

for 43 years the standard of quality. Our skilled experts trained in Gov. Seed Laboratory. We furnish everything in seed supplies for Farm, Field and Garden. Write today for free catalog and book on Alfalfa. THE BARTELDES SEED CO., 809 Massachusetts St., Lawrence, Kansas.

ALFALFA SEED

prices and free samples. Address McBeth &

For spring sowing. From locality where it grows best and most abundantly. Our seed won the Gold Medal at the St. Louis World's Fair, in competition with the world. All our seed is native grown, plump and vigorous. Write us today for DALLAS, GARDEN CITY, KANSAS.

THIS IS B. F. SMITH, the old, veteran berryman of Kansas. If you want berry plants write for 1910 price list. B. F. Smith, 1447 Barker Ave., Lawrence, Kansas.

HOME GROWN ALFALFA SEED

Just threshed. Splendid seed. \$10 per bushel. IRVE SNYDER, Englewood, Kansas.

REID'S YELLOW DENT SEED CORN

that will grow. I grow and carefully select every ear of my seed corn. Twenty ears won 2nd place at Nebraska State Show. Single ear won 3rd. Send 25c for sample ear, grains free. Write for prices; they are right. FRANK J. RIST, Humboldt, Nebraska.

PURE BRED SEED CORN.

Johnson County (Indiana) white and yellow Dent Seed Corn; winners Grand Sweepstakes and \$10,000 prizes at Chicago and Omaha National Corn Exposition. Plant the best. Shipped from Indianapolis or direct from Johnson County. We ship shelled only. Price \$2 per bushel, sacks included. Mail your order promptly. J. G. HERMANN & CO., Indianapolis, Ind.

SEEDS! SEEDS! SEEDS!

Seed grain, grass seeds, garden seed, onion sets, seed potatoes, stores at Paola, Kan., and Kansas City, Mo. Prompt service. Quality and prices right. Let us show you. Write today, sure, for our free catalog. RUDY-HALL SEED CO., 732 Minnesota Ave., Kansas City, Mo.

SEED CORN.

Boone Co. White. First prizes at Leavenworth, Topeka, Kan. City, Wichita, Hutchinson, State Corn Show and National Corn Exposition. Twenty-six first prizes in 1910 including Sweepstakes at Hutchinson and Wichita. First prize at State Corn Show three years in succession. Immense yield. J. M. Gilman & Sons, R. 1, Leavenworth, Kan.

Rocky Ford, Colorado

Is the most widely advertised town in the world. Why? Because of the famous Cantaloupes grown there, and shipped to all parts of the country. Our Cantaloupes are not shipped, they are grown for seed. There is none better. Buy your supply direct from the producers. Get the Genuine. Our stock of Garden and Flower Seeds is unsurpassed. Write for catalog. THE EBBERT SEED CO., Rocky Ford, Colorado.

SEED POTATOES NORTHERN GROWN

Why take a chance on your potato crop by planting common or home grown seed? Plant Berry's Red River, White Peach-blow or Early Ohio. They grow big and a sure crop. We are making special low prices. You cannot afford to plant common stock. The difference in the cost is only a trifle compared with the great profit by planting our seed. If you want to make big money on your potato crop write for our 100 page illustrated seed book. Valuable pointers and new potato growing secrets. Worth thousands of dollars to all who write us. Send today. A. A. BERRY SEED CO., Box 705, Clarinda, Iowa.

CATALPA SPECIOSA.

Special low prices on Catalpa Speciosa. Concord Grapes and Kieffer Pears. Write for descriptive catalog. KANSAS CITY NURSERIES, 417 Reliance Bldg., Kansas City, Mo. W. T. Gough & Co., Abilene, Kan.

ABILENE NURSERIES.

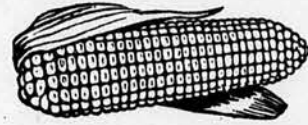
Write for catalog and price list before placing your order. We have the stock that bears fruit, also all kinds Ornamental trees. Forest Trees, Shrubs, Roses and Vines. Special attention given mail orders. 10 per cent discount on \$5.00 order; 15 per cent discount on \$10.00. Mention paper.

PURE BRED SEED CORN.

Reids Yellow Dent which tests 97 1/2 per cent of this year. 400 grains taken from 100 ears that 390 grew out of 400 planted in tester, guaranteed to satisfy or money returned upon return of grain, also several one hundred bushels of fine White Swedish Oats 25 bu. \$25. \$35 per 100 bu., fully guaranteed. W. W. ELLMORE, Easton, Illinois.

SEEDS FREE

We are making a special effort to gain new trade and to every person sending us an order for 25c or more we will send free 5 pkts. of seeds. If bought alone these would cost 50c, one pkt. being our grand new tree tomato. This is the most liberal offer ever made on reliable seeds. Write today for free seed catalog. J. W. JUNG SEED CO., Dept. 25, Randolph, Wis.



MAMMOTH WONDER CORN

Drouth and Bug Resisting. Fifteen Varieties —55 to 90 bushels to acre. Write for Samples. A. SMARSH, Route 1, Maize, Kan.

TREES

of all kinds at WHOLESALE PRICES. Save agents commission of 40 per cent by ordering direct from us. Premiums with each order free of from 1 to 5 trees! roses, shrubs or other stock. Stock Guaranteed first class. Certificate of Inspection furnished. Don't delay, send for price list now. Address Box H. WICHITA NURSERY, Wichita, Kan. (Gen'l Agts. for Wellington Nurseries.)

BILL BROOK FARM SEED CORN

We have a large quantity of pure bred, well matured, well selected Boone County White Corn. Shelled and graded, sacks included, \$2.00 per bushel. Crated in the ear, \$3.00; sacked in the ear, \$2.75.

H. O. TUDOR
Holton, Kansas

Wouldn't Use Any Other.
Benjamin Young, Milwaukee, Wis.: Dear Sir—I am using two sets of your "Uno" self-conforming horse collars with the best of success. Never had a sore shoulder since I used them. (Signed) John W. Wolf, Sullivan, Wis.

MISSOURI LAND

NORTHWESTERN MISSOURI FARMS.
610 acres, 9 miles town, second bottom, under fence, 70 acres timber, fine water, 10 room two story house, two large barns; all kinds other outbuildings, \$65 per acre. 370 acres well improved, 6 miles depot, 30 acres timber, 55 corn, balance grass, \$75 per acre. Other farms. G. W. STONER, Cameron, Missouri.

SOUTHERN MISSOURI LANDS.

Howell, McDonald, Stone and other counties. We have several thousand acres, \$250 to \$8.00 per acre, in best part of fruit country. Also improved farms, \$10.00 to \$40.00 per acre. Will exchange. Write us what you want.

LOCATOR REALTY CO.,
342 Ridge Building, Kansas City, Mo.

FARMS ON AND NEAR ROCK ROADS.

In Southern Jackson and Northern Cass Counties, Missouri, only 20 to 30 miles out from Kansas City, of 40 acres or more, at \$80 and up per acre. Jackson County has 200 miles rock roads. No trades. For particulars, address **FRED B. GLOVER**, Gumbel Bldg., Kansas City, Mo.

GOING UNDER THE HAMMER!

To prevent foreclosure on a large farm, we will sell 268 acres near two railroads and proposed Topeka electric line within 20 miles of Kansas City. Most of this land is tillable and about half in cultivation. Don't miss this opportunity. Price \$57, cash. Brasfield & Hammond, 715 Finance Bldg., Kansas City, Mo.

Mr. Farmer

Did you ever own a farm in the Blue-grass, Corn and Clover Belt? Did you go a little too far? If so, write me. I have Corn, Clover and Bluegrass Land, temperate climate, good improvements, schools and churches paid for, low taxes, good market towns and railway facilities State and soil map free. Full particulars sent on application.

BAZEL J. MEEK.

Chillicothe,

Missouri.

IRRIGATED ALFALFA LAND Selected by a Soil and Water Expert

1,550 acres of rich, red, sandy loam, especially picked from a 25,000 acre tract, purposely adapted to growing alfalfa. In the now famous

LOWER PECOS VALLEY, TEXAS.

JUST AHEAD OF THE ORIENT RAILWAY.

The Orient Railroad, now building from Kansas City to the West Coast of Mexico, will, within a few months, reach the most productive alfalfa district in America (only seventy miles away now), a section where even Secretary Coburn, of Kansas State Board of Agriculture, who visited this tract of land last fall, was astonished by the richness of soil and influx of farmers.

SEVEN CUTTINGS PER SEASON.

Over twenty thousand acres of alfalfa growing in Lower Pecos Valley now, and thousands of acres being put out each fall. Alfalfa cuts seven tons per acre, and now sells for \$20 a ton. One farmer made \$100 net per acre this year from his crop. \$75 is an ordinary profit for Pecos Valley alfalfa farmers. What does it? The soil is especially adapted, that is, a portion of it. There is abundance of silt-laden ditch water from the Pecos river, and the mild climate, high altitude and dry atmosphere are favorable to its quick growth, bloom and maturity.

\$60,000 WORTH TO KANSAS ALFALFA GROWERS.

Alfalfa farmers from Kansas have already endorsed the land under the Imperial Irrigation system (a reservoir two miles square, and 40 miles of ditches, costing over a quarter million dollars) by purchasing extensively. W. H. Denis, a famous soil and water expert, has just selected 1,550 acres of the 25,000 acre tract as A-1 alfalfa land. I have turned these selected alfalfa farms over to W. R. Draper, State Agent for Kansas, to sell before March 1st. Mr. Draper has prepared an alfalfa bulletin for those who will write my office at once. These 1,550 acres will sell rapidly. The land sells for \$35 an acre, with a perpetual water right for each acre, and a proportionate interest in the canals and reservoir. A cash payment of \$17 an acre is required. The first crop will pay for the land. This land is guaranteed the richest alfalfa land in the West, will cut seven tons per acre per season, and at the rate this lower Pecos Valley is filling up with farmers, new towns being established and new railroads pushing through, such especially chosen A-1 farms as now offered will sell for \$125 an acre inside of six months. Remember, these are "ahead of the railroad" prices. Write for the alfalfa bulletin, and ask Mr. Draper about his Free Excursion for Alfalfa Land Buyers During March and April.

F. A. HORNBECK

KANSAS CITY, MO.

958 Baltimore Ave. 958 Baltimore Ave.
Land Commissioner, K. C. M. & O. Railway.

The automatic gate manufactured by the Adams Gate Co., as advertised in Kansas Farmer, is one of the most successful gates that has been put upon the market. It has been sold for several years under a positive guarantee that money would be refunded if a 30 days' trial failed to prove its claims, and not one has yet been returned. The simplicity, perfect operation and attractiveness of the Adams gate is unusual. It is ball bearing, all castings are malleable and only the best of steel tubing and heavy galvanized wire are used in its construction. A child may operate it. It will open against the wind, always swinging from the team, and latches open so that it cannot blow shut. Mr. Adams also manufactures a first-class double-latch farm gate which is highly recommended. For prices or catalog write to the Adams Gate Company, 1003 N. Kan. Ave., Topeka, Kan.

On another page of this issue you will find the illustration and advertisement of the Ellinwood Disc Sled Co., of Ellinwood, Kansas. This firm has supplied thousands of farmers throughout the southwest with this popular disc sled. It is the only one manufactured with a dust proof bearing. It is adapted for the cultivation of corn and the working down of luster ridges for wheat. They also manufacture a two-row sled in one which will work down two luster ridges for wheat, but will work down as a single row for corn. Every machine is guaranteed if properly handled to do better work than any other disc sled on the market. They are for sale at all hardware and implement stores. If your dealer does not handle them write the Ellinwood Disc Sled Co., Ellinwood, Kansas. They will send you price list and other particulars.

The Wise Farmer's Wife Chooses a Range With a Reputation.

These prosperous times warrant the best of everything on the farm. The best stock—the best implements—the best automobiles—are none too good for the prosperous farmer—and for the farmer's wife the best range her money can buy is none too good. The average farmer's wife has her own ideas on the subject of cooking and ranges. What ever other good points it may have she insists that it be a perfect baker \$65 days in the year. It must also be a good cooker and economical in its consumption of fuel. A range isn't bought every day in the year, nor every year in one's life, and if she is a wise woman she will insist that the range for which she invests her husband's hard earned money will be a range with a reputation—a reputation for durability—a reputation as a perfect baker year in and year out. Before deciding upon the purchase of a range, the wise woman will examine closely into the merits of the Great Majestic. It is, indeed, a range with a reputation. It is a perfect baker at all times.

