

# KANSAS FARMER

FOR THE IMPROVEMENT

OF THE FARM AND HOME

No. 49, Number 26

TOPEKA, KANSAS, JULY 1, 1911.

Established 1863. \$1 a Year

**T**HE Stars and Stripes is the oldest national flag in the world, and stands for more of material progress and human well-being than any.

Born amid the roar of cannon, the struggle for food and the war against nature on an inhospitable coast, America celebrates her natal day in a mimic of her earlier stress.

Man was painted before he was clothed; chivalrous before he was civil; builded temples before homes and the savage is in him yet. When his boy sings his hair and frightens the team with "crackers" invented by heathen to scare the devils; gives himself the lockjaw with a toy pistol and riots in pink lemonade and "hot dog", does he show the savage or do honor to the flag?

The grace of all the humanities is in our starry emblem and its honor lies not in a carnival of noise and excess.

—I. D. G.



*The Casualties of Peace are Only Less Than Those of War*





## Have You An Early-Rising Problem?

Is it hard to get "the help" out in the fields on time? Then, let me solve it.

I'm Big Ben, "the big watch with a breakfast bell"—the truth-telling and reliable alarm clock.

I get you up. I never fail.

You are always first in the field if I am in the sleeping room.

See me, today, at some good jeweler's. Hear me ring my breakfast call.

Learn why I keep watch-time.

\$2.50 is my price. When you know me you'll be glad you paid it.

"Plow deep while sluggards sleep," said old Ben Franklin.

"It's time for wise men to get up," say I, Big Ben, the reliable alarm clock.

## BIG BEN

Care of WESTERN CLOCK CO., La Salle, Ill.

If your jeweler doesn't sell me I'll come express paid on receipt of \$2.50

(72)

## 40-in. Barred White Lawn 15c

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WRITE TODAY FOR FREE PAMPHLET. And prices on finely ground phosphate rock, the cheapest and best of all phosphate fertilizers. W. J. Embury & Co., Columbia, Tenn.

### The Tent Caterpillar.

The forest tent caterpillar appeared and did much damage this year in southeastern Kansas. Dr. T. J. Headlee, state entomologist in charge of that department in the State Agricultural College, has received some interesting reports of the work of this pest. In parts of northern Oklahoma and southern Kansas, Dr. Headlee says, the forest tent caterpillar has appeared in enormous numbers. So serious has this outbreak become that thousands of acres of timber have been completely defoliated, and the caterpillars are now at work on fruit and shade trees.

"In their movements," said Dr. Headlee, "these caterpillars resemble the army worms in many respects. They travel in large bodies and congregate on anything in their path. Tree trunks, telephone poles, fences and even houses, in some parts of Chautauqua county, are black with them. Many farmers complain that the caterpillars get into the wells and watering troughs. The caterpillars are now from two-thirds to full grown, and are beginning to pupate. In some of a week or two they will all have disappeared. The moths will emerge about a month later and lay their eggs on the twigs and branches of the trees. These eggs will remain until the next spring when the young caterpillars will hatch."

The forest tree caterpillar is blue headed with a line of silvery, diamond shaped spots down the middle of its back. These insects frequently defoliate oak, apple and other trees in late spring and early summer, and when not feeding assemble in clusters on the sides of large limbs and trunks. It is not a new pest. For a century or more it has been known as a destructive insect. It has ravaged orchards and woodlands at intervals from Canada to the Gulf. According to Riley, once state entomologist of Kansas, later a national authority, the forest tent caterpillar was so abundant in 1862 at Memphis that occasionally trains were stalled. Extensive damage from this insect has been reported from Virginia, Arkansas, Missouri, Maine, North Carolina, Ontario, Illinois, New York, Vermont and New Hampshire. In fact, it may be found in almost any part of the United States.

As its name indicates, the forest tent caterpillar feeds mostly on the foliage of trees and shrubs, including the following species: Linden, maple, locust, peach, plum, cherry, rose, apple, white birch, grape birch, sweet gum, dogwood, black gum, sour gum, ash elm, black walnut, hickory, black oak, post oak, willow and poplar. In the present outbreak it has shown its inability to consume the foliage of the Tree of Heaven, called by some persons in Kansas the Tree of Paradise. Apparently the foliage of this tree is poisonous to these worms, for the ground beneath was strewn with their bodies and they were constantly dropping from the tree.

Fortunately, thus far these pests have over run only a small part of southern Kansas borders. With the possible exception of protecting some shade or fruit trees thus far unharmed but likely to be ascended by crawling caterpillars, nothing can now be done to lessen their work this year. Trees of this kind should be given a band from six to eight inches wide, at a convenient height from the ground with "tree tanglefoot" upon it. Perhaps the best way to prepare tanglefoot is to put a tight fitting paper band about the tree and cover the paper with a heavy coat of tanglefoot. The band can then be easily renewed by replacing the paper and mixture.

Naturally, the questions in the minds of those who have suffered loss this year are: Will these worms come next year? If they do, what can be done to protect our orchards, shade trees and forests? The first question can not be answered with certainty. Predacious and parasitic enemies may destroy the caterpillars, or freezing weather next spring may kill them. Orchards regularly sprayed for the destruction of insects and fungous enemies will not be troubled for these worms will be destroyed incidentally unless the caterpillars assume the army habit and travel in great numbers from adjoining orchards and forests which they have defoliated. In this case they should be destroyed in a ditch barrier. As quickly as any of the shade trees show the feeding of these caterpillars,

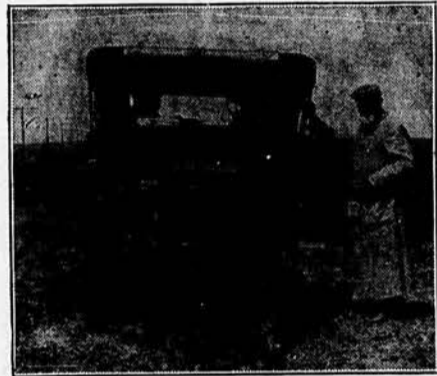
the foliage should be thoroughly sprayed with arsenate of lead, at the rate of about 5 pounds of the arsenate to 50 gallons of water. In forests such measures owing to the large acreage and the comparatively small value of the individual trees, are impracticable, and the individual owner must await the action of natural enemies and unfavorable conditions.

During the summer of 1899, authorities in Saratoga Springs, New York, offered a bounty of ten cents a quart for the white cocoons which the worms spin and occupy between the time they leave the trees and the time they emerge as moths. When towns or cities become badly infested this method would prove worth while for every female destroyed would mean the prevention of the work of about 150 hungry caterpillars. When individual, unharmed trees are to be protected, the tanglefoot band should be employed.

### Go to Town After Day's Work.

One of the disadvantages under which the farmer has labored in the past has been his inability to get to town in the evenings to attend prayer meeting or to see the "show" without depriving his horses of the rest they had earned by a hard day's work and that they needed to fit them for the work of the next day.

This disadvantage has been done away with by the automobile, at least



GOES THROUGH MUD ALSO.

in the estimation of William Shroder, a substantial farmer living near Ravenna, Neb., who has recently written as follows:

"I received your letter some time ago, but have been too busy to answer. I live seven miles from town. I can do a day's work and go to town and get back before bedtime. My neighbors own cars too, but want to sell them as they have too much trouble with them. But the old Hudson goes. It is the only car that will give the farmer satisfaction. My car has never been in the shop yet. I have run it over a year."

### KANSAS FARMER'S MODEL FARM.

Plans and descriptions for KANSAS FARMER'S model eighty acre farm are coming in daily and they are fine. Some one will get those prizes, though some have sent home plans only and omitted the farm plans.

As this farm is to be a paying proposition as well as a home, the farm plans are necessary. These can be made from your own farm or from that of a neighbor, or both combined while the house plans may be selected from some of the catalogues furnished by the advertisers who furnish building materials for a completed house. Perhaps such companies and firms have made a more economical study of the house plan than you can. If so, get one of their catalogues and adapt one of their house plans to your scheme.

Make the farm plans and the description as early as you can because the competition will close July 11 and you want to be in the race. The value of your work in preparing the plans will be worth much to you in addition to the prizes you win. Read the advertisement again.

### OUR BIRD FRIENDS.

Dry weather is conducive to the welfare of insect life and their ravages are felt more at such a season because the green crops tempt them away from the dried up natural vegetation. Dry weather is also conducive to the welfare of wild bird life in that it affords better opportunities for hatching and gives them a larger food supply in the increased number of insects.

Practically every bird that is seen on the farm is a friend to the farmer.

## Your Worn-Out Good for More



The Good Tire Protection Knock 23 More off Bills. This vice Gives Apparently Tires and age Follows Blowouts ed Tires. Worn-out ly worthless be made means of

Inside-Tire Protector. So do away when seemingly "they repairing," but still have a in the tread.

Simply fit the Goodyear Protector inside the casing and the given the tire's walls produce age—and cuts down tire expense. If your car is overloaded at your tires against blowouts withious device. The Goodwear Protector will get the same car blowout or a break in the fabric of this protector is insignificant big paying investment! Good Patches, Lever-Handle Grips, Gum and other Goodyear Accessories of motoring needs.

Your dealer or garage man you with the Goodyear Inside-Tire Protector and other Goodyear accessories he does. The reduction of worth it many times over! interesting leaflets today. Address The Goodyear Tire and Rubber Company, Akron, Ohio. Forty-second Street, New York City. Branches and Agencies in all Cities.

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PURE WATER is essential for hogs. Buy an over-ready Handy Fountain. It will not attach easily to tank, barrel or pipe and is superior to all others in its class—the most important place. We guarantee satisfaction. Insist on the Handy from your dealer.

NOVELTY IRON WORKS

With the exception of sparrow these birds make him by their destruction quantities of insects on weed seeds. The safe way is to protect all kinds of the English sparrow and every boy and girl to guard Parents should instruct and teachers their pupils and life may be protected during a dry season when ages of insects are so numerous farmer needs the help of lies.



# KANSAS FARMER

## EDITORIAL

### WHEAT QUESTIONS.

to the lack of soil moisture in some sections of the state crop has not developed as well as to be desired and question methods in wheat growing are now because the preparation of the soil for the crop of 1912 is very shortly.

of wheat culture method A. M. TenEyck recently

the stubble immediately will usually give some much prefer early plowing the use of the disk after rather than before. Unless follows the disk within a reasonable time it is doubtful whether will have a beneficial effect. Heavy beating disk turns the soil and the stubble. Heavy beating pack and firm the surface more after than before disk. Efficient rain follows disking with weeds will start and allowed to grow too much the soil of moisture.

and last fall, also that the did not plow so well as that was not disked. This two reasons; first, we used in disking and the heavy plowed the ground so that it be plowed well. Also the interfered very much by the plow.

we had a very long drouth which ought to be a serious methods. At this date we are no marked difference in wheat on the ground disked after harvest and which was not disked, at the same date. The plowing is also not marked based growth of wheat. The drouth has brought the all the plots to about the condition. In fact, the only which shows a marked advantage the growth of wheat at summer fallow with some, the soil did not plow in 1909 but was cultivated to conserve the soil moisture in the soil a year's which has resulted in production of grain this season, not hope for even an average from well prepared seed a crop was not grown last standing a good rain has rain gauge registered 1.10 precipitation May 21.

this year's crop indicates preparation of the seed-bed no appreciable advantage where the land was summer et we have had marked crops from extra tillage in which were not too extensive. In fact it is my contention good farming pays best in the season.

western country we have a in which a wheat crop produced under almost any farming. We have "crop when conditions are so at even the best methods fail to produce a paying have many average years moisture conserved by extra cultivation is sufficient to crops through under unfavorable for growth, while on not so well tilled injury to would be much more se-

the betterment of the soil or the country road your support, not your too hot to get angry and these things will benefit you.

der that silo early as the will be rushed later on. ure in summer and short in winter have no terrors of a silo.

frequently retire to the low old when they should on the farm to grow

who never had a colt in barbed wire fence either believer in luck or else he en wire.

With which is combined FARMER'S ADVOCATE, established 1877.  
Published weekly at 625 Jackson St., Topeka, Kan., by the KANSAS FARMER COMPANY.  
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**SUBSCRIPTION PRICE**—\$1.00 per year; \$1.50 for two years; \$2.00 for three years. Special clubbing rates furnished upon application.

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

**PUBLISHERS' GUARANTEE TO SUBSCRIBERS**—KANSAS FARMER aims to publish advertisements of reliable persons and firms only, and we will make good to any paid-up subscriber any loss he may suffer through fraudulent dealing on the part of any of our advertisers, provided complaint is made to us within thirty days after the transaction, and it is shown that the subscriber, in writing to the advertiser, plainly stated: "I read your advertisement in KANSAS FARMER." We do not, however, undertake to settle, or be responsible for the debts of bankrupts, or for petty and trifling disputes between a subscriber and an advertiser, although we extend our good offices to that end.

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

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

KANSAS FARMER COMPANY, TOPEKA, KANSAS.

### THE SEASON AND THE SILO.

The present season, more than any of recent years, has not only emphasized the value of the silo but the necessity of having it always ready for emergencies. Crops that must be harvested early in order to save them can find an excellent place in the silo while short pastures have no terrors for the farmer who has a supply of silage on hand.

In a recent farmers' meeting it was stated by an authority that the farmer who is equipped with a silo, who has planted a goodly acreage of Kafir or milo for grain and who has an alfalfa field has little to fear from any vagaries which the weather may assume whether he be a dairyman, a beef farmer or a hog raiser.

Certain facts about the silo stand out prominently and demand the attention of all. By its use the entire crop can be saved instead of only a part of it as under the common practice. A variety of crops can be preserved in the silo with excellent results. If the weather is too rainy to permit of the proper saving of the first crop of alfalfa it can be made into excellent silage. Corn, of course, is the ideal plant for silage and can be saved entire thus doubling the returns from the corn fields. Kafir or milo makes good silage as will also soy beans, cow peas and other crops.

The silo is a storehouse where crops can be preserved in their most palatable form for use by live stock during winter or seasons of short pasture and, because the present season has become what it has, the demand for silos will undoubtedly be much greater than ever before.

It becomes desirable, therefore, for those farmers who plan to buy silos to get their orders in early as the factories will be worked to the limit later on, and delay may ensue.

The silo is necessary and an early order for one is desirable.

This spring has afforded the best weed killing weather that has been experienced in many seasons and the corn fields were never in better condition. Those who have adopted even a little of the gospel of dry farming have profited by it. The main thing is proper cultivation and by this is meant a stirring of the ground after each rain so as to prevent a crust from forming and to provide a dust mulch.

Let up a little. The world will not collapse if you take a little relaxation during the hot spell. Go fishing or go to town or go anywhere for a brief bit of rest and you will double your capacity for work when you come back.

When the rush of work is over do a little figuring and more labor on that ice house. Wouldn't June, 1911, have been both shorter and pleasanter if you had owned an ice house fully loaded?

### THE REAL FARMER.

In story books, in magazines and cartoons, the farmer is still pictured as the "hayseed," who wears but one "gallus" which is attached to his "britches" by means of a nail or a splinter from the rail fence and who still wears calf skin boots and a slouch hat and chews a straw.

Such a farmer may once have existed in some parts of the country but he is probably out of date there and he would be a real curiosity in Kansas.

The real farmer is very human and very self respecting. He has needs and desires like those of other men. He dresses like any business man and, during the last dozen years, he has prospered rather better than his fellows in other walks in life.

He does not make his money by any get rich quick scheme and he is careful how he spends it. He buys of what he needs and pays cash. He is the best customer of the local merchant, of the implement man and of the manufacturer. He is naturally shrewd and has to be convinced as to the quality and value of what is offered him but when he has "been shown" he is a liberal buyer.

The farmer of today is a student of both nature and books. He is an expert machinist, a good business man and a first class citizen. His use of machinery and his knowledge of climatic and soil conditions enable him to take every advantage that is offered him and this allows him ample time for thought. In his thoughts there is always found the welfare of his family occupying the first place and instead of devoting his whole time to raising more corn to feed more hogs to buy more land to raise more corn he devotes a large share to the proper training of his boys and girls.

He votes money liberally for the support of the schools and he is now alive to the question as to whether he gets value received.

Honest goods honestly advertised are attractive to the Kansas farmer and he looks into questions pertaining to the education of his children or those concerning public policy.

When you read the tempting advertisements of other farms for sale in other states and think you would like to sell out and move to a new location just get an experienced land agent to write a description of your own farm and then read that. It is a good cure.

This editor operates a small tract of ground "between times" and he began by plowing under a good supply of livery stable manure and then keeping the ground in good tilth ever since. He has more crops, more fruits and more flowers than any of his neighbors and the ground is in fine condition. It all resulted from doing things at the right time.

### DRY FARMING.

Dry farming methods have assumed such importance that they serve to mark an epoch in American agriculture. Not because the methods or the idea is new, for they are both very old, but because of the fact that their real value has just begun to be generally appreciated.

The term "dry farming" is something of a misnomer in that it suggests, and is generally accepted as meaning, that system which is applicable to dry or semi-arid regions only, whereas it is really the best method and is applicable, in many of its phases, to all regions.

The great plains region of the United States has a wonderful climate, a rich soil and is fitted by nature to be a most productive region except in the one essential of rainfall. That portion of it which lies within the borders of Kansas has an ample supply of rainfall for the production of bountiful crops but this is not evenly distributed and careful methods on the part of the husbandman are necessary. These methods in the aggregate are called "dry farming."

It is a curious fact that grains and grasses grown in this western section of our state are much richer in essential food elements than the same species grown elsewhere. This is why it is said that Kansas wheat is "stronger" than other wheat and why the northern millers find it profitable to buy it for use in "tempering" their own when making flour.

It is also curious that, under western conditions, all profitable crops seem to develop the minimum growth of stem and the maximum of grain or leaf, the most valuable portions of the plant. It is noteworthy that these crops when once acclimated, will endure an enormous amount of "punishing" by adverse weather conditions and still give a good account of themselves when the harvest comes.

Dry farming means much to Kansas in the discovery and adoption of new methods and new varieties and with these has come the profitable tillage of thousands of acres of wheat that was once a dreary waste and the opening up of opportunities for homeseekers under conditions much more favorable than those to be found in much more thoroughly advertised sections of our country.

### THE FARM BOY.

"I want to thank you for the splendid editorial in the last issue of KANSAS FARMER on 'The Farm Boy,' also the most excellent tribute which you recently paid to the mule. Both are expressions that should be read by every farmer.

"It is my opinion that the average farmer boy does not get the personal consideration that he should have and that this is one reason why he gets tired of farm life and goes to the city where he so often meets disappointment. The average farm boy is ambitious and is of noble sensibilities, which facts are too often overlooked by parents who have other considerations in mind. You certainly put it correctly when you say that 'Boy culture is better than baby beef and his training than many harvests.' Would that every rural parent could grasp the significance of that expression. It contains sentiments that are practical as well as beautiful. I think those front page editorials in KANSAS FARMER are always appealingly effective."—E. C. Cook, Sedgwick Co., Kan.

The other day we had occasion to write an advertiser using the address given in the advertisement. The address happened to be a box number on a rural route. For the moment we forgot the Postal Regulation to the effect that mail addressed to R. F. D. patrons must be addressed to some individual. But the Post office officials who handled our letter did not forget it. Our letter was promptly returned with a notation on the envelope to the effect that it was undeliverable, being addressed only to a box number on a rural route. The advertiser who paid for that ad is probably wondering why he gets no replies, and the nice(?) things he is saying about the papers which may be carrying his advertising would be interesting, no doubt, to the publishers.



# MIX BRAINS WITH SOIL

## Dry Farming Methods Produce More Valuable Crops At Lower Cost

By JOHN T. BURNS, Sec'y International Dry Farming Congress

The best commercial fertilizer to mix with your soil is well trained human grey matter. The farmer who thinks he can operate without mixing brains with the soil is doomed to failure. I know it is generally said the farmer is the most difficult man to deal with in matters of education and I know that there are a certain percentage of men on the farm, as is the case with every other vocation in life, who prefer not to learn anything new. I know that I am to say a few things to you today that are more or less revolutionary and hence that you may not all agree with what I say, but the time has come when the American farmer must face the cold hard facts of life, must realize the importance of his own business standing, must be made to study out his own salvation, must be helped whether he will or no, into the proper relation with his fellow man as the peer of the American citizen. Not long ago the agricultural colleges of the United States were looked upon as places where the farmer's boy could secure a few frills to add to the three R's that had so long been considered adequate farmer's education, and where the city boy could waste a few years in learning how to farm from books when he might better be learning how to scientifically "jump a counter" in some dry-goods store.

A few years ago a majority of the bulletins issued by the agricultural colleges were thrown into waste baskets and the bulletins of the federal department were supposed to be composed largely of Latin descriptions of things that the farmer know all about.

A few years ago the people in the east were satisfied that a man who would move west and buy water to distribute on his farm was hopelessly insane or suffering from paresis, and but a very few years ago it was thought that the man who took up a home on the plains of Kansas or Colorado must be "hard up" for a location. In fact prejudice, even in this very day, still leads some people to believe that dry farming is something only to be adopted by "poor white trash" who haven't the brains to locate in a better part of the earth.

Today, you men and women of Kansas, although I understand that last year there was some opposition to adopting the term dry farming in the official name of this great state division of the dry farming congress, you have reason to be proud of the fact that you are dry farmers. I am here to say that the dry farmer, if he farms according to the proper system, is the best farmer on earth and I challenge any man to disprove the statement.

Do you know that dry farm crops contain a higher percentage of the required food elements for man and beast, than any other form of crop that is grown? Do you know that compared to the investment of money and labor, the dry farmer—provided always he is not most unfortunately located and is willing to do the work and follow the methods necessary to dry farming—earns a higher interest on his investment than any other farmer except he be specializing upon some highly profitable crop not adapted to the great majority of agricultural acreage?

When the great wave of immigration started westward and men faced the hardships of the unknown west, God raised up a movement which became a source of power to all men who would accept, and irrigation brought the west into commercial and political prominence. It became the Mecca for thousands of men who in prophetic vision saw the empire that has since been built west of the Missouri river.

But irrigation demanded that the lakes and streams of the mountains should give up their glittering silver drops to the hungry acres and soon it became a question of supply and demand with the supply limited. Today, my friends, we are facing this one great problem; enough irrigation water for fifteen per cent of the agricultural acreage of the west and eighty-five per cent of the rich, promising, unused acres staring mortal man in the face, crying out for the plow, crying out for its change to give up the wealth within it, crying out to be nursed and nurtured and trained to give up the food and the clothing for

a nation suffering under the yoke of high prices and low production. And the eternal question stands before us, where are we going to get the irrigation water—this silver stream which must amalgamate the soil and crop and feed and clothe mankind?