The Great Majestic has a 16-gallon all-copper reservoir which touches the fire, giving boiling hot water in a very few minutes. The body of the Great Majestic is made of Charcoal Iron, which gives it a wearing quality that will outlast three ordinary ranges. All top doors and frames are made of Malleable Iron—they won't break, crack or rust. Malleable iron is absolutely necessary for perfectly air-tight joints and on the Majestic Range all joints are riveted perfectly air-tight—no heat escapes or no cold air can enter—it is also completely lined with pure asbestos—thus the oven can be heated quickly with about half the fuel used in the ordinary range. Notice the advertisement and mention Kansas Farmer when writing.

Here's How to Have Healthy, Happy Hogs.

Adam Schultz of McLouth, Kansas, has discovered a sure and inexpensive way to keep his hogs in prime condition that should interest every farmer and stock raiser in the West. Mr. Schultz tells his experience in the following letter to the E. Myers Lye Co., of St. Louis: "I have given your Merry War Lye a good and fair trial and it has made marked improvement in my herd. Before feeding the Lye I did not have any sick hogs, but they did not eat as they should when they are doing as they ought to and they looked rough and their hair was rough and sometimes some of them would not eat at all and some would eat a little and then go off and lay down, but after feeding the Lye about eight or ten days could see a marked improvement in my herd. They began to all come out at meal time and take a hold as they should to eat and they began to feel happy as they came to eat. They jumped and played and that they did not do before feeding the Lye and they now look slick and thrifty. I have only fed nine cans of Merry War Lye to about forty-six head and they are every one of them doing fine. I consider this Merry War Lye of yours the best Hog Remedy I have ever used and the cheapest. I have spent a good deal of money at times when my hogs were not doing right but never got the results from any of the so-called Hog and Cholera Remedies as I have from this Lye I just got from you. My son got one-half of the two dozen cans I sent for and his hogs were in worse shape than mine and he has fed all of this to about sixty head and they are doing fine now and we will want more soon." Merry War Lye is on sale in 10c cans at grocery and drug stores. It is claimed to be the only absolutely safe and specially prepared live made for preventing and curing worms and cholera in hogs.

FIELD NOTES

FIELD MEN.

O. W. Devine.....Topeka, Kan.
Jesse R. Johnson.....Clay Center, Kan.
J. W. Johnson.....Beloit, Kan.

PURE BRED STOCK SALES.

Shorthorns.

March 29—C. W. Daugherty, Sedalla, Mo.
June 10—C. S. Nevius, Chillicothe, Kan.

Poland Chinas.

March 17—M. O. Stewart, Leonardville, Kan.
May 17—Roy Johnston, South Mound, Kan.
Oct. 20—Roy Johnston, South Mound, Kan.
Oct. 26—G. M. Hull, Garnett, Kan.

Duroc Jerseys.

March 16—Samuel Drybread and J. J. Baker, Elk City, Kan.
March 24—S. W. Alfred & Son, Sharon, Kan., sale at Enid, Okla.

Jacks and Jennets.

March 12—J. D. Thompson, Kildder, Mo.

F. T. Hadachek, who has made quite a reputation for himself and his part of the state by breeding the large English Berkshire hogs at Wayne, Kan., has just returned from the dispersion sale of Kinloch Farm of Berkshires at Kirksville, Mo. While at this sale he bought the herd boar Trueworth Premier 128009. This boar was sired by Trueworth 96142 by Lord Premier 50001 by Baron Lee. His dam was Queen Perfection Beauty 54394 by Baron Lee 8th. This shows choice breeding with Baron Lee on both sides.

Col. Burger Makes Good.

Col. L. F. Burger, of Wellington, Kan., writes us he is busy now booking fall sales. Those who claim dates early can secure the choice of dates. Write Col. Burger for date. Kindly mention this paper.

The Kansas Mule Again.

Another good sale of Kansas mules is reported. This time from Paola where Mr. Frank Wise sold 22 head to a Kansas City buyer for \$5,280 or an average of \$240 each. This is said to be the highest price ever paid for mules in that part of Kansas. A good mule crop in Kansas is just as valuable as in Missouri.

Sutton Farm Horses.

Sutton Farm, Lawrence, Kan., has made such a reputation for its Angus cattle and Berkshire hogs that it is well known everywhere among the men who handle these breeds of live stock. It also has a reputation for good horses and a reference to this advertising card will show you just what is now on hand and for sale. Mention Kansas Farmer.

Glen Echo Shorthorns to Be Dispersed.

On March 29 one of the high class herds of Scotch Shorthorns will be dispersed. This valuable herd is headed by the pure Scotch bull Secret Goods 292933 by White Goods, dam by Scottish Prince, C. W. Dougherty of Sedalla having sold Glen Echo farm he is compelled to make a dispersion of this valuable herd of cattle. See ad and reading notice in next week's Kansas Farmer and send for a catalog.

Springbank Duroc Jerseys.

W. H. Williamson of Raymond, Kan., has one of the good herds of Durocs in the state. His herd is headed by W. H.'s Col., the first prize junior yearling Duroc boar at the Kansas State Fair, 1909. This boar has not only proved a great show boar, but a great breeding boar. There will be some herd headers in Mr. Williamson's herd this year. W. H.'s Col is assisted by Chiefs Orion, the third prize aged boar at Kansas State Fair, 1909. Mr. Williamson is offering for sale a few choice sows and gilts bred to the above sires. You can make no mistake if you buy from this herd. Please mention Kansas Farmer when you write.

Grand Champion Durocs Sell.

On March 24 S. W. Alfred & Son will sell at their new location near Enid, Okla., a select offering of high class Duroc Jersey brood sows and gilts, including in this offering their grand champion show herd. This will positively be one of the best bunches of bred sows to be sold this spring. Alfred & Son have gained an enviable reputation among Duroc breeders for breeding high class Durocs. Kindly look up their sale ad and write for a catalog giving complete information of this herd. It will do any lover of Durocs good to read S. W. Alfred's catalog as it contains many valuable points of interest to the Duroc breeding fraternity. Don't fail to send your name in early. Kindly mention Kansas Farmer when you write.

F. J. Searle, owner of the East Side herd of Holsteins at Okaloosa, Kan., has just returned from New York state, where he bought a car load of splendid young cows and heifers and a number of serviceable bulls. Every one of these animals either has an A. R. D. record or is descended from animals of known merit. The females in this shipment are mostly bred to Pontiac Mines 41482, a son of the great Hengerveld DeKol and out of Pontiac Pauline Hesseltje, who has a junior 4 year old record of 23.33 pounds in 7 days and a percentage of 4.10 butterfat. This importation increases the East Side dairy herd to over 75 head of females and Mr. Searle is now in position to supply almost anything of high quality that may be wanted except heifer calves. Write him and mention Kansas Farmer.

AUTOMOBILE BARGAINS!!!

AS THE LARGEST DEALERS IN THE WORLD in new and second hand cars we have immense facilities to buy at great reductions, and always have on hand a large stock of ALL THE STANDARD MAKES in the best condition at MARVELOUSLY LOW PRICES. Send for our Bulletin, interesting to every owner or prospective owner of an automobile. Free on request.

TIMES SQUARE AUTO CO.

5 BIG HOUSES

ST. LOUIS.....COR. PINE & 18TH ST.
KANSAS CITY.....1701-1703 MAIN ST.
CHICAGO.....1322-4 MICHIGAN AVE.
NEW YORK.....215-217 W. 48TH ST.
PHILADELPHIA.....238-40 N. BROAD ST.

PUREBRED HOLSTEIN CATTLE

Are the largest and most productive all-round breed of cattle in the world. To back up this statement just read on: 2551 pure bred Holstein cows of all ages were tested for butterfat in 1908 and 1909 by state experiment stations. They averaged to yield 13.68 pounds of butter in 7 days from 395 pounds of milk, the greatest showing ever made by any breed. Now if Holsteins will do this, they ought to be the cows for you. Remember they will return 50 per cent on their food investment. Can you beat that?

"Holsteins are the most profitable cattle."

Send for Free Illustrated Booklets
HOLSTEIN-FRIESIAN ASSOCIATION
100 American Bldg., Brattleboro, Vt.



R. R. No. 8, Box

SILVERMINE

and Rieds Yellow Dent

OUR Seed Grows.

Grown from KANSAS STATE AGRICULTURAL COLLEGE breeding stock.

Maple Hill Farms

Ernest W. Young, Mgr.

-I- Lawrence, Kansas

Satisfaction Guaranteed



3 Gold Medals at Oklahoma and California Fairs in 1909.

"Best by Test."
THE AUTO-FEDAN HAY PRESS CO.
1364 W. 12th St., K. C., Mo.

No More Sore Shoulders

Never lay off your horse. This \$1.25 Lankford Cotton Filled Collar beats the world. Galls and Sores are impossible because it is an absolute fit. Light, pliable, long lasting, humane. Fits any shaped neck. Booklet tells all. Write for it. Free.

THE POWERS MFG. CO.,

144 Sycamore St., Waterloo, Iowa

STAGE MONEY

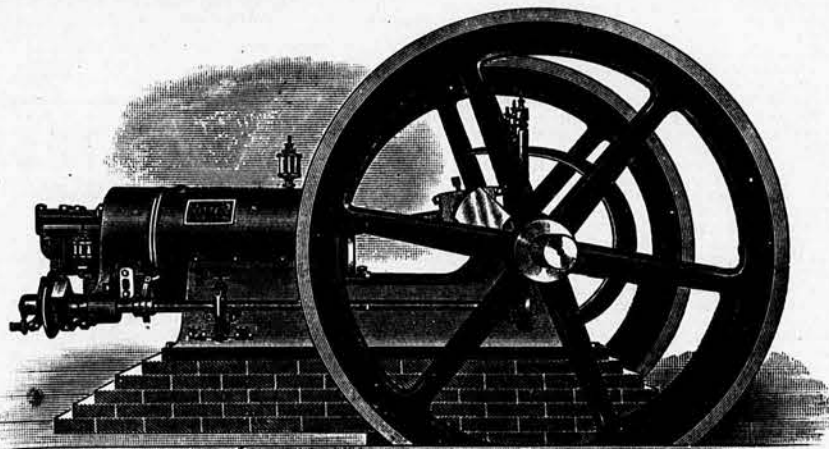
Just what every joker wants. Fools everybody. Send 10 cents for a good sized wad, prepaid, or 25 cents for 5 good sized wads. Address J. N. Gastfield, 1018 Holmes St., Kansas City, Mo.

WE WANT TO BUY SHOATS AND STOCK HOGS

Must be from healthy herd.

THE SPRINGDALE STOCK RANCH

BOX 484 CONDORDIA, KAN.



Witte Gasoline Engine for Farm Power. By Courtesy of the Witte Iron Works.

Big Type Poland Sale March 17.

O. M. Stewart, of Leonardville, Kan., one of the old guard Poland China breeders of central Kansas, advertises a sale in this issue. The date is March 17 and the sale is a dispersion sale. About 40 head go in. All of the culls have already been sent to the fattening pen. Mr. Stewart is an old timer and his catalog will contain breeding that is rare in these days of fashionable pedigrees. But the strains he has are the kind that have made good wherever they have been known. Among the great old sows are many tracing close to the once noted boar Tecumseh Short Stop 14750, owned at one time by R. H. Wheeler of Lawrence, Kan. Victor's Rival is also the sire of some, also Gold Drop. The sows that Mr. Stewart is offering are the great big useful motherly sort that makes us remember back 25 years ago, when they had big litters and filled the pork barrel. About 35 head of the sows and gilts will be in pig for April farrow to the boars Modest Joe and Courtier 2nd. The first named is by Hugh Corwin, a son of the great boar Mogul and his dam was Lady Price by Billy U. S. Courtier 2nd is a son of Courtier, he by Corrector 2nd. Both boars are also included in the sale. Here is a good place to buy them worth the money. Send at once for catalog and plan to attend or send bids.

The Sunny Slope Berkshire Dispersion.