Do you know that sixty-three per cent of the earth's agricultural acreage still awaits the plow, still lies molding, wasted, a national crime indeed, it seems to one who has traveled over miles and miles without a house, without a man, without a section stake or stone.

It is a national tragedy—a picture so disheartening that it should appeal to every true westerner to do his part in painting out the dismal colors and painting instead a picture of hope and progress, with prosperous homes and the wheels of commerce singing a new song of joy.

The Dry Farming Congress is in response to a call from Heaven that the vast acres of the earth should be opened for the homes of the thousands upon thousands of men and women huddled together in the reeking cities of the east. They call for a revolution in agriculture and my friends, today I am happy to say that this revolution is sweeping the world, and France, Hungary, Russia, Brazil, Chile, Argentina and many other nations have joined hands with you men of Kansas in this great international movement.

In far away Australia and New Zealand the same problems that are being worked out by you are being worked out by the progressive farmers under their own flags. The once talked of land of eternal thirst in South Africa is, like our great American plains, being made into a map where towns and cities and railroads and commerce and men are building for tomorrow and the future. Where fifteen years ago the traveler through Algeria saw a monotonous, never ending, sky line of wind swept plains, today are prosperous towns and cities, and thousands upon thousands of well kept farms.

After all you men of Kansas you have no reason not to believe in yourselves. Whether you think so or not, you are members of that cult which comprises the oldest form of agricultural science in the world, the dry-farming cult. You haven't gotten hold of anything new. Dry farming is an old fashioned proposition. Fifty years ago, over in Utah in the Great Salt Lake Valley, there was established the first dry farming experiment station, and it is there yet and it has never ceased business. In 1880, in the Big Bend country of Washington, the farmers were producing profitable crops under dry farming methods, a little less exact and a little less scientific than those of today but still dry farming, and in 1890 they began on a large scale working out the alternate cropping and summer fallow system. Hilgard of California says that dry farming in that state began in 1868.

In 1879, Colonel Powell produced the first dry farming publication when he wrote of the arid lands of Utah. When the great immigration movement swept on to the western plains fifteen years ago, it brought to us many homesteaders. The majority of them came near starving to death because they had never heard of dry farming and most of them couldn't stay long enough to learn of it.

Soon after the dry farming method became generally known the land man with his usual foresight into business possibilities, began to exploit the great plains and millions of acres changed hands at ridiculously low prices. I am not here to say that it was not a good thing that it did change hands for it passed into the control, most of it, of individual owners who have since made at least some, if a limited use of it; and I am not here to say that the land man was wrong for it was a straight business proposition and you or I would have taken advantage of the situation. But there came a time when the people of the plains decided to know the truth about this much talked of dry farming, to know whether it was dangerous to the public and so there came into existence the Dry Farming Congress, and today my friends, we have actually settled the question as to the legitimacy of the dry farming movement. It is here. It is the biggest and best and the most practical agricultural uplift movement ever attempted in the world, and sixteen nations stand today, enrolled with you ready to cooperate with you in investigative and educational work.

At first everybody was suspicious. The United States Department of Agriculture feared that it was a land agent's scheme and various other things that it might have been but was not. The agricultural colleges of the west came, sat in the back seats, and pondered over the movement.

The line of demarcation between the dry farming and rain belt countries is rather difficult to define. In Oklahoma, for instance, 24 inches to 25 inches of rainfall equals 16 inches in Montana. Altitude and latitude affect the conditions under which the farmer must work and there are some countries where rainfall up to 30 inches can be considered dry farming and so now we have come to look at the dry farming map from the standpoint, not of rainfall but of evaporation. I do not care how much water you get in your soil, whether it is 10 inches or 30 inches, if you don't keep it there you will be rather a dry farmer in all truth.

The Dry Farming Congress holds that the successful operator must be a "lay scientist" if the expression may be allowed. He can no longer take chances with haphazard methods, he can no longer shy at the agricultural colleges or the libraries. If he is wise he studies his own farm and knows: What his soils are good for, what they will most successfully produce; the effect of his altitude and climate; the

time of his rainfall and its effect on his crop; whether he has soil to stand rolling or packing, or mulch or a coarse mulch; whether he should use a subsurface packer, roller, and when to use it; whether summer fallow or not; whether a seed breeder and know how to select his own seed; he should be a breeder of plants and know how to select the drought resistant qualities of various crops; he should know the machinery it is best use; he should know everything that he should know about the business.

In the rainfall regions the problem is how to maintain fertility but in the sub-humid regions is a greater problem how to get the moisture. Some soils must be considered. No man would build a reservoir with a bottom and no farmer would waste time in establishing a reservoir in a dry farming district a subsoil that cannot retain water.

You may be told by some speakers during this meeting that deep plowing is a mistake. In soils where deep plowing is an impossibility, but thank the Lord not all the farms are located on hardpan or shale, and not all are moving soils. The evidence of every part of the earth is that a man can plow and plow fully, at a reasonable expense, and he will be his financial reward for his work. This does not hold in localities where soils are in a blowing. In the sub-humid regions of Switzerland and Hungary, they even go as deep as 24 inches. Russia they plow as deeply as can with moldboard and use a subsurface attachment to loosen soil. Experts of Colorado, Utah and many other states known to you, get down to 12 inches and one of the latest devices which will soon revolutionize present agricultural plowing machinery is the deep tilling machine which plows 16 inches deep. This is being tried out on the Station farm by Superintendent Eyck. Deep plowing is doing some parts of Kansas unless moisture with which to fill a reservoir.

There are some who do not with the deep plowing proposition. We all have our differences of opinion but when a case goes into court the jury, it is the preponderance of reasonable evidence that counts. Say to you that the evidence is to prove that, where the soil stands it, a man should plow deep as he can get down.

If you mix brains with you don't care whether you are a wet farmer, or a dry farmer, or, by the way, an irrigationist, you will prosper crops.

The dry farmer who operates properly, produces a heavier wheat that contains more gluten and better milling wheat and more money. In Montana last year a number of milling tests showed that dry farming wheat exceeded the wheat in gluten content by one half per cent.

The dry farm will produce wheat with more protein. Protein is blood and muscle builder of the animal and fodder. Even the dry farm wheat contains a high percentage of protein and, when hay is scarce, is used for fodder.

One reason for this, and you can all understand it, is that the function of the leaves and stems of a growing plant is to feed and support the fruit, be it root or flower. The plant first to develop the other proteid elements, and the farming season is short, it frequently happens that the proteid plant is established before the leaves and stems turn their attention to the other substances, and that time the season begins growth ceases, the crop has content, although it may be very large and attractive to the eye as does the irrigated plant.

That is another argument of deep tilling, the root system have room to make quick growth must go down for strength.

(Continued on page 5)



KAFIR CORN AND MILO MAIZE ARE THE GRAIN CROPS OF THE WEST. SCENE ON A WESTERN KANSAS FARM.



# THE BEST TYPE OF DRILL

*Economy in Power And Efficiency  
In Work Both Are Essential*

By R. M. DOLVE

At this time when the farmers are beginning for the seeding of their land many have to purchase new machinery they would do well to mind an old biblical allusion: "As ye sow so shall ye reap." There are a number of drills on the market most of which possess many qualities of excellence so that there is no choice between them. The question, then, is not what drill to buy, but what type of furrow opener is adapted for the soil on which it is to be used.

The matter of furrow openers the manufacturers have been unable to produce a type that will do perfect work in any soil. They have found it very hard to place upon the market a number of varieties so that one of them may suit the soil condition in any section where grain is raised. A type of standard furrow opener has been the result. The hoe drill has been the broadcast seeder, and the shoe drill superceded the hoe drill. At present the latter has become practically obsolete. Later the single disk and double disk drills were introduced and each is unquestionably the best for some localities.

**Hoe Drill.** Farmers who have had experience with various soils know that the hoe drill will not do satisfactory work in ground filled with stubble or trash of any kind. It does fair work in a clean, well prepared seed bed but will not sow at the depth as the others and is not compared with them.

**Shoe Drill** will not do satisfactory work in extremely hard ground or clay ground which bakes in the sun. The shoe drill does good work in a clean seed bed that has been thoroughly loosened and pulverized by harrowing. It is not as good a disk opener for sowing wheat

and protection from the sun. It is true that up to a certain point the soil moisture a crop gets, the more rain it will produce to the acre, but careful tests and correlated results show that beyond a certain point water is injurious and that is the dry farmer can get a certain amount of moisture and retain it in the soil, he has a better control of his crop result than has any other style of farmer.

It is the difference to you or to your neighbor whether you get 10 inches of water in the form of rainfall or 10 inches of irrigation water provided you use them both, but if you are a water conservationist and allow evaporation of 10 inches of water will not be as much to you as 10 inches to a careless dry land operator.

Parsons says that he can produce anything except water lilies and that the plant world shows one thing that can be educated to grow on a dry land. Ramah, a Colorado farming community, produces the best watermelons on the Greeley irrigated district. The best watermelons on the dry farmers in Texas are the best flavored and largest in the northwest are the non-ribbed Spokane Beauties. The best watermelons produced along the Columbia river two years ago, grew in a drouth with 7 1/2 inches of rainfall and 12 inches of irrigation. Twelve tons of sugar were produced to the acre last year at Calhan, Colorado.

Water will cooperate with you in the care of a shortage of water if you will only contribute your grey to the cause. You must make the soil food in the soil available to the system of your crop. Too much water places too much food in the soil and the crop can absorb only a proportion of it and the rest is washed out. Intelligent dry farming operation holds the soil food in solution, another argument in favor of the dry farmer.

Water is a soil robber and ruin your crop by continuous cropping of the soil which takes away and adds nothing in return. Study rotation and add nitrogen, potash and phos-

phorus on stubble ground, a common practice where winter wheat is sown after corn on corn stubble. It has the advantage of simplicity over the disk ter spring crops, neither is it a success as it has no bearings, requires less care and lasts longer.

The Single Disk Drill has more penetration than the other forms of furrow openers and is, therefore, especially well suited for hard and trashy ground. The disks are usually made of dished, like those of a disk harrow, so that they do considerable work in pulverizing the soil and in preparing the seed bed while the others do little but merely sow the grain. On this account one would naturally expect the draft of the single disk to be greater than that of the double disk and such is the case. The following results of draft tests taken in the same field, on the same day, at the North Dakota Experiment Station will prove this point:

Single disk, rows 6 inches apart; number of disks, 22; distance covered in feet, 11; total draft in pounds, 850; draft per foot, 77.27.

Double disk, rows 6 inches apart; number of disks, 22; distance covered in feet, 11; total draft in pounds, 675; draft per foot, 62.27.

Some of the objections to the single disk are: First, it tends to make the ground uneven since the soil is thrown in only one direction and is left in ridges but to compensate for this it leaves the soil in better tilth than any other form. Second, there is a tendency for the disks to clog in

wet, sticky soil. Third, its weak point is its bearing.

In buying a single disk pay particular attention to the disk bearings, examine them as to their dust proof qualities and convenience of lubrication. Further, select a drill with the heel or auxiliary shoe of such form that it will not clog. Don't buy a single disk drill that allows the seed to come in direct contact with the disks as they will scatter the seed. An enclosed boot should be provided to lead the seed into the bottom of the furrow before the earth is permitted to fall back into the furrow. In spite of some of the objections raised against the single disk it will meet more of the many and varying soil conditions to be encountered than any other form of furrow opener and for this reason has become very popular.