Following the dispersion of the Sunny Slope Hereford cattle on March 1 and 2, the Berkshires were sold during a part of Thursday, March 3. There was not a large number of these, and the out of town buyers were not numerous, although the crowd present was a very large one. On this day the farm utensils, household goods, milk cows, horses and sheep were sold, and these served to draw large local crowds. The Berkshire herd consisted of 9 brood sows, 1 boar and 17 pigs. The 27 head averaged \$44.00. The nine brood sows averaged \$90 each, and the top of the sale was reached by Silver Tips 119th by Berriton Duke, who sold for \$150. Following are the sales:

B. P. Martin, Emporia, Kan., sows, Silver Tips 119th, \$150; Silver Tips 200th, \$130; Silver Tips 202d, \$60; Silver Tips 203d, \$60; Silver Tips 240th, \$77.50; Silver Tips 205th, \$60; Silver Tips 206th, \$92.50; boar, Climax Baron, \$40.

James Plumb, Emporia, Kan., sows, Silver Tips 221st, \$225; Silver Tips 201st, \$55; gilts, Silver Tips 208th, \$30; Silver Tips 212th, \$35.

J. P. Watson & Son, Emporia, Kan., gilts, Silver Tips 208th, \$30; Silver Tips 211th, \$30.

W. C. Hatcliff, Cherryvale, Kan., gilt, Silver Tips 209th, \$32.50.

Geo. Chouder, Baker City, Ore., Silver Tips 210th, pig, \$24.

C. E. Sutton, Lawrence, Kan., gilts, Silver Tips 214th \$30; Silver Tips 215th, \$25.

The Ross Farm Has Good Percherons.

In this issue will be found the ad of the Ross Farm at Alden, Rice County, Kansas. Mr. George B. Ross is known all over the state and needs no introduction to our readers. But we wish to say that he now has at the Ross farm one of the best four-year-old Percheron stallions that the writer ever saw. Australian (66301) is the name of this imported four-year-old. This colt weighs 2200 pounds. He was a prize winner this year at the International in a class of 22 head and one of the strongest classes ever shown. He was also a prize winner at the Illinois state fair at Springfield this year in a very strong class. Mr. Ross has 30 head of registered mares in nicely matched teams weighing from 3600 to 3800 pounds all are bred and showing safe in foal. Mr. Ross has 12 head of imported mares of very high class matched teams that will suit the most critical prospective purchaser. These probably is not more than one other stud in Kansas that has more high class mares than Mr. Ross now has. Mr. Ross sold last year over 40 head of Percheron mares and he has a much better bunch to pick from this year. If you are looking for Percheron stallions or mares you can find what you want at the Ross farm, at Alden, Rice County, Kan. There is also a herd of pure Scotch Shorthorns to sell. At the head of this herd is the noted Harlman Bros. bred bull, Good Bargain, sired by New Goods by Choice Goods, dam Lady Violet 2nd by Prince of Tebo Lawn. This great cow is owned by C. S. Nevius at Chiles, Kan., all the herd are in fine condition, all reds and of the richest Scotch breeding. There is 5 extra good herd bull prospects in this herd, large, growthy fellows that will please any one wanting a first class young bull. If you want Percheron horses or Shorthorn cattle you can make no mistake if you go to the Ross farm. The farm joins right up to Main street and the train service for shipping is first class. Please look up Mr. Ross' ad and write him what you want. Kindly mention Kansas Farmer when you write.

Watson, Woods Bros. & Kelly Co., of Lincoln, Neb., write us that they are having the best trade they have ever had in the history of their business. During the month of February they sold 26 head of stallions and they say that their business so far this month has been more than satisfactory. This firm took time by the forelock and imported over 100 head last August and October. Finding that they would run short, they sent their buyer, Mr. Joseph Watson, who is well known by horsemen on both sides of the water, over to the old country in January and he has just landed with another importation of Percherons, Shires and Belgians. This firm started business in a small way and have built up their business until today they are the largest importing firm west of the Mississippi river. We believe any person in the market for a draft stallion would find it to their advantage to pay this firm a visit. We wish to call attention to their ad appearing on another page in this issue.

The Ross Farm Percherons and Shorthorns.

While Hon. Geo. B. Ross of Alden, Kan., has long been known as an excellent breeder of Shorthorn cattle and Poland-China swine, his history as a Percheron breeder is even more conspicuous, though not quite so lengthy. At this time he has at the head of his stud of Percheron horses the 4-year-old imported stallion Australian (66301). This colt weighs 2200 pounds and is said by expert judges to be one of the very best horses now in the state if not in the country. He was a prize winner at the Illinois State Fair, and also at the International Live Stock Show at Chicago, where he won in a class of 22 entries. He has not yet attained his full weight, and is a wonderfully promising animal. In fact, one enthusiastic horseman who visited the Ross farm stated that he believed him to be the best animal he had ever seen. Mr. Ross has about decided to close out his choice herd of Short-

horns. These are all red and of the richest Scotch breeding and the herd is headed by Good Bargain 217641, a Hassman bred bull that was sired by New Goods by Choice Goods. His dam is Lady Violet 2d by Prince of Tebo Lawn, who is one of the best cows now in C. S. Nevius' herd. To bull buyers he offers 5 extra good young bulls that are large and growthy, solid red in color and fine herd bull prospects. Notice his advertisement in the Kansas Farmer and write your wants for either Percherons or Shorthorns.

Frank Dawley's Poland China Sale.

Few men in Kansas bought higher quality in their Poland Chinas than Frank Dawley of Waldo, Kan. He has won a reputation among the first and several of his sales have been record breakers. His last sale, however, did not bring as big prices as either the reputation of the herd or the quality of the animals warranted. Unfavorable weather conditions served to bring together only a moderate sized crowd, and while Dawley did not get what was coming to him, his neighbors reaped a rich reward for their attendance at the sale. Breeders and experienced men at the ring side, united in the belief that the offering was well worth the \$50 average. As the animals sold were mostly gilts, the average of \$38.05 on 48 head might be considered profitable, although they were snaps for the buyers. The top of the sale was brought by Lail's Special by Grand Chief, who went to J. D. Markley, Luray, Kan., for \$71.00. S. P.'s Perfection stuff seemed to be most strongly in demand, though other lines of breeding were thought to be equally good but less well known. Impudence I know shares with S. P.'s Perfection in the honor of being the champion and the equal of the older boar as a sire, though he is less well known and for this reason only did not command so high a price in the sale ring for his stuff. Following is a list of representative sales:

1-D. A. Wolfersperger, Lindsey, Kan.	70.00
2-J. B. Markley, Luray, Kan.	71.00
3-Elmer Baird, Luray, Kan.	62.00
4-G. V. Williams, Cedron, Kan.	52.00
5-Strebel, Alton, Kan.	40.00
6-Grant Crawford, Lincoln, Kan.	30.00
7-N. E. Copeland, Waterville, Kan.	45.00
8-M. L. Bratton, Luray, Kan.	26.00
9-J. C. Strebel,	50.00
10-M. L. Bratton, Luray, Kan.	35.00
11-S. S. Noyes, Waldo, Kan.	35.00
12-M. L. Bratton,	37.50
13-M. L. Bratton,	38.00
14-D. A. Wolfersperger,	48.00
17-D. E. Nichols, Lucas, Kan.	40.00
20-S. T. Noyes,	28.00
23-D. A. Wolfersperger,	61.00
24-G. V. Williams,	30.00
27-C. E. Nichols,	32.00
29-J. N. Elder, Waldo, Kan.	50.00
30-D. A. Wolfersperger,	32.00
31-L. Bratton,	65.00
32-Grant Crawford, Lincoln, Kan.	34.00
33-J. N. Elder,	50.00
34-G. V. Williams,	30.00
34-E. A. Wood, Lincoln, Kan.	40.00
42-D. E. Nichols,	36.00
52-M. L. Bratton,	40.00
53-J. B. Markley,	38.00

Ben Bell's Good Sale.

When Ben Bell of Beattie, Kan., was ready to begin his sale, things did not look very favorable. The attendance was very small, although the demand for catalogs had been excellent. Few breeders from a distance cared to brave the severe weather to attend this sale, as that involved not only physical discomfort for themselves, but the leaving of their own herds at home without personal oversight. However, the buyers who were present were after good hogs, and Bell had them. The sale was snappy throughout, and the general average of \$50.50 on 40 head was an excellent one under the circumstances. The top of the sale was reached by an Expansion sow, Me Over Pan, by Colossus, and the dam of the Dawson show herd of 1909. She was sold to T. J. Dawe, Troy, Kan., for \$160. The next highest price was \$100 paid for a Bell Medal gilt bred to Colossus, who sold to Austin Smith of Peabody, Kan. This may be considered one of the great Poland China sales of the year and Ben Bell has added to his laurels by winning such results under such circumstances. Below is a list of representative sales:

2-H. B. Johnson, Axtell, Kan.	\$50.00
3-W. C. Singer, Hiawatha, Kan.	71.00
0-Fred Hodarn, Beattie, Kan.	52.00
4-D. J. Johnson, Axtell, Kan.	60.00
5-L. H. Smith, Summerfield Kan.	40.00
7-J. F. Menahan, Burchard, Neb.	60.00
9-L. H. Smith,	59.00
9-S. B. Amcoats, Clay Center, Kan.	42.00
11-Austin Smith, Peabody, Kan.	59.00
12-F. J. Haelele, Seneca, Kan.	40.00
13-D. A. Brown, Beattie, Kan.	39.00
17-Austin Smith,	100.00
19-F. F. Oberly, Oregon, Mo.	52.00
20-Mark Thomas, Beattie, Kan.	42.00
22-J. H. Harter, Westmoreland, Kan.	45.00
24-F. F. Oberly,	50.00
27-J. F. Menahan, Burchard, Neb.	57.50

S. W. ALFRED & SON

Will Hold a Grand Champion

DUROC JERSEY BROOD SOW SALE**45 — HEAD — 45**

At Their New Location

**ENID, OKLA.
MAR. 24, 1910.**

Send for catalog. This positively will be one of the best bunch of brood sows and gilts to be sold this spring. Don't fail to attend or send a bid to O. W. Devine, representing the Kansas Farmer. Remember the new location is Enid, Okla.

S. W. ALFRED & SON**ENID,****OKLA**

31-J. H. Brown, Selden, Kan.	40.00
32-C. A. Harry, Beattie, Kan.	35.00
50-T. J. Dawe, Troy, Kan.	160.00

Hamaker Made Good Sale.