The Double Disk Drill is lighter in draft than either the shoe or single disk and this is one reason for its great popularity. It has not the penetration power of the single disk and will consequently not do as good work on hard trashy ground although it is by far the best furrow opener for corn stubble ground. When used on soil well pulverized and in good tilth it is undoubtedly the best furrow opener on the market. The double disk sows the seed in a wider furrow than the other types; in fact it produces a double furrow with a single ridge between so that the grain is sown in two rows instead of one. This is claimed to be a great advan-

tage by many who maintain that it gives the plants more root room. The double disk has better bearings than the single disk and with equal care and wear should last longer. In general a double disk will do good work in soil on which a shoe drill has been successful but it has not the wide range of adaptability possessed by the single disk. In the right kind of soils it is the best furrow opener and should be used in many localities where the single disk is at present used almost exclusively. The double disk is the most expensive furrow opener to manufacture and must consequently be sold at a lower profit than the other types. For this reason agents seldom urge their patrons to buy this type although companies furnish it on demand.

In buying a drill the farmer should determine which type of furrow opener is best suited to his soil conditions and demand that type.

The use of gasoline motors for farm work is being promoted by the French automobile club, a special committee of which holds meetings at intervals and bestows prizes for the best power for cultivators. Sixteen awards of cash or medals were recently made. Original applications or developments by the farmer himself are especially encouraged. The winner of the first prize made use of a 1 1/2 horsepower motor for driving nine pieces of farm apparatus, including straw cutter, root cutter, grindstone, circular saw, well pump and a variety of dairy machines. The various devices are belted to different countershafts, all in one building. The use of power has added much to the efficiency of the farm and is estimated by the owner to save \$600 a year. Another prize taker made use of a second-hand tricycle motor for driving a thrasher and other machines.

## MIX BRAINS WITH SOIL

Continued From Page Four

Two years ago Secretary Wilson challenged the Dry Farming Congress on its advice to the farmer with limited rainfall, to crop and till alternately. He claimed that in a few years we would burn out the humus and nitrogen, but we knew that in Utah and the northwest, farmers who had been operating under alternating of crop and summer fallow had shown by soil

tests that there was no decrease, either of nitrogen or humus.

Legumes—the peas, beans, alfalfa, vetch, clover, love stock, animal manure, the plowing in of sweet clover—all of these things should be considered as being a business asset. The Russians, Hungarians and other older European nations have so carefully worked out the crop rotation prob-

lems that they are able to tell to a degree the results they obtain from the different crops and it is the business of every farmer who expects always to remain a farmer, to study these things. Your agricultural college and experiment station are available to you with men, whose duty it is to tell you all that you should know.

In China, what may at first thought appear a crude method, on second thought is a suggestion for the dry farmer. They build little mounds of earth three, five or ten feet high. They carry the water to the top of these mounds in pails, pour it into a receiving basin and allow it to run down irrigation ditches receiving its distributing power by gravity. Would it not be practical perhaps for some of us to carry our pumps up a few feet and give our irrigation water a distributing impetus from a gravity fall.

Above all, my friends, I want to beg of you to begin right now and establish business methods on your farm. If I should ask how many of you could tell me the exact cost to you of the production of any two of your last year's crops and therefore the exact profit to you in the sale of those crops, the chances are that you would be as far from the answer as the north is from the south. The Dry Farming Congress is trying to instill into the minds of the farmers the necessity for managing the farm just as the successful merchant manages his store or the manufacturer his factory. If the business men of Topeka were as careless about the details of their business as you farmers are, Topeka would be placarded with "For Rent" and "For Sale" signs inside of six months.

Now I have not attempted to go into technicalities with you. The Dry Farming Congress does not attempt to do your farming for you, but we do assemble the information as to how the other fellow is succeeding or failing and why. Every condition that confronts you here has its counterpart somewhere else and therefore the Dry Farming Congress as a co-operative agricultural society is something worth while to every man, woman and child in Kansas.

## MODEL EIGHTY ACRE FARM

**IF** you had a bank account upon which you could draw to fit up an eighty acre farm as a profit making proposition and a comfortable and convenient home, just how would you spend the money?

This little farm is to be your home where you can live in comfort, but at the same time it must be made to pay. Put up all the buildings and fences you need, buy all the necessary machinery and live stock, plant orchards and windbreaks and make a complete home but do it all as an investment that will bring profits.

For the best articles descriptive of how you would accomplish these results accompanied by drawings or photographs, KANSAS FARMER will give the following prizes to be awarded by expert judges:

For the best article with illustrations, \$15 in cash.

For the second best article, \$10 in cash.

For the third and fourth best articles each a five years' subscription to KANSAS FARMER.

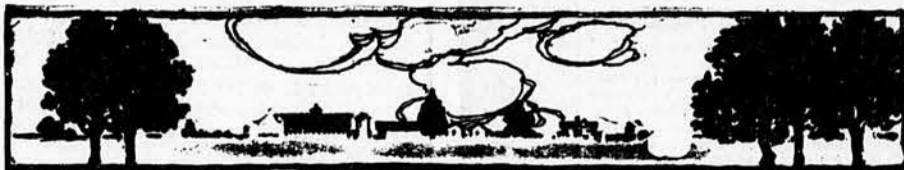
For each of the next five best articles, a three years' subscription to KANSAS FARMER.

For each of the next fifteen best articles, one year's subscription to KANSAS FARMER.

The articles and illustrations submitted are to become the property of KANSAS FARMER to be used as desired.

This competition will close on July 11.

All articles and illustrations must be personally addressed to Albert T. Reid, President, KANSAS FARMER, Topeka, Kansas.





## Real Bone and Potash


In some sections wheat growers refuse to use any other phosphate than real bone.  
 More wheat and a better stand of clover will be secured if the bone is balanced with Potash. The longer bone has been used the more urgent becomes the need of

# POTASH

Try 200 to 400 pounds per acre of a mixture of equal parts of bone and Kainit, or one ton of bone with 300 pounds of Muriate of Potash.

See that your dealer carries Potash. If he does not, write us for prices, stating amount needed, and ask for our free books, "Fall Fertilizers" and "Home Mixing."

**GERMAN KALI WORKS, Inc.**  
 BALTIMORE, Continental Bldg.  
 CHICAGO, Monadnock Block  
 NEW ORLEANS, Whitney Central Bank Bldg.



# THE FARM



If you reserve the fence corners and roadsides as experimental plots for the raising of all the different kinds of weeds you ought to keep ahead of your neighbors on both quantity and quality.

Manifestly the century upon whose threshold we now stand must rely more and more upon the higher efficiency into which labor can be trained for the productive vocations, chief of which are engineering and agriculture, and as the soil is the greatest single factor upon which our civilization depends, for its efficient management we must invoke the best the science has discovered and stand ready to adopt all that science may yet disclose.

### Dynamite It.

Mr. J. B. Shaffer owned a 40 acre tract of land in Sedgwick County, Kan., that for 12 years had been idle and useless on account of water which covered it to a depth of 3 feet. In 1903 a demonstrator used 100 pounds of dynamite on this tract, blasting holes 40 feet apart and placing 2 sticks of dynamite in each hole before firing them. That same year the owner harvested 40 bushels of oats to the acre from this tract. He then put the land into alfalfa and since that time he has harvested 4 crops each year.

A number of other reports on the use of dynamite for breaking up hard pan have been received and most of them of a favorable nature. More information is needed, however, and we hope that those of our readers who have experimented along this line or who know of beneficial results that have been derived from the use of high explosives for such purposes will write us. What effect does dry weather have on land which has been dynamited?

### Grimm's Alfalfa.

Mention has already been made of the Grimm alfalfa in these columns and its probable value in extending the territory in which this incomparable forage plant can be grown has been hinted at but more information is needed concerning it.

The total acreage of alfalfa in the United States is approximately 5,000,000 acres, and most of this is of Spanish or Latin American origin. The total acreage in Grimm alfalfa is perhaps 5,000 acres and it is of North German origin.

Alfalfa as we know it has developed into its present importance in the last half century though the Grimm variety was first planted in Minnesota in 1857 by the man after whom it was named. There yet remains 3 great regions in this country which have not received the benefits conferred by alfalfa, the humid eastern and southern states; those parts of the semi-arid region where irrigation water is not available and the northern parts of the United States where the winter is more severe.

Any development of varieties which will make it possible for the farmers of these several regions to grow alfalfa will open up a new field for agriculture and increase the crop production of the country by millions each year. It is believed by the authorities of the Department of Agriculture as reported in bulletin 209, that they have found in Grimm's alfalfa a variety suited to the northern regions and localities of severe winter weather.

The reason why Grimm's alfalfa withstands the extremes of winter climate is supposed to be traceable to the fact that the common lucerns of its home country was crossed with the sparsely growing and somewhat uncommon wild variety known as the sickle lucern or *Medicago fulcata* which has a yellow flower and is very hardy and, since its importation to Minnesota, has been developed for 54 years under the climatic conditions of the northern states.

In a little more than a half century

the value of alfalfa to American culture has increased from no \$150,000,000 per year, and if the regions which are now without be made to produce this crop of value to the farming industry scarcely be computed. Already have been tests made of Grimm's alfalfa in Colorado and western which seem very promising the greatest difficulty to be met this time is in getting pure seed then in preventing it from with other alfalfa when grown

### Sulphur in the Soil.

Sulphur has been considered relatively unimportant, as compared with phosphorus and nitrogen in our soils. Tests made by Professor G. W. Gentry, however, show that low results due to the analytical methods, used by the early investigators, according to more accurate determinations the sulphur content of soils is of great importance.

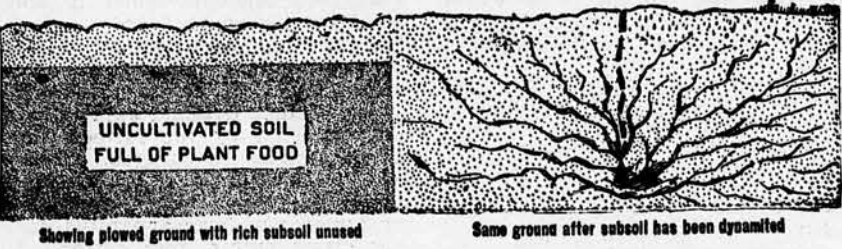
Continuous cropping in connection with insufficient fertilization results in an easy loss of sulphur. Combined with the losses of sulphur through drainage and the low sulphur content of the soils it is that this loss cannot be made up by the sulphur obtained from the atmosphere. The surface eight inches of the normal soil contains enough sulphur trioxide for 100 normal crops of barley. It is that the subsoil also has a low content shows that the upward movement of capillary water carries much sulphur to the upper soil. In a word, it is necessary to use fertilizers containing sulphur to maintain the crop yields of such crops.

Superior crop results often result from the use of acid phosphate; the investigations indicate that these improvements are due to additional sulphate supplied in the form of fertilizer. The use of sulphur with its important contribution to the sulphur has often added to the increased crop yields of such crops otherwise would have been reduced in their productive capacity. Sulphate in fertilizers has been used for many years and the tests establish the great benefit resulting from their use and to press their influence upon the soil.

Under systems of live stock raising, when the crops and feeds are fed and the manure saved, the sulphur will find its way back to the land, but when the manure is sold, then the losses by drainage and the practical handling of the manure must be met by additional sulphates are required to be solved. In systems of farming it appears that the use of sulphate should be used liberally in the fertilizer treatment of the soil, for the purpose of maintaining therein a permanent sulphur.

The conclusions derived from recent experiments show that the sulphur content of a number of common farm products as well as has been much too low. Much more sulphur trioxide is moved by crops from the soil than was previously supposed. It is cropped continuously for a number of years with infrequent applications of manure have lost as high a percentage of their original sulphur content of their original sulphur.