One of the most satisfactory and pleasing brood sow sales of the season was made by G. S. Hamaker at his farm, one mile west of Pawnee City, Neb., Feb. 23. The offering composed of 41 spring gilts and one tried sow averaged \$53.92. This included three head that was not cataloged. The bidding was quite spirited and several more could easily have been sold at just as good prices. The demand was especially strong for gilts bred to the great breeding boar Look Grand. The offering was good throughout and was bought by breeders and farmers with a feeling that Mr. Hamaker not only had the stuff but the willingness to make all representations good. It is a pleasure to represent a man like Mr. Hamaker as well as a pleasure to buy at one of his sales. Hog men are guessing that next fall will see a great bunch on the Hamaker farm out of the great old sows he is keeping bred to Look Grand. A complete list of sales follows:

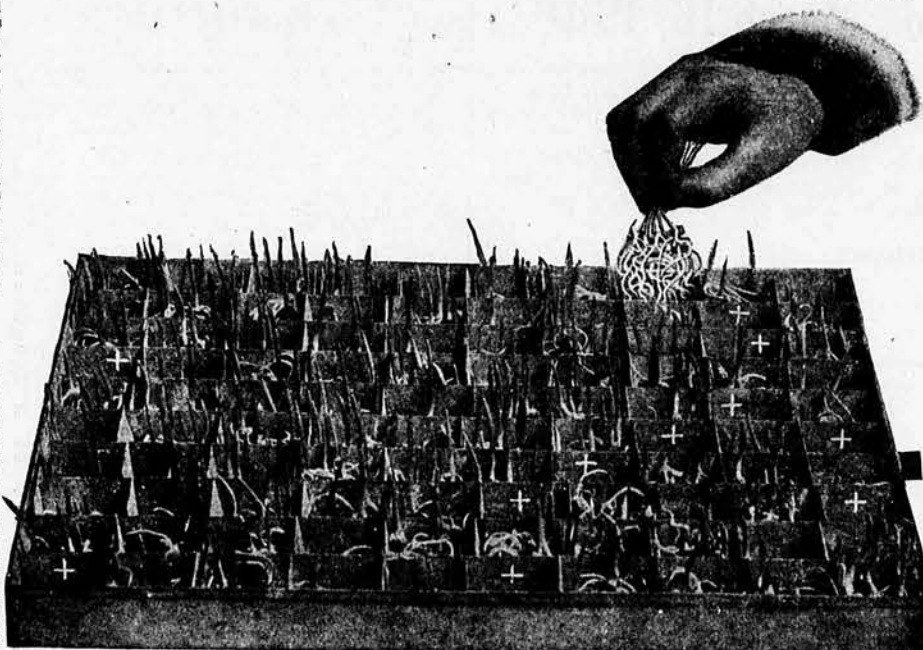
1-F. F. Loomis, Edholm, Neb.	\$111.00
2-Frank Snyder, Pawnee City.	70.00
3-Frank Snyder,	57.00
3X-Frank Snyder,	65.00
4-Roft Scott, Pawnee City.	49.00
5-Frank Snyder,	56.00
6-T. J. McGinty, Axtell, Kan.	48.00
7-Frank Bennett, Jr., Pawnee City.	40.00
8-Chris. Lineberger, Humboldt.	40.00
9-J. G. Hutchinson, Pawnee City.	70.00
9X-F. F. Loomis,	80.00
10-T. J. McGinty,	51.00
11-E. Story, Kewanee, Ill.	103.00
12-John McNair, Pawnee City.	52.00
13-F. F. Loomis,	39.00
14-Roft Scott,	53.00
15-Clarence Barnum, Perdue, Neb.	40.00
16-Davidson & Chrysler, Dewitt, Neb.	41.00
17-J. H. Brown, Selden, Kan.	51.00
18-John McNair,	40.00
19-James Ingalls, Haddam, Kan.	41.00
20-James Ingalls,	39.00
21-S. B. Amcoats, Clay Center, Kan.	52.00
22-Frank Snyder,	50.00
23-George Eckhard, Pawnee City.	41.00
24-Chas. Hurd, Pawnee City.	46.00
25-Frank Snyder,	47.00
26-C. W. Hutchings, Weepingwater, Neb.	35.00
27-H. L. Aikins, Pawnee City.	38.00
28-Aug. Shaffer, Pawnee City.	41.00
29-Chas. Atkinson, Pawnee City.	38.00
30-H. L. Aikins,	40.00
31-Frank Snyder,	61.00
32-Roft Peckham, Pawnee City.	66.00

W. J. Finley Makes Good Sale.

On Monday, Feb. 28, W. J. Finley, of Higginsville, Mo., held his fourth annual jack sale. The offering was all that the prospective buyers could ask for, quality and good, useful jacks. The weather and other conditions were favorable. The sale having been well advertised the attendance was large and the sale was a quick, snappy one. The 31 head were sold in a short time for over \$20,000. Many states were represented and the list of sales will show that the stock was taken by bidders from a wide range of territory. It is difficult to tell how many states were represented in the crowd. It is known that there were parties from various parts of the country that were bidders on the various lots but were unable to buy. Iowa, Kansas, Missouri, Nebraska, Oklahoma and Texas are those states that are found represented among the list of buyers. A number of the good jacks in the sale were taken by bidders from territory between Higginsville and Kansas City. Some of them were sold to parties in the south part of the state. Kansas people were the good bidders as well as good buyers. A complete list of all sales with the names and addresses of the animals and their buyers is submitted below. Colonels Harman Sparks and others were the auctioneers.

JACKS

1-Midland King, E. S. Warren, Glenwood, Ia.	
2-Dillingham, Alex. Eckles, Sibley, Mo.	\$1,625
3-Columbus, Emmet Summers, Alma, Mo.	1,020
4-Spokane, Barton Bros., Odessa, Mo.	805
5-Giant Boy, J. E. Calloway, Lebanon, Kas.	900
6-Cairo, F. H. Downing & Son, Attica, Kan.	915
8-Fuller, Ed Bowen, Lawson, Mo.	870
9-Chief I Am Jr., L. W. Teeman, Aulville, Mo.	805
10-Moreland King Jr., S. R. Smoots, Mayview, Mo.	510
12-Right Sort, J. J. Endres, Fallsade, Neb.	1,110
13-Bill Jones, E. H. Cottonberg, Medford, Okla.	1,150
14-Dr. Critt, J. H. Dennins, Appleton City, Mo.	255
16-Finley's Muscaline, W. C. Simpson, Attica, Kan.	1,030
18-Dr. Lier, Krotter Bros., Fallsade, Neb.	825
20-Swell Goods, W. B. Emison, Wellington, Mo.	1,600
22-Hay's Dick, A. H. Johnston, Cisco, Texas.	905
23-Royal Red Jr., F. D. Hastings, Fairfield, Neb.	660
25-Independence, D. P. Kirby, Grain Valley, Mo.	710
26-Presto, C. A. Bateman, Havensville, Kan.	315
27-Beecher Clermont (colt), Jeff Kinworthy, Pisgah, Mo.	690
28-Judge Elling (colt), A. Felder, Clarksburg, Mo.	505
29-Clermont 2d (colt), Lloyd Stewart, Prohibition, Mo.	310
30-Columbus Jr. (colt), M. V. Dillingham, Blue Springs, Mo.	250
31-Bert Potter (colt), A. H. Johnson, Cisco, Texas.	260
32-Buster Brown Jr. (colt and Jennet), M. V. Dillingham, Blue Springs, Mo.	180
32-Jarkin Jr. (colt), J. A. Barton, Odessa, Mo.	355
34-Jennet and jack colt, J. S. Vicker, Mayview, Mo.	205
35-Jennet and jack colt, J. S. Vicker, Mayview, Mo.	250
36-Jennet and jack colt, E. H. Downing & Son, Attica, Kas.	300
37-Jack colt, A. H. Johnson, Cisco, Texas.	240
10 aged jacks sold for.....	\$11,035.00
Average.....	\$1,103.50
16 aged jacks sold for.....	15,630.00
Average.....	\$976.40
30 jacks sold for.....	19,695.00
Average.....	\$656.06
1 stallion sold for.....	500.00
Total of sale.....	\$20,195.00



Tray from Holden's Ideal Seed Corn Tester, showing uniformity of results. By courtesy of the National Seed Tester Co.

Mitchell County Breeders' Association

C. B. KERN, President.

J. F. HOWARD, Secretary.

Nothing but first class animals offered for sale for breeding purposes.

SHORTHORN CATTLE.

SHORTHORN CATTLE—50 head registered cattle. Herd headed by Royal Goods 29325, by Select Goods, by Choice Goods. Young bulls ready for service for sale. **MEALL BROS.**, Cawker City, Kan.

A YOUNG HERD of up-to-date breeding. Everything recorded. Our herd bull Alfonso by Magnet has produced us some great calves this season. **BRINEY & BRINEY**, Beloit, Kan.

LOCUST GROVE SHORTHORNS—Herd headed by the pure Scotch bull Goster's Model 287840. Three Scotch topped yearling bulls for sale. Also a few cows with calves at side. **ELMER C. CREITZ**, Beloit, Kan.

BOOKDELL STOCK FARM. Shorthorn cattle, Poland China hogs. Silver Laced Wyandottes. **E. E. BOOKER & SON**, Beloit, Kan.

FOR SALE—A few young Shorthorn cows and some young bulls ready for service. Best of breeding. Write for information and prices. **VINTON A. FLY-MAT**, Barnard, Kan.

HEREFORD CATTLE.

HEREFORD BULL CALVES for sale. Berkshire boars for sale, spring farrow. Will trade 2 or 3 for gilts. Boars by Commander out of dam by Speculation; grand dam, Alice Majestic, champion sow at Kansas City Royal. **W. B. & J. M. ROGERS**, Beloit, Kan.

50 HEREFORD CATTLE, comprising the H. B. Woodbury herd. Some famous cows in this herd: 5 young bulls of serviceable age for sale. 4 miles from Tipton, Kan. 8 from Cawker City, Kan. **JOHN SCHMIDT & SONS**, Tipton, Kan.

100 HEAD OF HEREFORDS—The home of Caster 259475, the winner in every big show he was ever in. A few choice young heifers and cows for sale. **F. L. BROWN & CO.**, Sylvan Grove, Kan.

PERCHERON HORSES.

REGISTERED PERCHERONS—The home of Vidouque (Imp.) 40403, also the brood mare Risetite (Imp.) 51115. Inspection invited. Farm adjoins town. **E. N. WOODBURY**, Cawker City, Kan.

REGISTERED PERCHERON HORSES in stud; Imported Rabelais 42529 by Cosaque by Theodus, who sired Calipso and Casino. Visitors welcome. **C. J. JOHNSON**, Solomon Rapids, Kan.

THE HOME OF JACQUE W. 42659 by Tiatrey, dam Imported Risetite. Inspection of my Percherons invited. **RALPH G. McKINNEY**, Glen Elder, Kan.

COLEDALE STOCK FARM—The home of three first prize winners at the International. Nothing but the best in this herd. Come and see us. **FRANK A. COLE**, Barnard, Kan.

GRANITE CREEK STOCK FARM. Percheron and Standard bred horses. Make known your wants to **M. A. SMITH**, Supt., Cawker City, Kan.

COACH HORSES.

LAWDALE STOCK FARM—Oldenburg German Coach horses. International prize winning stock. A tried stallion for sale. Inspection invited. **JOSEPH WEAR & SONS**, Barnard, Kan.

POLAND CHINAS.

LEBAN CREEK STOCK FARM—Poland Chinas. 100 spring pigs, both sexes, for sale at private treaty. Also a few yearling cows bred for October farrow. **LOGAN & GREGORY**, Beloit, Kan.

EUREKA HERD POLANDS—Durocs. I breed both and have a nice lot of serviceable boars of both breeds for sale. and a few choice gilts. Priced right. **W. H. SALES**, Simpson, Kan.

DUROC JERSEYS.

GOLDEN RULE STOCK FARM—Gilt edged Duroc Jerseys, 40 spring pigs, both sexes, for sale at private treaty. Farm adjoins town. **LEON CARTER**, Asherville, Kan.

ALFALFA STOCK FARM. The home of the best in Duroc Jerseys. Choice boars, fall sows, in fact, most anything you want. **PEARL H. FAGETT**, Beloit, Kan.

HAMPSHIRE.

HAMPSHIRE HOGS. 40 spring pigs, both sexes, for sale. Write for prices. **A. B. DOYLE**, Beloit, Kan.

O. I. C. SWINE.

Tracing to the famous Kerr and Big Mary families. No more males to offer. A few choice bred and open gilts for sale. **T. C. WRENCH**, Beloit, Kan.

AUCTIONEERS.

COL. H. H. VANAMBURG
General and Live Stock Auctioneer.
PHONE 434. **BELOIT, KAN.**

COL. F. L. SMITH
General and Live Stock Auctioneer.
PHONE 943. **BELOIT, KAN.**

Petty Bros. Make Successful Sale.

Thursday, March 3, Petty Bros. of Sedalia held a very successful sale of jacks and jennets. While the Petty Bros. are young in this business they have built up a host of friends and have a wide reputation for square dealing. The sale opened with a lot of jennets which were offered in good condition. Several of them were in foal to the great jack Orphan Boy. Just an even dozen were sold. Some of them were quite old and others were not much over two years old. The highest price paid for one of these jennets was \$330, for the 4-year-old, Frosty. She was safe in foal to Orphan Boy, and sold to J. W. Lowry of Bowling Green, Mo. The sale of jennets closed with an average of \$170.83 per head. Immediately after the sale luncheon was served. The sale was resumed with the offering of jacks. The first was the 2-year-old, Tunsdale a jack which stood 16 1-4 hands high (standard measure). He was sold for \$1,610 to Miller Rodgers of Bunceton, Mo. This jack was a great individual and was considered by many as being the superior of any jack of the age that has been sold in this week's series of sales. He sold for \$5 above the record price that has ever been paid at any jack sale in the world for a 2-year-old jack. Following is the report in full:

JACKS.	
1—Prince Grant, 4 years, G. Cryderman, Solomon, Kan.	\$ 440
2—Richmond, 4 years, Dr. J. F. Robinson, Windsor, Mo.	760
2 1/2—Crop, 5 years, T. T. Hanby, Falco, Kan.	1,060
3—Banister, 4 years, J. W. Lowry, Bowling Green, Mo.	1,225
4—High Tower, 4 years; Joe Tyler, Edmund, Okla.	810
4 1/4—King Rollings, 7 years; John Campbell, Parsons, Kan.	1,000
6—Tunsdale, 2 years, Miller Rodgers, Bunceton, Mo.	1,610
7—Twinkles, 2 years; J. W. Ferguson, Strausburg, Mo.	115
8—Grissim, 3 years, A. Arnold, Sedalia, Mo.	1,000
9—Calypso, 2 years, G. Finley, Nelson, Mo.	300
10—Casino, 2 years, A. H. Johnston, Cisco, Texas.	280
11—Frisco, 2 years, G. M. Jackson, Calhoun, Mo.	300
12—Dare Dinger, 3 years, G. L. Levitt, Wilson, Kan.	1,200
14—Billy Stone, 3 years, W. D. Stoller, Vinton, Ia.	100
15—Black Forrister, 2 years; J. N. Hickman, Cross Timbers, Mo.	360
16—Cortes P., 4 years, Dr. J. F. Robinson, Leeton, Mo.	570
17—Mack K., 2 years, J. G. Callison, Leeton, Mo.	370
18—Charles Murphy, 2 years; N. M. Bradley, Warrensburg, Mo.	830
19—King Humboldt, 3 years, N. P. Reed, Pilot Grove, Mo.	700
20—Claxton, 3 years, C. W. Daugherty, Sedalia, Mo.	600
21—Rollins Jr., 2 years, T. G. Hann, Uniontown, Kan.	860
22—Black Terry, 2 years, G. L. Cryderman, Solomon, Kan.	200
23—Roy, 4 years, A. Meyer, Prairie View, Kan.	300

JENNETS.	
2—Florida, 9 years, W. W. Caruth, Dallas, Texas.	\$ 290
3—Liberty Beck 2d, 3 years, E. H. Hawkins, Salem, Mo.	150
4—Frosty, 4 years, J. W. Lowry, Bowling Green, Mo.	330
5—Lady Thorn 3d, 15 years, J. H. Detmer, Sedalia, Mo.	100
6—Belle Owens, 16 years, W. W. Caruth, Sedalia, Mo.	80
7—Chever Belle 3d, 2 years, J. P. Craig, Pittsfield, Mo.	130
9—Miss Arnold, 3 years, J. P. Craig, 9—Lady Kaufman 2d, 2 years, S. Neitzert, Sedalia, Mo.	60
10—Miss Styles, 9 years, T. Kaufman, Savannah, Mo.	140
11—Miss Styles 7th, H. H. Tyler, Sedalia, Mo.	160

SUMMARY.
23 jacks sold for \$14,990; average \$651.74
12 jennets sold for 2,050; average 170.83
35 head sold for 16,540; average 472.57

All Records Broken for High Priced Jacks and Jennets.

There was a great object lesson as to the value of the great Missouri mule, which is known throughout the world. When the special train from Sedalia pulled into Smithton there were lined up 40 teams of mules, a part of them hitched four abreast, to convey the crowd of anxious buyers to the Limestone Valley jack farm. On Tuesday and Wednesday, March 1 and 2, L. M. Monsees & Sons made one more record breaking sale when they sold

42 jacks for	\$39,160
Average	\$910.69
52 jennets for	22,305
Average	428.95
95 jacks and jennets for	61,465
Average	647.00
24 saddle horses for	6,285
Average	262.71
119 head for	67,750
Average	569.32

Following is a list of representative sales: Barryton Mammoth, James Houchins, Jefferson City, Mo. \$3,030
High Ball, Barnes & Kane, Muskogee, Okla. 1,605
White Oak Mammoth, J. W. Thompson, Terre Haute, Ind. 1,500
Ringo Hannibal, C. Hayden, Choteau, Okla. 1,360
Perfection Duke, R. F. Cook, Eagleville, Cal. 1,520
The Admiral, J. C. Walvoord, Holland, Neb. 1,200
John Keen 2d, W. H. Graner, Lancaster, Kan. 690
King Harger, William Mortl, Latham, Kan. 1,560
Malaga, J. E. Ricklefs, Troy, Kan. 1,040
Limestone Henry, W. S. Sneed, Sedalia, Mo. 1,525
Black Knight, C. A. Davis, Roseville, Ill. 900
Black Dun, J. C. Higgins, Houstonia, Mo. 630
Kentucky King, W. E. Files, La Monte, Va. 1,925
Black Bear, P. F. Hope, Wautauga, Va. 900
Togo, Peter Renbuer, Boxholm, Ia. 1,100
Black Don, J. W. Marley, El Dorado, Kan. 910
Stemwinder Jr., C. M. Moore, Fortuna, Mo. 700
Don Juan, R. L. Von Trebra, Chetopa, Kan. 660
King Bedford, E. H. Hawkins, Salem, Mo. 1,025
Brown's Silver Tips, Elmer Estill, Carrier, Okla. 610
Rube Wooley, S. S. Sears, Sergeant, Neb. 1,060
Silver King, Cort Stewart, Prohibition, Mo. 970
Mora Jumbo, A. H. Carter, Dexter, Mo. 1,385
Prince Craddock, S. J. McKee, Stuart,

THE STRAY LIST

Logan County—C. H. Nollind, Clerk.
MARE—Taken up, Jan. 19, 1910, by Jas. Creech, in McAllister tp. one brown mare, weight about 800 lbs., star in forehead, left hind foot white.

AUCTIONEERS

L. E. FIFE,

LIVE STOCK AUCTIONEER.

Newton, Kansas.

Breeder of Percherons, Shorthorns and Duroc Jersey hogs; posted in pedigrees; terms reasonable. Write or wire for date.

THOS. DARCEY

Thirteen years experience. Special attention given to farm and live stock sales. Satisfaction guaranteed. Dealer in real estate. **OFFERLE, KANSAS.**

COL. JOHN D. SNYDER

LIVE STOCK AUCTIONEER.

Sales made everywhere. Write or wire me for dates. Prices reasonable. **WINFIELD, KANSAS.**

W. C. CURPHEY,

LIVE STOCK AUCTIONEER.

Write, phone or wire me for dates. **Abilene, Kansas.**

COL. ESSIE CRAVEN

NORTH BRANCH, KAN.

Twenty Years Selling All Breeds.

LIVE AND LET LIVE

is my motto. Reasonable charges and good service. Choice of dates if you write early.

JAS. T. McCULLOCH

CLAY CENTER, KANSAS.

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PEDIGREED LIVE STOCK

Write me for dates.

BUNTON, MO.

J. H. MOORMAN.

Live Stock and General Farm sale auctioneer. Satisfaction guaranteed. Long distance phone connection.

SOLOMON, KANSAS

SHORTHORN CATTLE

LOCUST GROVE HERD SHORTHORNS.

Up-to-date breeding with good quality.

ELMER C. CREITZ, Beloit, Kan.

R. 7.

SHORTHORNS.

If you need a young bull or some females write us: prices right.

SHAW BROS., Glade, Kan.

Phillips Co.,

SHORTHORNS AND POLAND CHINAS.

The pure Scotch bull Scottish Archer in service. Poland headed by the line bred Expansion boar, Bell Expand. Nothing for sale at present. Visitors welcome. S. B. Amcoats, Clay Center, Kansas.

TENNEHOLM SHORTHORNS.

Have on hand a few young red bulls ready for service that are of splendid milking dams and have good beef form. No better breeding could be wished. Can spare a few females. Prices moderate.

E. S. MYERS, Chanute, Kan.

ALFALFA LEAF SHORTHORNS.

Special offering of four bulls. One by Archer 205740, out of a Victoria cow. Three by Nonpareil Star, one a Victoria, one imp. Edelweiss and one Christmas Gift. Also a few choice heifers of equal quality and breeding.

John Regier, Whitewater, Kan.

EVERGREEN HOME FARM.

Milking Shorthorn Cattle, Bred Hornless.

Berkshire Hogs, Oxford Down Sheep.

Bourbon Red Turkeys.

LATHROP, MISSOURI

SCOTCH TOPPED BULLS.

We have for sale some choice last spring bull calves sired by our herd bull Pleasant Hill Master, one of the best sons of Master of the Grove. Will make reasonable prices on these.

O. A. TILLER, Pawnee, Neb.

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, Kan.

A CARLOAD SHORTHORN COWS

All are bred or have calf at side. 4 good

young bulls that I am sure will suit. Every-

thing nicely bred and in good condition.

Moderate prices. Come and see us.

D. H. FORBES & SONS, Topeka, Kan.

R. F. D. No. 8, Bell Phone 31.



PUBLIC AUCTION

40 Imported Shetland Ponies

Auburn, Neb., Wed., March 16, 1910

Good individuals, show ponies, some have already won merits in Scotland and Shetland; best of breeding. Come see true, kind and gentle Shetlands. Sell at your own price. All ages. Mares in foal, stallions and a few geldings.

Come to this sale. The like never happened west of the Mississippi River. Send for catalog and take in this treat. Auburn is 60 miles south of Omaha, on Missouri Pacific, 50 miles east of Beatrice on the B. & M. R. R.

Col. Wood and R. C. Boyd, Auctioneers.

Clark Bros., -:- Auburn, Nebr.

RED POLLED CATTLE

AULD RED POLLS.

Herd established 7 years. Choice breeding and individuality. Three young bulls for sale.

AULD BROS.

Frankfort, Kansas.

FOSTER'S RED POLLS.

7 choice young bulls and a few good females for sale. My prices are right. Come and see my herd.

C. E. FOSTER, Eldorado, Kansas.

POLLED DURHAM CATTLE

POLLED DURHAMS.

Young bulls, cows and heifers bred to Roan Hero, the double Standard champion. Prices reasonable. Write for terms.

C. J. WOODS, Chiles, Kan.

BELVEDERE X2712--195058

Son of the \$1,500 Grand Victor X1685 150344 heads my herd of Double Standard Polled Durhams. A few extra good blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoins town.

D. C. VAN NICE, Richland, Kan.

JEWELL SHORTHORNS.

A young herd of up-to-date breeding. Also Percheron and Standard bred horses. In stud, the Percheron stallion Marquis De Wierre (Imp.). Also the Standard bred stallion Red Seth \$1185. Farm adjoins town. Come and see us.

W. T. LOWE, Jewell, Kan.

Prospect Farm Shorthorns

The oldest Shorthorn breeder in Kansas. The largest herd of Cruickshanks in Kansas. Herd headed by Violet Prince 145647 and Orange Commander 220590. Young stock of both sexes and some cows for sale. Quality and prices right.

H. W. McAFEE,

Bell Phone 59-2. Topeka, Kan.

If you are looking for a young

Shorthorn Bull

to head your herd right in every way, write us for full particulars at once.

C. G. COCHRAN & SONS, Plainville, 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, R. 6, Chanute, Kan.

HEREFORD CATTLE**BEAU BRUMMEL**

10th 167719

Modera Herefords. Herd bulls, Beau Brummel 10th 167719, Beau Beauty 192235—and Protocol 2d 91715. Robert H. Hazlett Hazford Place, Eldorado, Kansas.

JERSEY CATTLE**LINSCOTT JERSEYS**

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

R. J. LINSCOTT, Holton, Kansas.

DUROC JERSEYS**GILTS RESERVED FOR MY FEBRUARY 2 BRED SOW SALE.**

Big, growthy spring boars for sale at bargain prices. Bred right and fed right.

E. M. MYERS,

BURR OAK, KAN.

HOWE'S DUROCS.

Special prices on boars and gilts sired by Rex K., champion at Wichita fair this year. Also a few by Perfect Improver, grand champion at Wichita 1907 and 1908. Only a few left. Get busy and send in your order.

J. U. Howe, Wichita, Kan.

GREENWOOD HERD DUROC JERSEYS.

Herd boar Dandy Duke 64663, few choice spring boars for sale and few extra good spring and fall gilts, few tried sows bred for spring litters. Write or come and see me.