On the other hand, when manure has been regularly returned to the soil, the sulphur content has been maintained and even increased. The gist of this investigation sizes the fact that for permanent increased production of crops such systems of fertilization practiced as will not only increase the soil nitrogen, phosphorus, and sulphur, but will add a sufficient amount of sulphur to meet the losses by cropping and drainage. Fertilizers for such purposes should be farm manure, trade fertilizer, ammonium, super-phosphate of potassium, and calcium sulphate.



Showing plowed ground with rich subsoil unused      Same ground after subsoil has been dynamited

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By Breaking up the Rich Subsoil WITH **DU PONT RED CROSS DYNAMITE**

Ordinary plowing turns over the same shallow top-soil year after year, forming a hard and nearly impervious "plow sole" that limits the waterholding capacity of the land and shuts out tons per acre of natural plant food.

Dynamiting the subsoil makes this plant food available, aerates the soil, protects vegetation against both drouth and excess rainfall, and soon repays its cost in saving of fertilizer expense and largely increased yields.

### Write for Free Booklet

To learn how progressive farmers are using dynamite for removing stumps and boulders, planting and cultivating fruit trees, regenerating barren soil, ditching, draining, excavating, and road-making. Write now for Free Booklet—"Farming with Dynamite, No. 195"

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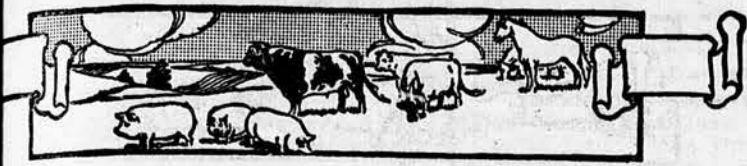
**WORLD'S BEST WOOD PRESERVER**  
 ONLY 10c A GALLON—Here is a paint that adds years to the life of wood of all kinds. Buildings, fence posts, railroad ties and poles painted with Petrosote last. Spray hog houses, stables and dairy barns—it kills the flies. Sure death to lice, mites, bugs and all insects. Destroys all germs, etc. Spray the poultry houses. Best and cheapest paint known. Five-gallon can only \$1.00, fifty-gallon barrel only \$5.00. Ask for free booklet.

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# LIVE STOCK



Stock from Canada. recent order, regulation 2, paragraph 2, of the regulation by the Secretary of Agriculture under date of November 25, and amendment 1 thereto is September 30, 1910, regarding the registration of specific breeds of cattle, sheep and hogs registered in the Canadian National Register. The Canadian National Register is hereby modified so as to provide for the registration of no animal or animals registered in the Canadian National Register to be certified by the Secretary of Agriculture as pure bred except those which trace, in all crosses, to animals in the country of origin, or to animals which are proved to the satisfaction of the department to be of the breed and that have been imported into the United States or Canada from the country in which the animal was bred.

**Manure for the Farm.**  
I am pleased to note your editorial of manure in a recent issue of the KANSAS FARMER. The matter is treated in a very able and commendable manner and I feel that because of the influence which your publication has with the farmers of Kansas, it will accomplish a great deal in directing the attention of farmers to this very important subject. It seems that an encouragement of interest is being aroused and I note that papers are beginning to discuss it. I hope that if we will continue to discuss it and the farm papers continue to agitate the matter we will be able to start a movement for the collection of this material this fall. But, it is especially important that the papers continue their crusade as there is no other agency that can accomplish so much with the farmers as the farm papers.—L. A. Markham, Rock, Ark.

guaranteed durable red barn paint is sold by the Paint & Varnish Co. of Ft. Kansas, direct to the consumer at 85c per gallon in 5 gal. cans, prepaid. This is a paint worth considering by every farmer. This is a reliable company and its paint season. Try this

**Raising Calves Without Milk.**  
Thousands of farmers and dairymen are raising calves without milk, and it is worth more to sell butter or milk than to sell calves. It is cheaper to raise the calves on the excellent substitute, "Big B" calf meal, prepared and sold by the Brooks Calf Meal Co., Fort Scott, Kan. Calf meal contains no cheap fill, but is made of ten of the best ingredients obtainable for the raising of calves. It has been proven to be very satisfactory for raising calves. It can be ordered from the company mentioned. Prices: 100-lb. sack, \$13.75. Prices are freight prepaid. Full directions are sent with each order. Order a trial shipment.

**Bloat of Cattle or Sheep.**  
From now until the close of the season, cattle and sheep are subject to bloat or hoven." F. B. Hadley, assistant professor of veterinary science in the Department of Agriculture of the University of Wisconsin. "This disease is caused by an accumulation of gas in the stomach, and is usually brought about by permitting animals to pasture on clover or alfalfa which is wet with dew or rain. Large quantities of these feeds are greedily eaten in the spring following a winter on dry foods, or in the summer when the herds and flocks are turned into the second crop

after the usual pastures are dried up or closely cropped. "The chief symptom is a distension of the paunch noted in the left flank," continues Dr. Hadley. "Relief, which must be immediate if effective, is best afforded by the trocar and canula. This instrument should be in the hands of every stockman. The proper place to insert the instrument is on the left side in the center of the triangular area bounded in front by the last rib, above by the lower edge of the loin muscles, and behind by the hip bone. Leave the canula in position 10 or 15 minutes, reinserting in a freshly made opening if necessary. Medicinal treatment is of minor importance as a rule. "Prevention is easily carried out either by limiting the time at pasture to a few minutes each day until the stock becomes accustomed to the change of feeds, or by feeding large quantities of dry hay in the morning before they are turned onto the green pasture. In either case care should be taken that no moisture is present."

**How I Raise Hogs.**  
In my article on "How I Raise Hogs" in the May 6 issue of KANSAS FARMER, the types made me say that "a large sow with a good litter of pigs gets two gallons of oats and corn mixed and one-half pint of tankage twice a day." It should have read one-half gallon instead of two gallons. Perhaps I should not have given much attention to this but for the large number of letters which I have been receiving about this article ever since it appeared. From these letters it would seem that people are taking an interest in "How I Raise Hogs."

I received the following from a lawyer in Oklahoma: "That was a pretty good story about how to raise hogs. Come again. I feel like quitting this law business. That sure is the proper dops you gave us in KANSAS FARMER." I have received a number of letters from amateurs in hog raising asking for information and I will now try to answer all of them in this article as plainly as I can. A sow should not farrow her first litter until she is at least one year old, and 14 or 15 months is better yet. I believe that parental culture and environment are as strong factors with the animal kingdom as is heredity. Therefore, begin to raise your pigs about four months before they are born. A pregnant sow fed on an all corn diet will farrow pigs with weak constitutions, susceptible to all diseases that come their way. Pregnant sows should have the run of an alfalfa field and very little corn. In winter feed them plenty of good alfalfa hay. About May 1 is the best time for pigs to come unless you want to raise two litters a year. Then it is better to have them come about March and September or April and October, but early spring pigs or late fall pigs must have good warm quarters. Of all the evils of feeding, overfeeding is the worst. A sow not getting enough feed may get thin in flesh, but she will nourish her pigs well and the pigs will thrive, but if the sow is overfed her appetite is upset until she will not eat nearly so much as the underfed sow gets. When I stated that I fed a large sow with a good litter one-half gallon of corn and oats, I meant that to be the limit for a 400 pound sow with 8 or 9 pigs. I am raising a thousand pigs this summer and very few of my sows get over one quart of grain twice a day until the pigs are large enough to eat part of it themselves. I let them eat off the ground, and while the sows are shut up in the stalls I water them out of buckets, taking the buckets out as soon as they are through drinking. Twice a day is often enough for water. I sometimes soak corn for fat hogs and then use troughs. I think a cement floor should be four inches thick.—J. G. Arbuthnot, Cuba, Kan.

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When a hog goes about with nose to the ground—a "lack-luster" stare in his eyes—melancholy air—no interest in life—not even ambition enough to give vent to a life sized grunt or squeal—"off his feed"—and getting thinner and thinner—

That means **w-o-r-m-s**. Mr. Hog Raiser, and you had better keep a sharp eye out for your profits, or before you know it Mr. Hog will slink off into a corner, stiffen out his legs, give a plaintive grunt and pass away.

Then, his shanks and sides won't mean best hams and bacon, but a soap kettle finish for him, and a hundred per cent loss in dollars and cents to you.

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For just those conditions. It is unequalled for the extermination of worms and preventing the spread of cholera, and is by far the most economical. No Hog Raiser need have the slightest fear of a worm or cholera epidemic, if he keeps a constant supply of "Merry War" Lye on hand and mixes and feeds with slop the year round. It will increase pork profits many times when used as directed.

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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. This trial will convince you and the cost is so trifling that you won't notice it.

**Ask Your Dealer for "Merry War" Lye**  
While most up-to-date dealers handle "Merry War" Lye, some dealers may offer you some other brand. If so, don't accept it, but explain to the dealer that while there are other brands of Lye that are good for certain uses, yet there is only one kind—"Merry War" Lye—that is safe and specially prepared for use in preventing and curing sick hogs. So if your Dealer can't supply you, write us and we will give you the name of one who can; and will also send you a valuable book on "How to get the biggest profits from hog raising." "Merry War" Lye comes in 10c cans, 24 for \$2.00 at Grocer or Druggist. E. Myers Lye Co., Dept. 12 St. Louis, Mo.




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# DAIRY



The business man pays himself a salary out of his profits. The farmer "throws his time in" and don't know whether he really has any profit nine times out of ten.

It has been well said that an agricultural state agriculture should be made as much a part of its education as oxygen is a part of the air and that that education is most vital that prepares the largest number of people to efficiently perform the ordinary services required by the community and to enable them to live the best life consistent with their surroundings.

The New York milk market has a population of some 6,000,000. To meet the daily demand of these people in 1910 required about 43,500 cans of milk and 2,200 of cream and unsweetened condensed milk, the whole equal to about 55,000 cans of plain milk daily. This cost the milk consumers of that market more than one million dollars weekly. But they received full value for their money—all except the ones who run after strange gods in search of better milk than the Lord knows how to make.—The Milk Reporter.

There are two farmers in my state, said N. P. Hull, of Michigan, in an address delivered at Stratford, Ontario, living one mile apart and sending their milk to the same factory. The cows of one of these men yielded him 3,332 lbs. milk each at an average cost of \$42.83. He sold his milk for \$38.20. This man paid \$463 for the privilege of taking care of his cows 365 days in the year. The cows of his neighbor produced 692.2 lbs. milk each at a cost of \$35.81 which sold for \$89.48, yielding him an average profit per cow of \$53.67. The trouble with the cows of the first man was that they came too near being steers to be profitable dairy cows.

There is also another standpoint to view the milk problem from and that is the price. Why is milk eight to ten cents a quart? Is not it because of its scarcity? Why is it scarce? The reason is the keeping of poor cows. Many give so little milk—even at present prices they do not pay for feed and care; while a good cow with the same food and care would bring a profit of \$50 to \$100. Why are the poor cows kept? Again the answer is "lack of knowledge;" cow keepers not knowing how to select the good cow. Who pays for this lack of knowledge? It is expensive to its possessor, but how about the fellow who buys the milk and pays a much larger price as a consequence.

Then many cow keepers do not feed foods that are the best milk producers. Before a cow can give any milk she must be given the milk making materials in her food. If any one of the milk making ingredients are lacking in the food the milk flow must be decreased in proportion; hence the need of feeding a balanced ration, which simply means having the ingredients that make milk in the right proportions—just as a carpenter must have a certain number of nails in proportion to the lumber. He can't make a house without nails or without lumber no matter how much he may have of the other material. The lack of knowledge of dairying results in poor cows kept in unsanitary barns and fed unbalanced rations. This results in poor quality of milk and a small amount and this results in high priced dairy products.