R. D. Martin & Sons, Eureka, Kan.

FOR SALE.

A few late spring and summer boars of good quality, also some good bred yearling sows and spring gilts priced right.

H. A. J. COPPINS,

Potwin, Kansas.

"DUROCS GROWN IN THE OZARKS."

Ohio Chief and Col. blood. Litters by Muncie Chief, Model Prince, King of Models, Inventor, The King I Am, Advance; several by Col. Carter, my leading bred boar. They are all grown right, are good and we answer all letters of inquiry.

C. I. Carter, Cabool, Mo.

CHAPIN & NORDSTROM.

have for quick sale, 3 spring herd boars by King of Col's 2nd, 1 by G. C.'s Col. All show prospects.

CHAPIN & NORDSTROM,

Green, Kansas.

20 - BRED GILTS - 20

Daughters of King of Cols 11, and G. C.'s Col. These are very choice gilts priced to sell. Also a few choice boars of summer farrow.

FRANK ELDER,

Green, Kansas.

Ia. 1,010

STALLIONS AND GELDINGS.

Limestone Artist, Azzo Potter, Marshall, Mo. 515
June King, James Houchins, Jefferson City, Mo. 710
Bay Eagle, H. M. Davis, Richmond, Mo. 235
Perter Denmark, A. H. Johnson, Cisco, Texas. 300
Woodsprite, Eugene Bartle, Sedalia, Mo. 100
Creedmore, J. F. Schrader, Mora, Mo. 255
Black Eagle, R. L. Munson, Wetmore, Kan. 500
Hurlburt, James Houchins, Jefferson City, Mo. 155
King April, J. G. Callison, Leeton, Mo. 310
Napoleon (Percheron), W. F. Hayes, Bloomfield, Ky. 405
Limestone Chestnut, U. G. James, Stark Kan. 340
King Easter, H. C. Warnke, Stover, Mo. 150
MAREES.
Zuleka, Eugene Bartle, Sedalia, Mo. 80
Easter Girl, W. H. Brown, Clarksville, Mo. 280
Easter Belle, James Houchins, Jefferson City, Mo. 335
Limestone Queen, Azzo Potter, Marshall, Mo.

ANGUS CATTLE**25-BULLS ANGUS-25**

Ready for Service.

30-BRED COWS AND HEIFERS-30

Sired by or bred to Champion Ito, sire of 1st Prize Calf Herd at American Royal.

10-SHROPSHIRE EWES IN LAMB-10

To our Imported Show Ram.

SUTTON FARMS, LAWRENCE, KAN.

400 Angus in Herd.

VIEW POINT ANGUS HERD.

15 choice cows in age from 8 to 7 years. Representative of the Heroine, Mina, Duchess and Dimple families. All of them raised calves the past season and are bred for March calves to the great Louis of Meadow Brook, sire of champions. Nearly all of these cows were raised on our farms and are only being sold to reduce the size of herd. Low prices. Mention this paper when writing.

PAUL M. CULVER, Edgerton, Mo.

HOLSTEIN CATTLE**East Side Dairy Holsteins**

Advanced Registry Breeding.

My prices are reasonable for cows and heifers bred and open if you consider quality and breeding, a choice lot to choose from. Also some extra well bred young serviceable bulls and bull calves to offer. See the herd or write for particulars.

F. J. Searle, Prop., Oskaloosa, Kan.

ROCK BROOK HERD OF REGISTERED HOLSTEIN & FRIESIAN CATTLE.

Special offer for next 30 days in bull calves from 1 month to a year old. A few high class registered cows and heifers, and can also offer a few very high-grade cows and heifers, consigned to me to be sold by parties wishing to secure pure-breds. 100 head in herd. Address

HENRY C. GLISSMANN, Omaha, Neb.

DUROC JERSEYS**NEW LOCATION**

at Enid, Okla., will hold a grand champion bred sow sale, March 24, 1910.

S. W. ALFRED & SON,

Sharon, Kansas.

SPRING BANK HERD DUROCS.

Herd headed by W. H.'s Colonel, the first prize junior yearling boar at Hutchinson fair, 1909, and Chief's Orion, the third prize aged boar at Kansas State Fair, 1909. A few choice spring boars and sows bred to either of the above named boars for sale.

W. H. Williamson, Raymond, Kan.

HANLEY STRAIN OF DUROCS

Write for prices.

Paul B. Johnson, Leavenworth, Kan.

Fitch's Kant-Chief Improver

A nice line of March and April boars to price worth the money after August 1. Write any time for prices and information.

W. T. Fitch, Minneapolis, Kan.

CEDAR LAWN HERD.

I have a nice lot of fall boars and gilts sired by Long Wonder a grandson of International Champion by such dams as Josie Surprise Bessie Advance and Miss Orion and other popular sows. Write me your wants. F. M. Buchhelm, R. 3, Le-compton, 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, Kan.

HAMPSHIRE SWINE

Oldest herd in the West. 30 boars of serviceable age. Also bred sows and gilts.

W. F. DAVIS,

South St. Joseph, Missouri.

shall, Mo. 300
Limestone Model, James Houchins... 275
June Belle, James Houchins... 200
Miss Woodson, James Houchins... 200
Limestone Princess, E. H. Hawkins... 135
Salem, Mo. 100
Bay filley, C. E. Lamm, Sedalia, Mo. 100
JACKS.
Pike's Peak, J. C. Simpson, Eufaula, Okla. 400
Peacock Mammoth, S. G. Sears, Sergeant, Neb. 430
Prince Leer, E. E. Swing, Farmington, Mo. 420
Lion Jr., C. A. Moore, Fortuna, Mo. 535
Hackley's Mammoth, A. H. Johnston, Cisco, Texas. 325
John L. William Mortl, Latham, Kan. 630
Merchant Boy, J. C. Simpson, Eufaula, Okla. 800
Black Bear, Homer Germain, DuBois, Neb. 680
February, A. H. Johnston, Cisco, Texas. 205
Big Mack 2d, W. F. Schrader, Jackson, Mo. 520
Limestone Lad, E. E. Swink, Farmington, Mo. 410
Prince Jumbo, E. Prentice, Hebron, Neb. 510
King Philip, M. P. Monsees, Smithton, Mo. 610
Huf Boy, H. C. Warnke, Stover, Mo. 750
Captain Todd, J. T. McClure, McClure, Ill. 570
Monarch, William Mortl, Latham, Kan. 310
Lion Jumbo, Peter Renbuer, Boxholm, Ia. 630
Superior Boy, W. F. Schade, Jackson, Mo. 1,260
Limestone Leer, E. H. Cottonberg, Medford, Okla. 380
Cooper Barney Lott, Goltzy, Okla. 650

Sunny Slope Dispersion.

Ever since C. A. Stannard assumed ownership and control of the famous Sunny Slope farm at Emporia, Kan., it has been a growing institution. In the last ten years, Sunny Slope Herefords have stood well to the front in the great contests for supremacy in the big shows. In every campaign in which they have engaged these cattle have won victories. Some of the most famous bulls of the breed have found their homes here and the herd as a whole has been well cared for and more thoroughly advertised than perhaps any other herd in the state, no matter what the show places of Kansas and its public sales of Hereford cattle have been notable events. Business requirements compelled the dispersion of this great herd, together with the Berkshire swine for which this farm is equally noted. March 1 and 2 were devoted to the selling of the cattle and this event drew out an enormous crowd of people. It is possible that there were one thousand people in attendance who came in every sort of vehicle from the big touring car to the farm wagon. In any dispersion sale it is likely to be true that the buyer has the advantage. Animals of all ages and sizes are offered and this effects the average prices paid. While the general opinion at the ring side seemed to be that the average price of \$140.47 on the 159 Herefords sold constituted a fairly good sale, there were many who thought that the show cattle and a number of the others in the prime of life and condition did not bring enough money. Beau Mystic 179920 only brought \$1,010 which was considered cheap for a bull of his quality and reputation. Cols. Woods, Edmondson and Bel-lows were the auctioneers. Following is a list of sales amounting to \$150 or over:

Lot 9—Beau Mystic, by Beau Donovan, George Chandler, Baker City, Ore. \$1,010
Lot 10—Beau Doncaster, by Beau President, Geo. Christopher, Valentine, Neb. 230
Lot 16—Beau Mystic 11th, by Beau Mystic, G. W. Newman, Emporia, Kan. 700
Lot 17—Beau Mystic 39th, by Beau Mystic, R. M. Dobson, Independence, Kan. 410
Lot 35—Beau Mystic 38th, by Beau Mystic, J. Focke, Ludell, Kan. 155
Lot 36—Beau Mystic 36th, by Beau Mystic, Fred Kohler, Cheney, Kan. 110
Lot 39—Beau Mystic 16th, by Beau Mystic, F. O. Thompson, McPherson, Kan. 115
Lot 40—Debonair 2d, by Debonair, F. E. Cheadle. 200
Lot 42—Debonair 15th, by Debonair, W. L. Meyers, Phelps, Mo. 120
Lot 50—Debonair 20th, by Debonair, G. S. Gillam, Gypsum, Kan. 150
Lot 62—Expectation, by Tranquility, B. M. & W. J. Brown, Fall River, Kan. 335.00
Lot 174—Sam, by New Year's Gift, Andrew Brown, Woodston, Kan. 100
Lot 3—Adriana 3d, by Beau Mystic, Geo. Chandler. 200
Lot 4—Adriana 4th, by Princeps, Geo. Chandler. 250
Lot 6—Adriana 2d, by Keep On, G. W. Newman. 300
Lot 14—Belle Monde 17th, by Beau Mystic, R. M. Edwards, Gretna, Kan. 150
Lot 18—Belle Monde 16th, by Beau Mystic, R. M. Dobson. 150
Lot 19—Beauty, by Major Beau Real, G. W. Newman. 270
Lot 27—Capitola 11th, by Lord Saxon, Geo. Chandler. 240
Lot 28—Capitola 12th, by Beau Mystic, F. E. Cheadle, Cherokee, Okla. 265
Lot 31—Casey Grover, by Grover, J. B. Thomas, Pond Creek, Okla. 150
Lot 32—Celia, by Eduardo, H. E. Jackson, Neosho Falls, Kan. 150
Lot 52—Daisy P., by Beau Mystic, G. W. Newman. 300
Lot 81—Jewel, by Beau Mystic, G. Chandler. 325
Lot 83—Juliet, by Sydney, G. W. Newman. 265
Lot 89—Lily Cochran 11th, by Lord Saxon, Geo. Christopher. 155
Lot 92—Lady Java 2d, by Lord Saxon, G. W. Newman. 250
Lot 100—Lady Java, by Dudley, J. B. Shields. 190
Lot 103—Lady, by Counsellor, W. J. Brown. 160
Lot 105—Lady Capitola, by Tranquility, Geo. Chandler. 475
Lot 108—Lady Blanche 2d, by Java, H. G. Hogan, Hinckley, Ill. 170
Lot 123—Mary Beau Real, by Beau Real, M. A. Pacenka, Bremen, Kan. 315
Lot 125—Murty, by Bright Boy, Whiteford Bros., Osawatimie, Kan. 150
Lot 130—Mary, by Lord Saxon, W. L. Wood. 310
Lot 148—Mary M., by Beau Mystic, F. E. Cheadle. 175
Lot 149—Mary D., by Beau Mystic, G. W. Newman. 400
Lot 157—Norene, by Keep On, Dr. Welch, Hartford, Kan. 150
Lot 164—Patsy 2d, by Dudley, Peter Grant & Son, Beagle, Kan. 100
Lot 189—Topsy, by Beau Mystic, E. S. Jones, Emporia, Kan. 285
Lot 191—Weston Lass 4th, by Java, H. E. Jackson. 200

POLAND CHINAS**HIGHVIEW BREEDING FARM.**

The only registered herd of big boned spotted Poland on earth. Write for catalog of my big bred sow sale, Feb. 16.

H. L. Faulkner, Box K, Jamesport, Mo.

POLAND CHINAS.

20 early spring Poland China gilts, tracing to the large type Expansion—will sell them bred or open, a few choice spring boars, prices reasonable; satisfaction guaranteed.

Oliver & Sons, Danville, Kan.

MELBOURNE HERD POLAND CHINAS.