Milk is nature's most perfect food for man, but it is also a splendid medium for disease germs. About the only way to have milk pure and wholesome is to produce it under sanitary conditions. When spreading the slice of bread, when creaming your coffee, when filling the cup for baby remember that it has come from a dairy barn and it is pure or polluted

as that dairy barn was built in sanitary lines and managed in a sanitary manner. Could you but see invisible devils that flourish in milk that will perhaps claim your baby, that will perhaps plunge your wife or children into tuberculosis, typhoid or what not! Why they in that milk? Lack of knowledge on the part of the ones producing or handling it have allowed to make a home that leads to the most vital part of your body.

**Protecting Cattle from Flies**  
 At this time of the year much comfort to the cattle and loss to owners is caused by the flies and other insects. Feed becomes unpalatable at this season; and this, combined with fighting flies and off-feeding such feeds as there is to be had relief from the pest in the brush-water where this can be found—results in a loss of weight in the dairy herds, even where the pens are darkened and the cattle kept in a part of the day, writes W. F. Schin, of the Wisconsin Station. Loss in milk yields resulting from annoyance caused by flies is quite material.

Many different anti-fly mixtures and "dopes" have been used with more or less success. Several of those advertised have been used by the writer, and found fairly effective in keeping flies off the animals. The nature of the mixture and the amount from three to twelve varying with amount applied. The mixtures are usually most satisfactorily by means of a small spray pump, which costs a dollar. They can be thus used in a very short time and the important item of expense is the mixture itself. Most of the preparations cost from 75 cents to \$1.00. Where considerable quantities are used, the necessary ingredients can be purchased and the mixture made up at a cost of 30 to 50 cents per gallon.

One of the common mixtures consists of three parts of fish oil and one part of kerosene. The fish oil contains many of them cost about 45 cents per gallon in barrel lots, or 60 cents in ten gallon lots, in Minneapolis. Another good mixture is 10 parts fish oil; 50 parts oil of turpentine; and 40 parts crude carbolic acid. Another, recommended by the Wisconsin Station, is: 1 1/2 pounds of kerosene; 1/2 part of soda cakes laundry soap; 1/2 part of 1/2 part kerosene. Mix the kerosene and soda and add water to make three gallons. Oil of tar—a very common ingredient, and one that gives a strong odor and makes the mixture unpalatable can be bought for 20 cents a barrel and 30 cents in ten gallon lots.

**Colorado Potatoes for Kansas**  
 Mr. I. N. Pepper, of Montrose, Colorado, states that he can furnish potatoes and onions from his ranch this fall. The Colorado potato is of very uniform quality with smooth skin and shallow eyes. It is mealy when cooked and well. There is nothing finer in use. The onions are very large of mild flavor like the famous "mudas." A knowledge of what high class potatoes and onions are valuable to Kansas people, especially to the granges and associations which buy in car lots, the cooperative plan. These potatoes and onions can be bought in car lots and shipped in here at a considerable saving over retail prices with the decided advantage of the highest quality grown in Colorado. There is practically no waste in potatoes and this is an item worthy of consideration. Potatoes with rough skins and small tubers bought elsewhere may be cheaper, but the necessary extra cost makes them very expensive. I. N. Pepper, 444 Main St., Montrose, Colo., for full information mention KANSAS FARMER.



# The GRANGE

## To the Secretaries of Subordinate Granges.

The reports made in July for the quarter ending June 30 are the reports from which the representation to the State Grange is calculated and we ask all secretaries to be prompt and accurate and remember that the report for membership is on the names on the roll at the close of the quarter. Please read article 11, sections 4 and 5 on page 45 of the Proceedings for 1910 and thereby assist the State Secretary in keeping a just and true account of all members, dues, etc. Quarterly reports are due the first of each quarter for the preceding quarter and the quarters begin on the first of January, April, July and October.

## Our Educational Committee.

The third lecture of the series issued and to be issued by our committee on education is in the hands of our subordinate lecturers.

This lecture is valuable and timely and coming as it does from Professor Hunter of K. U., appeals to all interested in progress. The title of this lecture is "Insects as Carriers of Disease," and at this time will certainly interest all of the members of the Grange and also be very instructive.

Kansas Patrons are to be congratulated for having presented to them each month such instructive work as is put out by our educational committee. This feature alone is worth all it costs in efforts and cash to keep up a subordinate grange.

Our educational features combined with the material advantages makes the Grange one of the greatest orders ever presented to the agricultural people.

## For the Field Meetings.

Arrangements have been completed for a series of six meetings to be addressed by Oliver Wilson, National Lecturer, commencing in Osage Co. July 17, then to Greenwood the 18th, Coffee the 19th, Shawnee the 20th, Jackson the 21st and Riley Co. the 22d. Mr. Wilson has been in Kansas before and the Patrons who have heard him will be pleased to hear him again and it will pay any and everybody to take a day off and hear this able exponent of the Grange gospel. He will speak in Overbrook in Osage Co. and in Shawnee he will speak at Topeka, most likely in some of the local committees will select the place and arrange other details.

We hope the people as a whole will turn out to hear Brother Wilson. All Patrons are requested to invite their neighbors to attend and hear this man who has a National reputation as a logical and forceful speaker who instructs as well as interests his hearers.

## Organize.

The Grange reports from all parts of the country show a steady growth and we can draw the conclusion that the farmers are investigating organization and when they investigate they soon learn that practically all of the industries with which they have dealings are well organized or that which means the same.

These organizations are here in our midst and are properly here to stay and we must act accordingly and have proper safeguards erected for the protection of the "dear people." One good way is for the mass of people to organize and protect their own interests.

Legitimate organization is all right and we will have more rather than less. It is unjust organization that is hurting the people at the present time. When we are all organized we will then bear the same relation to each other that we did before there was any modern organization of industries.

Organization is here to stay. Let the farmer get busy and organize so that he too may protect his interests, his family, his country and mankind. He who furnishes food for all should also furnish protection for all. Get ready and we will help you to organize a Grange in your community.

## A Helping Hand.

A number of the members of Manhattan Grange visited Wild Cat Grange at their regular meeting May 9. The meeting was held at the farm home of Brother McKean on Silver Creek near Keats, Kan.

Wild Cat Grange has been especially unfortunate in the loss of a number of its most active members either by death or removal from the neighborhood, causing a very discouraged feeling among the remaining ones who still work on, but as it is darkest before dawn it is hoped better times are coming for those who persevere. Some of the older members of Manhattan Grange reminded them of a time when their own grange was in about the same uncertain condition and that it is now one of the largest in the state.

The day was one of the pleasantest. Five automobiles and as many carriages brought loads to the meeting, twenty-six visiting members being present. On an improvised table in the orchard a picnic dinner was served by the sisters and a pleasant and profitable social hour was spent. Through the courtesy of acting Master Taylor, Brother Fry, a visiting past master, was asked to preside. Very interesting talks were made by visiting Brothers Warner, Barnes and others. But the ever present difficulty was apparent, those who most need to hear such talks were the ones who were not there, not being members, or if members, not attending. For this reason open meetings are a good thing, where many will come to see and hear what is done and will then become valuable members.

Let us not hide our light under a bushel.

## Drilling Alfalfa.

It is generally conceded that alfalfa when drilled in rows 6 inches apart does better than when sown 7 or 8 inches apart. It is generally admitted that drilling the seed in rows is better than to broadcast. Therefore, if a farmer buys a 7 or 8 inch drill he is compelled to plant the way the drill is set. However, the Hoosier Grain Drill, manufactured by The American Seeding-Machine Co., Incorporated, Richmond, Ind., is an exception to the rule, because a farmer can change the spacing between the disks so as to plant his small grains 7 or 8 inches apart, and then sow his alfalfa 6 inches between the rows. This is a feature to be found on no other grain drill than the Hoosier. When you buy a Hoosier Drill you get full value for your money, and it is sold under a guarantee that means other grain drill than the Hoosier. Grain Drills have positive force feeds, great strength, light draft, simplicity and no complications. Open or closed delivery single disks, double disks, shoe or hoe furrow openers can be obtained on the Hoosier Drill. They can also be obtained in plain grain and combined grain and fertilizer styles. No matter where you live or what your seeding conditions may be, there is manufactured a Hoosier Drill that will do your work right. Send to the manufacturers for their Hoosier catalogue, and ask for any special information you may want. After you have read this catalogue, go to your nearest implement dealer and insist on seeing the Hoosier Drill.

The potato bugs must be killed in case they are numerous. Sodium arsenite is a good substance. Prepare it as follows: Put one pound sodium arsenite in an iron kettle, add two gallons of water and two pounds common washing soda—boil two hours; replace the water as it boils away. For use take two quarts of this prepared mixture to fifty gallons of water. If it is wanted stronger put in more of the mixture or take less water. Lead arsenate is another good poison to use against biting insects—mix at the rate of one pound to twenty gallons of water. Paris green is the standard remedy, but it costs a little more and does not stick so well.

The automobile industry is now 40 times larger than it was 10 years ago but the horse is still on the job.



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# HOME CIRCLE



### SEA-SHELLS.

But I have sinuous shells of pearly hue Within, and they that luster have imbibed In the sun's palace-porch, where they un-yoked His chariot-wheel stands midway in the wave: Shake one and it awakens, they apply Its polish lips to your attentive ear, And it remembers its august abodes, And murmurs as the ocean murmurs there. —Landor, "Gebir."

The old saying of "never too old to learn" might be changed to read, never too young to learn. The habits formed during childhood are often permanent ones or at least difficult to eradicate. Consequently care should be taken that these habits are good ones and such as will be of benefit to one in the years to come. Here are a few things that every girl should learn and most of them will apply to the boys as well:

Shut the door, but shut it softly.

Keep your room in good order.

Have an hour for rising and rise.

Learn to make bread as well as cake.

Never let a button stay off twenty-four hours.

Always know where your things are.

Never let a day pass without doing something to make some one comfortable.

### The One Who Plans.

Many of the suggestions for KANSAS FARMER'S Model Eighty Acre Farm are coming from our women readers, which indicates that the woman of the home probably spends as much or more time in studying and planning of the home and farm as does the man.

She seems to have a keener regard for the artistic arrangement of things as well as their practical use, and is more accurate in laying plans. She is quick to observe that barns and outbuildings should not be placed on the south side of the residence, and in figuring on the shelter and protection of the stock. The arrangement of the garden is her particular hobby, and she gives much evidence that she is entitled to her full share of the success and prosperity attending.

### The International Congress of Farm Women.

At the Western Kansas Farmers' Conference at Hays, Kansas, a part of the program was devoted to woman's work. One of the speakers on this program was Mrs. John T. Burns, Secretary of the International Congress of Farm Women, who spoke of this great movement as follows:

We do not want to create merely much publicity and passing interest in the movement of the Congress of Farm Women. There are vital points at stake and we must see results. We are planning to secure some of the best speakers to be had who can talk to us from the fullness of their experiences, and we will take up every phase of work that forms a part of the everyday life of the women and children on the farm.