I have a few choice spring boars and gilts sired by Gold Metal, Hadley Boy and Klover Boy for sale at moderate prices. Let me know your wants.

John C. Halderman, Burchard, Neb.

POLANDS! POLANDS! POLANDS!

Capt. Hutch, Moguls Monarch and Toulon Prince in service. Big type clear through. 4 young boars for quick sale. 2 July boars that are herd boar prospects.

J. H. HARTER,

Westmoreland, Kansas.

EXPANSION POLAND CHINAS.

A choice lot of Expansion bred fall pigs, both sexes, September farrow, for sale. Nice, thrifty pigs and will be sold worth the money. Mostly Expansion blood, though I have other good ones for those who want them. Get your orders in early.

W. E. Willey, Steele City, Neb.

STRYKER BROS.' HERD POLAND CHINAS.

The greatest show and breeding herd in the West. Write your wants and they will please you. Eggs any age at reasonable prices. Buy the best and make the most. They breed the kind that win, the kind you want. Address

Stryker Bros., Fredonia, Kan.

10 SPRING POLAND BOARS 10

Big, husky fellows, sired by Orphan Chief Jr., and Hutch Jr., out of strictly big type sows; low prices.

J. F. Menahan, Burchard, Neb.

FOR SALE

Three boars, May farrow, show prospects of a high class. See these if in need of a junior yearling next fall.

JEWELL BROS.,

Humboldt, Kansas.

SNYDER BROS.' HIGH CLASS POLAND CHINAS.

Either sex, bred sows and bred gilts, priced right for quick sale. Write your wants.

Snyder Bros., Winfield, Kan.

SHORT GRASS HERD-BIG TYPE--HOT BLOODS.

6 boars by King Darkness, Sept. farrow, 15 bred gilts, 5 are by King Darkness, priced reasonably for quick sale. Write at once. These bargains won't last.

G. W. ROBERTS,

Larned, Kansas.

BERKSHIRES**BRAEBURN BERKSHIRES.**

Pigs, high class in quality and breeding.

H. B. Cowles, Topeka, Kan.

RIDGEVIEW BERKSHIRES.

2 herd boars for sale. 1 two-year-old by Forest King, other males of different agts. Sows and gilts open.

Manwaring Bros., Lawrence, Kan.

MAPLE HEIGHTS BERKSHIRES.

A few extra good, early fall gilts to offer. Also several fall boar pigs. Long, smooth bodies and fancy heads. Write your wants.

J. M. Nielson, Marysville, Kan.

HORSES AND MULES**STALLIONS AND JACKS**

Several Kentucky Jacks from 15 to 16 hands high. One mile from town.

BRUCE SAUNDERS,

Holton, Kansas.

KENTUCKY MAMMOTH JACKS.

Jacks, jennets and saddle horses, 260 head to select from. Tamworth swine, all ages. Catalogs now ready.

J. F. COOK & CO.,

Lexington, Kentucky.

75 HEAD JACKS AND JENNETS

All ages up to seven years old. Guaranteed as represented and prices reasonable.

Special prices for fall trade. Come and see me.

PHIL WALKER,

MOLINE, KANSAS.

35 JACKS & JENNETS 35

Few Good Percherons and saddle stallions. Jacks 14 1/2 to 16 hands and the very largest that can be found. 40 miles K. C. on U. P. and Santa Fe.

Long distance phone.

AL. E. Smith, Lawrence, Kan.



STALLIONS

MR. FARMER, do you intend to purchase a stallion this spring? We have just received a new importation of 25 head of PERCHERON, ENGLISH SHIRE AND BELGIAN STALLIONS. These stallions have never been shown to the public, but our sale barn containing this new importation will be thrown open to our customers on March 12. If you want to get in on the ground floor and get your pick from this importation, you want to make arrangements to visit us at an early date. They are an extra lot of good, heavy-boned, drafty stallions, ranging in age from two to five years and weigh from 1700 pounds up. They are nearly all solid colors.

We also have 40 head of the above named breeds imported last August and October. They are all first class in every respect both as to their breeding and general make-up and will please the most discriminating buyer.

As to our prices, will say that we will give prospective purchasers prices that cannot help but please, breeding and quality considered. We give a straight 60 per cent guarantee without any ifs or ands attached to it. SEND FOR OUR 1910 CATALOG. It is free for the asking. Our sale barns are located opposite the University State Farm. Offices in Lincoln Hotel.

WATSON, WOODS BROS. & KELLY CO.,

LINCOLN, NEB

ROBISON'S PERCHERONS



—FOR SALE NOW—

Twenty-five extra good Imported and American bred Percheron stallions.

PRICES RIGHT.

J. C. ROBISON, - - Towanda, Kansas



HORSE MEN

We want to call your attention to our fine lot of IMPORTED AND AMERICAN BRED STALLIONS AND MARES. SHIRES PERCHERONS BELGIANS. We always have our barn full numbering up to sixty and you would do well to see us before buying elsewhere. Are going to make extra low prices for the next thirty days in order to make room for our spring shipment. We solicit correspondence, and invite you to come and see the grandest lot of horses ever brought together. Will give terms to suit the buyer. Don't buy without looking at these or you will miss a bargain.

L. R. WILEY & SON, Elmdale, Kansas.

Percheron Mares and Stallions Registered

Several matched teams of Percheron mares, all blacks, safe in foal by Imported Stallions. Have both imported and home bred mares. Come and see our horses and satisfy yourself.



Our Motto: Top notch animals, square deal, quick sales, small profits. Make your wants known.

DANIEL WREN, Manager,

EUREKA, - - - KANSAS



BLUE RIBBON STOCK FARM

For sale, 20 head of registered Percheron mares. Safe in foal. Color, ages, weights and prices right. Call or write

LEE BROS., Harveyville, Kan.
Farm joins town.



HOLLAND STOCK FARM

IMPORTERS AND BREEDERS OF
Percheron and German Coach Stallions and Mares

Do you want to buy a stallion for cash?
Go to the Holland Stock Farm.

CHAS. HOLLAND, Prop.

Springfield, Mo.



PERCHERONS SHIRES - BELGIANS

We received on Dec. 30th at our So. St. Joseph barns another carload of Percherons. All of our stallions and mares are imported; no home-bred, short-bred scrubs.

Our prices are the very lowest if you want a square deal, with the best and safest insurance and guarantee. All street cars going south from Union Depot pass our barns; one block from Transit House, one block from the South St. Joseph depot.

PERCHERON IMPORTING CO.,

Chas. R. Kirk, Pres., So. St. Joseph, Mo.



ROSS FARM

Registered

PERCHERON STALLIONS AND MARES, KENTUCKY JACKS, SHORTHORN CATTLE



30 head Imported and American bred mares 2 to 5 years old, several nicely matched teams, a number in foal, 10 head Imported and American red stallions 2 to 4 years old, all extra good, big boned, smooth fellows to head the best herds of registered mares.

Several splendid big boned Kentucky jacks. 30 head pure Scotch Shorthorn cows and heifers. 5 extra good red bulls coming yearlings, pure Scotch and in fine condition.

GEO. B. ROSS, Alden, Kan.

Farm adjoining depot, main line A. T. & S. F. R. R.

MAASDAM & WHEELER

Breeders and Importers of Percheron Horses.

60 STALLIONS AND MARES to select from. Our stock has size, bone and quality. Stallions and mares from weanlings to 7 years old for sale. Imported and home bred.

FAIRFIELD, - IOWA.

HOMEWOOD STOCK FARM, IMPORTERS AND BREEDERS OF PERCHERON, BELGIAN AND SHIRE STALLIONS AND MARES.

Sixty head of stallions arrived August 10th. 40 head of Percheron mares arrived on Nov. 8th. If in the market for a first class animal of either sex, with size, bone, and quality, don't fail to inspect our horses before purchasing elsewhere. No matter what you want in the stallion or mare line, we can suit you, and at a price that will please you. Remember, every animal guaranteed a satisfactory breeder. Our Motto: Prices right, terms to suit, satisfaction guaranteed. No misrepresentations or disappointments on arrival. For the convenience of our Western trade we have established a barn at

Ablene, Kansas.

S. METZ & SONS,

Homewood, Illinois.

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

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE.

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

H. N. HOLDEMAN, Kansas.
Meade.

FOR SALE—I have a good road or general purpose stallion (Standard bred, but not registered) sired by Douglas Almost (6398) by Allie Gaines by Almost (23), dam by "Champtonian" by Hambletonian 10. Bred by the present owner, has never been abused and is a sure foal getter and gets good ones. Fine disposition, \$300 will buy him. Address "H," Box 314, Baldwin, Kan.

M. H. ROLLER.

J. O. ROLLER.



Breeders of registered jacks and jennets. For sale, 14 jacks and 20 jennets, 14 to 16 hands. All black. We raised all of these jacks and broke them. We are not speculators and you get them first hands if you buy from us. 89 miles N. W. of K. C. 65 miles W. Leavenworth. 6 passenger trains daily except Sunday, 2 Sunday. Write for catalog—free for asking if Kansas Farmer is mentioned. M. H. & J. O. Roller, Circleville, Kan.

JACKS.

I have on hand a large collection of the best stallions the world produces. I have the best line of big boned, dapple gray and black ton stallions that can be shown in the United States this season. These stallions measure from twelve to fourteen inches below the knee and from eleven to thirteen inches below the knee and carry corresponding quality. They run in weights from 1,800 to 2,630 pounds each. I am offering greater attractions in stallions than any other importer. Prices the lowest.

I have also forty big imported mares, all in foal, for sale.

W. L. DECLOW.

Cedar Rapids Importing Farm, Cedar Rapids, Iowa.
Register your jacks in the American Jack Register. Write for blanks.

Dunham's Percherons

46 splendid stallions and mares arrived Feb. 9. These, added to our present stock, afford intending purchasers the finest selection in America. If you want the best horses, horses with bone, quality, size, action and best breeding—if you want fair and liberal treatment, if you want lowest prices consistent with good merchandise, visit Oaklawn, headquarters for Percherons in America, and renowned for nearly fifty years as the greatest importing and breeding establishment in the world. Catalog shows the place and the horses.

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

WAYNE, ILL.

JACKS AND STALLIONS

AT QUIET GLENN.
One or a car load of big jacks, the kind you will want and that will do your country good. Come and see a lot of jacks that are all good. Choice of three young Percheron stallions. Come now or write for catalog.

G. M. SCOTT.

Rea,

Missouri.

Percheron Stallions and Mares.

Several nicely matched teams of registered Percheron mares, safe in foal, and a few young stallions for sale, ages from three to five years old. Come and see me.

F. H. Schrepel,

Ellinwood, Kan.

PERCHERONS, SHIRES SADDLERS and JACKS

28 registered jacks and jennets, 12 registered Percheron stallions and mares, 1 imp. Shire stallion, 1 comb. harness and saddle stallion. Good stuff and at prices that will move them. Barns 3 blocks north depot.

Fred Poos,

Potter, Kan.



H. & H. WOLF and DAVID COOPER

Imported and Home Bred Belgian Stallions.

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

DAVID COOPER, Mgr.,

Freeport, Harper County, Kan.