We will discuss ways of making the home attractive, even if the income is very small and the available material limited; of how to solve the everyday problem, what to feed the family and at the same time give it the most nutritious and healthful qualities, combined with the refining influence of daintiness of the table; how to inspire in the hearts of the little ones the love of nature, to make the little duties about the home tasks filled with delight and ever growing interest; how to take care of these same little ones through those long months of helplessness when the mother must be mother, nurse and doctor all in one, that the little one may have the American child's heritage, a healthy birth and childhood; how to realize the dangers of carelessly kept chicken yards and poorly covered wells in the spreading of disease, and how to make necessary precautions should disease in the family occur; how to instruct the young people what dangers await them when they are attracted by the great lights of the city

and seek to cast their fortunes, so rosy in their minds, with those of the metropolis. Plain talks will be made to girls and the girls' mothers on the necessity of thorough training about herself regarding the conditions of society in the city before trying to cope with life in town. Plans will be devised to offer the young people something worth while at home on the farm, something that will satisfy the higher social and intellectual aspirations of their young minds and hearts; to secure little things about the home in the way of good books and music and social intercourse; to so arrange the work of the home that there will be time for the better things in life, time for spiritual and mental as well as physical uplift.

Let every woman in whose heart burns that true spark of fire of American womanhood, unite with us in this movement and give us the benefit of her counsels and experience. Let our watchword be, "For God and Our Homes," and let us rise to this great opportunity with all of the strength and determination to win with which we are endowed.

In closing I would like to repeat Mr. Roosevelt's closing paragraph in his message to the Senate and House on the country life commission:

"The men and women on the farm stand for what is fundamentally best and most needed in our American life. Upon the development of the country life rests ultimately our ability, by methods of farming requiring the highest intelligence, to continue to feed and clothe the hungry nations; to supply the city with fresh blood, clean bodies and clear brains that can endure the terrific strain of modern life. We need the development of men in the open country who will in the future as in the past, be the stay and strength of the nation in the time of war, and its guiding and controlling spirit in the time of peace."

### 8944. A Most Becoming Summer Style.

Striped gingham in white and lavender, with facings of lavender is here shown. The sailor collar forms a most effective finish for this charming waist. The fronts are cut with a side closing and the skirt front cor-



8944

responds. The pattern for misses is cut in sizes: 14, 15, 16, 17 and 18 years, and requires 5 yards of 44 inch material for the 16 year size. The pattern for ladies is cut in sizes: 36, 38, 40, 42, and 44 inches bust measure and requires 5 3/4 yards of 44 inch material for the 38 inch size. A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.



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You can raise 85 to 100 per cent of your Chicks by using "Otto Weiss Chick Feed" thereby saving Funeral Expenses. Ask your dealer, or send for Circular. THE OTTO WEISS ALFALFA STOCK FOOD CO., Wichita, Kans Largest Alfalfa and Chick Feed Plant in the United States.

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ORPINGTONS. S. C. BUFF ORPINGTON EGGS \$1.50 per 15, \$6 per 100. Mrs. Ella Sherburnaw, Fedonia, Kan.

BUFF ORPINGTONS—25 GRAND COCKRELS and mated breeding pens from trap-nested prize winning heavy layers. Eggs and baby chicks. All described in my poultry book sent for 10c. W. H. Maxwell, R. 5, Topeka, Kan.

WYANDOTTES. BUFF WYANDOTTES—BARGAIN PRICES for balance of season. Eggs \$1.50 per 15; day-old chicks 15c each. High scoring birds only in breeding pens. A rare chance to get a start from high class stock. G. C. Wheeler, Manhattan, Kan.

LEGHORNS. BUFF ROCK AND S. C. W. LEGHORN hens 75c and \$1. Eggs: 100, \$3; 45, \$1.75. W. Hilland, Culver, Kan.

GAIVA POULTRY YARDS—R. C. W. Leghorns and White Wyandotte hens and cockerels for sale; eggs by the setting or hundred. John Ditch, Prop., Galva, Kan.

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Too Late To Classify C. F. BEARD Live Stock Auctioneer, Parsons, Kan. Continually selling for the best breeders of several states. Write, wire or telephone. Home phone 2702.

COL. FRANK REGAN Esbon, Kansas. Live stock and farm sales auctioneer. Pure bred sales a specialty; satisfaction guaranteed. Ask those for whom I have sold. Several desirable open dates. Write, phone or wire.

ANGUS CATTE Allendale Farm, Savannah, Mo. W. A. Holt, Prop. Breeder of pure bred Angus cattle—a few choice young bills for sale. Prompt answer to inquiries.

POULTRY

Shade for the chickens is very essential during hot weather, so is plenty of pure water.

We never advise late hatches. When chicks are hatched as late as this it takes lots of care and attention to raise them to maturity.

If a fowl has a bilious look, with alternate attacks of dysentery and costiveness, it is suffering from liver complaint. A lack of grit, over-feeding and idleness will cause this trouble.

The secret of keeping fowls healthy on a small place is keeping them busy. Bury their feed three or four inches deep and make them scratch for it, then they will keep out of mischief, such as egg eating and feather pulling, and the exercise will prevent them from becoming too fat to lay. Exercise is a great essential to the health of the fowls, and scratching and picking should be encouraged by furnishing a bullock's head or entrails for them to tear at as a regular occupation.

Now that the hens have quit laying, the nest boxes should be taken out and thoroughly cleaned and disinfected. New nesting material should be placed in the boxes, so as to be in readiness for the hens when they commence laying again.

A correspondent wishes to learn of something to tone up the systems of his fowls, which seem to be run down. At this time of year the old hens seem out of sorts, after having gone through the strenuous laying season and really need rest and plenty of nourishing food. One of the best tonics known to the poultry fraternity is the Douglas mixture and is frequently given to hens when they are not feeling well. It is made in the following manner: Take of sulphate of iron (common copperas), 8 ounces, sulphuric acid 1/2 fluid ounce, put into a jug or bottle 1 gallon of water, into this put the sulphate of iron. As soon as the iron is dissolved, add the acid, and when it is clear the mixture is ready for use. This mixture is to be given in the drinking water every two or three days, a gill for every twenty-five head of fowls, or a teaspoonful to a pint of water. If there are any symptoms of diseases it should be given every day.

Improve the Poultry. The United States Department of Agriculture offers the following suggestions to the farmers for the improvement of the quality of their poultry and eggs:

- 1. Don't keep mongrel stock.
2. Don't hatch your next winter's layers after June 1.
3. Don't allow the male birds with the flock after you are through hatching.
4. Don't compel the hens to make their nests in the weeds and under the buildings. Provide one nest for every four hens.
5. Don't allow the nests to become filthy.
6. Don't set hens where other hens can lay in the same nests.
7. Don't wait until ready to go to town before gathering the eggs. Gather them at least twice a day during hot weather and on rainy days.
8. Don't keep eggs in a damp place.
9. Don't keep eggs in the kitchen or near a fire of any kind.
10. Don't sell eggs that have been gathered from a stolen nest. Such eggs should be used at home.
11. Don't wash eggs.
12. Don't expose the eggs to the sun's rays when taking them to town.
13. Don't sell eggs case count, but demand that your eggs be candled.
14. Don't market eggs which have been in an incubator.
15. Don't keep eggs in a tight vessel of any kind.
16. Don't keep eggs near oil, onions, etc., as they readily absorb odors.
17. Don't market the extra large, small, or dirty eggs. Use these at home.
18. Provide sufficient feed and shell for your hens all the time.
19. Keep your eggs in clean cases and fillers, with excelsior on the top and bottom of each case.
20. Male birds have no influence on the number of eggs laid.

Readers Market Place

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HELP WANTED.

WANTED—LOCAL MEN TO TAKE ORDERS for nursery stock in Kan., Mo., Okla., Ill., Neb. Experience unnecessary. Cash weekly. National Nurseries, Lawrence, Kan.

CIVIL SERVICE EXAMINATIONS OPEN the way to good government positions. I can coach you by mail at small cost. Full particulars free to any American citizen of 18 or over. Write today for Booklet E 809. Earl Hopkins, Washington, D. C.

DAIRYMAN WANTED—MAN WITH family of three or four boys, old enough to work on fine, sanitary dairy farm. To be superintendent and have full charge of dairy farm. Must be sober and understand dairying and caring for cows. State wages expected. Address A. W. Eagan, Hutchinson, Kansas.

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A SUB-IRRIGATED VALLEY FARM; TWO hundred acres, in sight of town; best alfalfa and cantaloupe land; write for particulars. Lander, Deerfield, Kans.

REAL ESTATE.

TO SELL YOUR PROPERTY. WRITE Northwestern Business Agency, Minneapolis.

60 A. IMPROVED BOTTOM LAND \$750; terms. R. L. Workman, Everton, Ark.

WILL TRADE A GOOD FARM FOR stallions, jacks or other horses. Box 42, Formosa, Kan.

I HAVE A GOOD LIST OF KANSAS and Missouri farm lands for sale or exchange. Grant Johnson, Newton, Kansas.

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

FOR SALE OR TRADE—ORCHARDS, fruit land. Want cash, land, income, merchandise. List me. Fu. J. Barbee, Palisade, Colo.

160 A., MEADE COUNTY, KANSAS, 12 miles from county seat. For a short time \$10.00 per acre; easy terms. Moore & Martin, Prescott, Arkansas.

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FINE FARM HOME FOR SALE, BEAUTIFUL, smooth quarter, 5 miles from the best town in Brown County Kansas; all tillable; nicely improved. Price \$20,000, \$8,000 cash, balance time to suit. Address Geo. Loch, Marysville, Kans.

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HOGS.

TAMWORTH SWINE—OF SHOW QUALITY. The largest hogs on earth and the best grass hogs known. Registered pigs \$15.00 each. Howard Pendleton, Yukon, Okla.

DOGS.

"PEDIGREED COLLIE PUPS FOR SALE Fine working stock. Males \$8, females \$5. Percy Lill, Mt. Hope, Kansas.

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

CATTLE.

HOLSTEINS—SPECIAL PRICES ON A few fresh heifers for a short time. Ira E. Romig, Sta. B, Topeka, Kan.

FOR SALE—FINE REGISTERED JERSEY cow, with her daughter—both in heavy milk flow. Will make low price for quick sale. Write for price and full information. Address, 614, Kansas Farmer, Topeka, Kan.

JERSEY CATTLE, COLLIES, POLAND Chinas and White Wyandottes. For quick sale, choice pigs by Peerless Perfection 2d, the grand champion at American Royal, 1906, out of granddaughters of Meddler 3d. Price \$10. Write your wants. U. A. Gore, Seward, Kan.

SEEDS AND PLANTS.

BOONE CO. WHITE AND HIAWATHA Dent seed corn; prices reasonable. I refund your money if you are not satisfied. E. E. Hazen, Hiawatha, Kan.

OILS.

BEST KEROSENE AT \$3.60 PER 52-gallon barrel; crude dip at \$2.35 per 52-gallon barrel; \$1.50 allowed for kerosene and gasoline barrels returned when empty; don't fail to get our prices on your oil needs. The Rollin Oil Refinery, Chanute, Kansas. (Oldest independent refinery in Kansas.)

MISCELLANEOUS.

FOR SALE—TEN THOUSAND HEDGE posts. H. W. Porth, Winfield, Kans.

FOR TRADE—A GOOD THRESHING outfit for western Kansas land. Write W. J. Trousdale, Newton, Kan.

E. R. BOYNTON HAY CO. KANSAS City, Mo. Hay receivers and shippers. Try us.

FOR SALE—BEE SUPPLIES, WRITE for catalog. O. A. Keene, 1600 Seward ave., Topeka, Kan.