FRANK IAMS' PRIZE STALLIONS

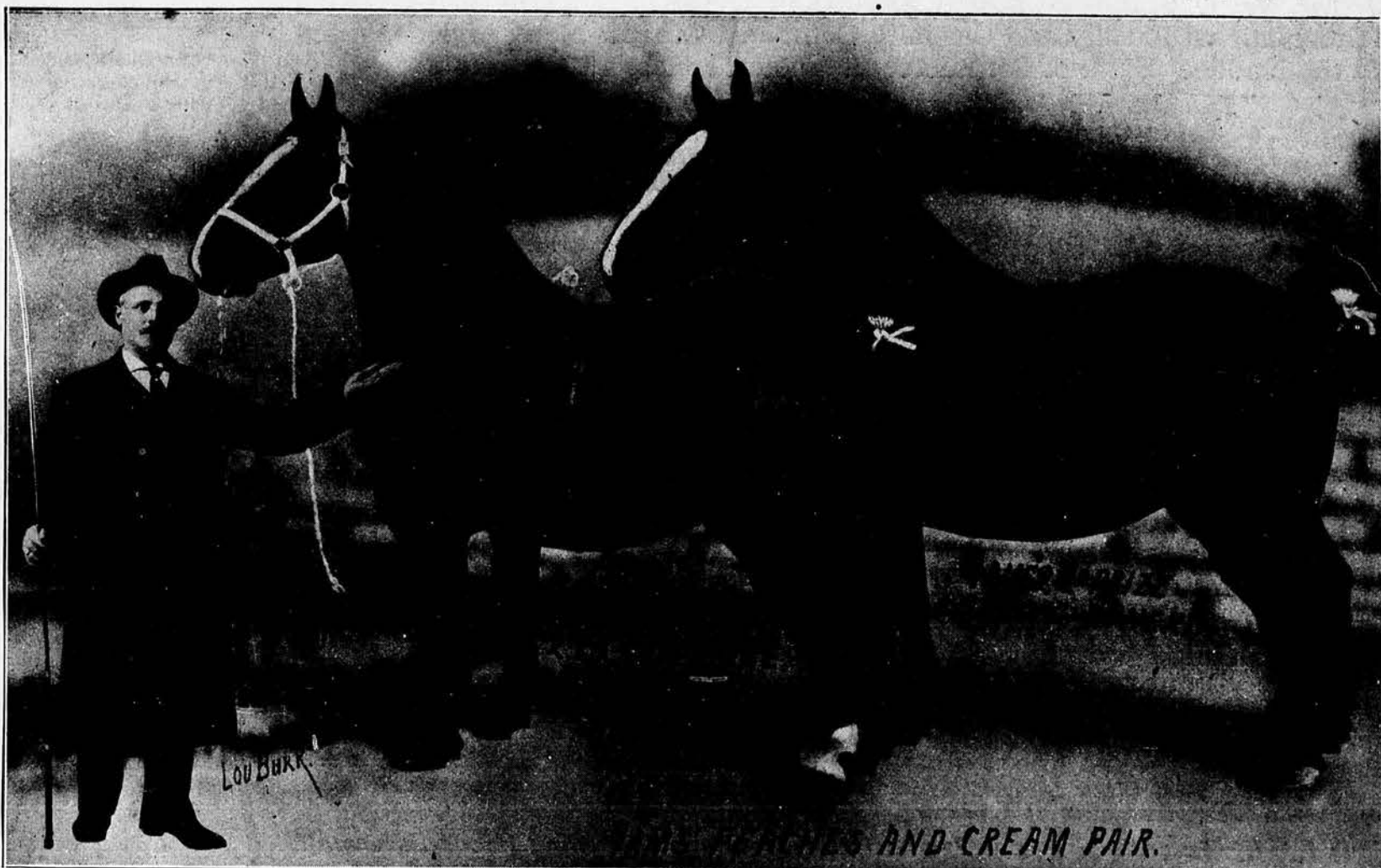
and Mares—"Hypnotize" "carloads" of "Ikey Stallion Buyers" and make them "sit up and take notice," and buy imported horses of Iams. His big "Black Boys" are "Ripe Peaches" and all must be sold. Get on to "Iams money-saving game." Buy stallions and mares today. Get stallions ready for "spring business," Ikey Boy. Be the "early bird," they get the business and the choice of Iams' "Black Boys." "Leave your happy home," and visit "peaches and cream stallion man and save \$1000. Every day is "bargain day" a "horse show day," and a day of "profit and pleasure," at Frank Iams' "Stallion and Mare Emporium," the largest in the United States, at St. Paul, Nebraska. You will positively see here more imported stallions and mares—"top notchers," "medal winners," "ribbon grabbers" and every day "business horses than at any other "horse plant" in the United States, and double all others in Nebraska. Iams backs up his "ads" and catalogues with a "\$500 bonus" (no others do this.) He gives five of the best banks in Nebraska for reference.

Iams 160 Kings and Queens of Percherons and Belgians

are all "top notchers." No international "tail-ends," no "auction stuff" no "pick-ups" or "peddlers' horses," but the best bunch of big-boned, big drafters of quality and finish in the United States, and in the "pink of condition." Iams is a "big fly" in the ointment" in the "house business." He sets the pace for all competitors. Iams "leads the procession," "Ikey Boy." Buy an imported stallion and two mares of Iams, the Horseman, who "does things." Get into Iams' "Band Wagon;" don't be "side-tracked" by any "hammer knockers." Ikey Boy, "waltz me around once again" and land me at "Iams," four importing barns and box office, filled to the roof with big "black boys and girls" at bargain prices. Iams is the only horseman that really has "the goods" as advertised. 1910 promises to be the most prosperous year in history, Mr. "Stand Patter," "come on down town."

All the World Knows Iams, the Horseman

He has a loving feeling for horse buyers. He sold 60 imported stallions and mares to "Iowa Boys" in 1909, and 150 "top notchers" to the boys with brains in other states. Iams sells \$4000 imported stallions at \$1000 and \$1400 (some higher); imported mares in foal, 1700 to 2400 pounds, at \$700 to \$1000; many medal winners. Iams sells the "wide-as-a-wagon" kind that don't need to be peddled or put on the "auction block" to "catch suckers." Iams is a horseman in a class by himself; he is selling more horses yearly. Ikey Boy, "don't be the lobster," be "the wise guy after all." Try Iams, the "peaches and cream" stallion man. He is the largest individual importer and breeder of Percherons and Belgians in the United States. Iams has a "warm spot" in his heart for all stallion buyers.



He Saved \$300,000 to Stallion Buyers

in 1909, by selling direct to the people saving all the middleman's profit. Iams is an expert horseman. He knows the "top notchers" and delights in selling first-class stallions for less money than any competitors. He is "a pushin'-and-a-shovin'" high prices off the Christmas tree. He is "Johnny on the spot." He is selling more stallions than any ten men in the United States. He knows the tricks of the slick stallion salesman that are "pulling the wool" over the eyes of the honest farmers and selling them a \$1200 stallion for \$3000 and \$4000. "Son Ikey!" form your own "stallion company." Visit Iams' town of barns filled to the roof with big "black boys" the "best ever"—"Iams kind."

His 160 stallions and mares, 2 to 6 years old, weight 1700 to 2500 pounds, 90 per cent black, 60 per cent ton horses, are a horse show better than the "International."

Iams' 1910 Horse Catalog is an "Eye Opener"

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

'sell you a better stallion at \$1000 and \$1400

(few higher) than are being sold to farmers' stock companies for \$2500 and \$4000; with 60 per cent breeding guarantee, with freight and fare paid by Iams. He can furnish buyers \$1500 insurance. You say, "why can Iams sell better stallions at half the price of others?" Iams buys and sells every stallion himself. He buys by special train load, 200 at a time. He speaks the languages, saving 20 per cent. He is not in the "stallion trust" saving you \$300. He pays no "slick salesman \$100 to \$1000 to sell you a fourth-rate stallion. He has no two to ten partners to share profits with. He pays spot cash for his stallions, owns his farms, houses, barns, stocks and stallions. He sells stallions by "hot" advertising and having "the goods" to make every statement good. Iams sells stallions so good, that they do not need a "slick" peddler or the "auction block" to sell them. Special prices made at Iams' barns only.

Iams will save you \$1000 in commissions

and middleman's profits. "Papa dear" buy me a pair of imported mares of Iams. They will raise me colts at six months old, that will sell for \$500 and be good for twenty years. Iams has the kind that lay these "golden eggs." Don't let one of these "auction men" "hand you a lemon" with one of these so-called American full bloods with questionable breeding. Iams' "selling clothes" fit all buyers. Write for Iams' Million Dollar Horse Catalog. Iams' guarantee is backed by one-half million dollars. References: Omaha National and First National, Omaha; Citizens National, St. Paul State Bank, and First State Bank, St. Paul, Nebraska.

ST. PAUL, - - - NEBRASKA

GUARANTEE BOND
\$75,000
NATIONAL FIDELITY CASUALTY CO. OMAHA

Trus
Receipt
\$75.00
W.C. SHINN-GUARAN
AS GOOD AS GOLD

Mr. W. C. Shinn has posted \$75,000 in the form of a bond. It is issued by the National Fidelity and Casualty Company, Omaha, Neb., and deposited with the National Bank of Commerce as trustee. Here's the receipt:

That bond backs this wonderful rod! It stands behind your judgment in choosing the only absolutely perfect lightning protector in the world! Every guarantee and promise in this ad—in all W. C. Shinn's advertising—is vouched for by a fortune! An insurance policy FREE! That's what these bonds and guarantees will give you.

No other lightning rod on earth is or can be made to come anywhere near the Shinn standard, for **Shinn Rods possess maximum electrical carrying power**—no bolt is too big or too strong for **Shinn Rod** to shoot it harmlessly straight down into the earth! No higher degree of efficiency is obtainable!

The Shinn special construction process produces greatest possible conductivity. Shinn 1910 rod is 3 cables in strength! It's heavier than ever before. Visit your dealer at the earliest opportunity and actually prove this to your own satisfaction. Inspect the **strands of Shinn's Pure Copper Cable Lightning Rod**—each strand a protector in itself. See the large center strand—the copper cable which prevents the lightning stroke, making it absolutely harmless!

This rod is built on Nature's laws—infallible scientific principles—discovery of which have given Mr. Shinn the deserved title of **Conqueror of Lightning!**

Shinn's Lightning Arrester for telephones makes it possible, without the least trouble or danger, to use the 'phone during any storm. Your dealer will attach the arrester on the outside of your home.

Lightning may run for miles along the wires, but the instant it nears the arrester it is sidetracked and shot down into the ground! Terrific bolts are made harmless. Don't depend on the mica fuse in the 'phone. Lightning bolts that leap 5 miles from sky to earth aren't going to stop because the fuse has disconnected the 'phone. They jump clear across the gap and into the 'phone!

Scientific investigations prove the **Shinn Lightning Arrester** is the only absolutely sure way to balk the bolts! Your 'phone is always in working order during storms. Besides, your home is protected against fire caused by lightning.

Can you say that about your farm home and buildings? Your neighbor, whose place is equipped with Shinn Pure Copper Cable Lightning Rods, has not only made his buildings lightning-proof forever, but he is practically insured against fire caused by lightning! Now is the time to act—before the storm! Protect your home and buildings with the only absolutely perfect rod—the only rod that world's scientists sanction and urge all farmers to protect themselves and property with.

Get Shinn Rods at your dealer's or fill out and mail accompanying coupon and we will give you the name of the nearest dealer who will supply you.

Every dealer who sells Shinn Pure Copper Cable Rods has Shinn's Thunderstorm Machine on exhibition. He will be glad to show how this fascinating miniature storm producer demonstrates the protection of Shinn Rods. It shows just why no building equipped with Shinn Rods can be struck by lightning. If your dealer has not yet secured this wonderful machine, mail us the coupon, giving his name and address and we will tell you just where you can see this device at work.

Shinn Pure Copper Cable Rods protect the University of Nebraska's main building. The main chimney of the Beatrice Creamery Company's enormous cold storage plant is protected by carrying the cable lightning rod to its very top, making it absolutely lightning proof.

That's the title of Mr. Shinn's own book, which proves how easy to understand, how plain and simple are the laws of lightning. It tells what articles in any home attract lightning bolts, and tells how to best guard against loss of life and property. ***The coupon will bring this book FREE***

W. G. Shinn, 361 North 16th St., Lincoln, Neb.

Mr. Shinn and his world has gained for him the
conquerors of lightning. Learned
college professors are amazed at
his success. Among their investi-
gations they analyzed the copper in
the cable used in Shinn Road. Here
are the results of a few:

"University of Massachusetts.
The sample of Copper Cable sent
to me has been analyzed and found
to contain 99.84% pure copper."

PROF. A. D. WILCOX.

"State University of Iowa.
The sample of Copper Cable upon
analysis proves to be practically pure
copper, since I find that it contains
99.85% copper."

PROF. W. J. KARSIAKE.

**Shinn Lightning Arrestor
Fully Protected**

Take your choice of scores of handsome vases that will beautify your buildings. What do you pride yourself on raising—sheep, cattle, hogs, horses, poultry—no matter what you raise the most of, we've got a handsome vase to ornament your buildings with—a regular business card!

Our new "Sequah Vase" is the sensation of the year! It is perfectly modeled after the famous imported English Hackney, "Sequah."

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R. F. D. _____ **State** _____

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