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DO YOU WANT TO KNOW HOW TO shave yourself smoothly, quickly, and with the utmost comfort? I can tell you how. No trouble to learn it, and get the best shaves you ever had, even by the best barbers. Send me 50c for full information. After you may get my information, and then think it is not worth all it cost and more to, I'll be glad to return your half-dollar. Fair enough isn't it? If you like, I'll send you references. S. T. Jackson, Box 142, Topeka, Kansas.

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HOLSTEINS FOR SALE

17 heifers, 3 to 14 months old, 31-32 pure bred, from splendid milk strains and backed by A. R. O. records. 12 splendid cows, 15-16 pure bred, big milkers; tuberculin tested and in excellent condition. 1 bull calf, 7 months old, pure bred, registered and backed by best Holstein strains. The owner is not a dealer but has seventy head and is short of feed. A bargain for quick buyers. For further particulars, address, A. F. McCRAY, Cowgill, Mo.

FIELD NOTES.

Standard Poland China Association Meeting. A meeting of the stockholders of the Standard Poland China Association is called to be held in the court house at Maryville, Nodaway County, Mo., on Wednesday, August 23, 1911. The chief purpose of this meeting will be to vote upon the proposition to increase the capital stock of the association from \$10,000 to \$30,000. This increase is to be divided into 2,000 shares of \$10 each. Secretary Geo. F. Woodworth, Maryville, Mo., will furnish any information.

W. B. Moon's Polands. W. B. Moon of Prescott, Iowa, who has for

the past 12 years been recognized as one of Iowa's foremost Poland China breeders, is still in the business and has one of the fine herds in southern Iowa. His herd is now headed by Iowa Jumbo and Bib Prospect 46193, bred by John B. Lawson of Clarinda, Iowa. Iowa Jumbo's dam was Lady Jumbo 111441. He is a very large boned hog and, judging from present prospects he will be one of the noted Poland China boars. Mr. Moon is the owner of a number of high-class sows, among them Bonnie Lady 123104, sired by Shine on 46564, dam I Am Good 101199, and a number of Giantess, Chief Perfection 2d and Keepsake sows. Mr. Moon has a large number of early pigs that from present prospects will be an extra high class lot, and he expects to be prepared for the fall trade with the best bunch he has had for years.



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My new barn is now ready and filled with a large assortment of imported and home bred Percheron, Belgian and Coach Stallions; also mares and colts. I will sell you a registered stallion for \$300. Come to Paola and buy a stallion or mare at their actual value.

JOSEPH M. NOJAN, Paola, Kansas. THE BEST IMPORTED HORSES, \$1,000 each. Home-bred, registered draft stallions, \$200 to \$600 at my stable doors. Address A. LATIMER WILSON, Creston, Iowa.

HOME-BRED DRAFT STALLIONS \$250 to \$600; imported stallions, your choice \$1,000. F. L. STREAM, Creston, Iowa.

PERCHERON HORSES, HOLSTEIN-FRIESIAN CATTLE. Up-to-date Poland China hogs. Write your wants. H. N. HOLDEMAN, Meade, Kans.

ANGUS CATTLE

BIG SPRING ANGUS CATTLE. Jasper Auldridge & Son, Pattonsburg, Mo., Proprietors. Breeders of pure bred Angus cattle and Duroc Jersey hogs. Breeding Stock for Sale.

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Carthage, Mo. I am offering some very choice bull calves sired by "Tullip Mon Plaisir" 81923, out of richly bred imported cows. Calves range in age from three months to seven months. If you are looking for "Golden Lad" blood you will find these calves close up. Price \$75 delivered to any part of Kansas. PHIL HANNUM, JR., Owner.

FOR SALE—Ruby's Financial Count, son of Financial Count No. 61316; the dam is Ruby's Fontaine No. 212984, a 45-pound cow recently sold for \$350; gave 45 pounds of milk per day with second calf, milk testing 5 1/2 per cent, and with last calf at the age of 6 years gave 44 pounds of milk for a long period of time, milk testing 5 1/2 per cent. The dam and grand dam of this cow are both 40-pound cows. Ruby's Financial Count is 3 years old and fit to head any herd. Financial Count is a half brother of Financial Countess, a cow with a butter record of 935 pounds and 10 ounces in one year. This young bull is sure, gentle and a fine individual. W. N. BANKS, Independence, Kansas.

LINSCOTT JERSEYS

Offers a few choice cows in milk and some bred heifers. Milk and butter records accurately kept. E. J. LINSCOTT, Helton, Kansas.

SHORTHORN CATTLE

SHORTHORN CATTLE. Sam K. Landfather, Barnard, Mo., Breeder of Shorthorn cattle and Duroc Jersey Hogs; young bulls of serviceable age for sale—also choice Heifers, high class Duroc boars and Gilts for sale at all times.

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30 BULLS, 12 to 24 months old, straight Scotch and Scotch Topped; mostly red; well grown and good individuals. C. W. TAYLOR, Enterprise, Kan. R. R. station, Pearl, on Rock Island.

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50 big type Poland Chinas. March and April pigs, sired by two extra heavy boned boars. Priced at farmers' prices. Ready to ship, order now, and get choice. Description guaranteed. Also a few choice Roan Shorthorn bulls to offer. Sired by King Challenger 312040, a son of White Hall King 222724. Prices reasonable. Come or write. W. F. HOUX JR., Hale Mo.

HERD BULL For Sale

Victor Orange 312830, a Scotch Orange Blossom, sired by Victorious 121469. H. R. COFFER, Savannah, Mo.

TENNEHOLM SHORTHORN CATTLE—Bred for beef and milk; breeding as good as the best; of Scotch and Bates lines. We use them as dairy cows and find them very profitable. A few young bulls and some females for sale. Write E. S. Myers, Chanute, Kansas.

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Young stock for sale. Also Silver Laced Wyandotte eggs for sale. JOHN REGIER, R. 1, Whitewater, Kansas.

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20 head strong, vigorous young bulls, 13 to 16 months old, will be priced single or in car load lots. Also a few highly bred Scotch bulls, well suited for herd headers, priced to sell. W. A. FORSYTHE & SON, Greenwood, Jackson County, Missouri.

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Imported Ardlethan Mystery 306632 (85177) should go to head a first class herd. Cannot use him longer as I have so many of his daughters. He is a show bull and sure. Also have 5 of his yearling sons, all good. Prices right. Come and see them. COL. ED GREEN, Florence, Kansas.

SHORTHORNS EVERGREEN HOME FARM.

Lathrop, Missouri. Milking Shorthorn cattle, bred hornless, Berkshire hogs, Oxforddown sheep, Bourbon Red turkeys. Young breeding stock for sale. A herd of 35 bred Oxforddown ewes to go at a bargain if taken at once. Address J. H. WALKER, Lathrop, Missouri.

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Brookside Farm, Savannah, Mo., breeders of Hereford cattle. Herd headed by Heasold 161st No. 162685 and Horace No. 200423, he by Beaumont. Young bulls for sale. Mail orders given prompt attention. WARREN LANDERS, Savannah, Mo.

SPRING CREEK HEREFORDS.

Headed by Christy 234417, Prairie Donald by Beau Donald 7th, and Sir Morgan by Onward 18th. Cows of Anxiety 4th, Heasold, etc., breeding, including imp. animals. Over 100 head in herd. Few choice young bulls and some good females for sale. TOM WALLACE, Barnes, Kansas.

RED POLLED CATTLE

RESERS RICHLY BRED RED POLLS. The only dual purpose cattle. Headed by Waverly Monarch, tracing to prize winning stock. Cows came from the best herds of two states; 7 choice bulls, some of them of serviceable age, and 7 cows and heifers. The heifers and bulls sired by a 2,006-pound sire. Visitors welcome. J. B. REESE, Biglow, Kan.

RED POLLED CATTLE

A few choice young bulls for sale; also a few cows and heifers. C. E. FOSTER, Eldorado, Kansas. COBURN HERD of Red Polled cattle and Percheron Horses, Young stallions, bulls and heifers for sale. Geo. Groenmiller & Son, Pomona, Kan.

POLLED DURHAM CATTLE

BELVEDERE X2712-195058. Son of the \$1,500 Grand Victor X1635 150365 heads my herd of Double Standard Polled Durhams. A few extra good, blocky, thick-fleshed young bulls for sale. Inspection invited. Farm adjoining town. D. C. VAN NICE, Richland, Kansas.

HOLSTEIN CATTLE

SUNFLOWER HERD HOLSTEINS

Offers cows, heavy milkers and sound, none above 7 years old, some heifers 2 and 3 years old, two extra fine young service bulls, a car load of bull calves. Prices and quality always right and satisfaction assured. Send for bull calf catalog. F. J. SEARLE, Oskaloosa, Kansas.

HOLSTEIN CATTLE

25 high grade Holstein cows and heifers for sale; 3 to 7 years old; a fine lot; well marked; nearly all pure bred but not recorded. Also one registered 2-year-old Holstein bull. B. L. BEAN, Cameron, Missouri.

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

Rock Brook Holsteins

Special offer: Twenty bulls ready for service at \$75 to \$100. Bul calves \$40 to \$75. Good individuals, best of breeding, all tuberculin tested. Write at once. ROCK BROOK FARMS, Omaha, Neb.

WOODCREST HOLSTEIN-FRIESIANS. Twenty registered bulls from 1 month to 2 years for sale; dams A. R. O. or A. R. O. breeding. On Rock Island, 30 miles east of St. Joseph, Mo., half mile from station. S. W. COOKE & SON, Maysville, Mo.

HOLSTEIN CATTLE—Young bulls of the famous Shadybrook family and some bull calves. This herd is headed by the celebrated Sir Johanna Colantha Payne No. 42146. No females at present. Address M. E. MOORE & CO., Cameron, Mo.

HOLSTEINS FOR SALE. Some very choice young bulls for sale, mostly sired by Prince Ormsby, now owned by Nebraska Agricultural College. His dams on both sides for four generations average 20 lbs.; he has 10-lb. sisters. J. P. MAST, Scranton, Kansas.

RED POLLED CATTLE

F. W. LAHR, Brooks, Ia., breeder of high-class Red Polled Cattle and Duroc Jersey Hogs. Herd bull Banker 16224, sired by One Price 5522, for sale. This is a 2,500 lb. bull of the show type, and a guaranteed breeder. Will be sold, worth the money. Write me for description of stock and prices. Satisfaction guaranteed. F. W. LAHR, Brooks, Ia.

SCOTCH SHORTHORN BULLS

Twenty head of high-class Scotch and Scotch topped bulls for sale; yearlings and 2-year-olds; all bred right and good individuals; also herd bull Victoria Prince Second 238026—herd bull with a record as a breeder; all will be sold; worth the money and descriptions of stock guaranteed. GEO. A. ROBINSON, Prescott Ia.

Make Big Money At Public Sales

There is no other profession that can be learned with so little outlay of time and money as that of Auctioneering. We teach you in four weeks' time so you can step at once into one of the best paying professions in the land, where by you can make from ten to fifty dollars per day.

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(Largest in the World.) Gentlemen: Please send me your large illustrated catalog. I may attend your school at Trenton, Mo., beginning August 7th.

COL. H. S. DUNCAN, Live Stock Auctioneer, Clearfield, Iowa. Name..... Address.....

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COL. N. S. HOYT

MANKATO, KANSAS. Pure Bred Stock and Large Farm Sales a Specialty.

FRANK J. ZAUN Fine Stock Auctioneer, Independence, Mo. Am selling for the best cattle and hog breeders in the West. Terms very reasonable. Write or wire for dates. Bell phone 675. "Get Zaun; He Knows How."

F. E. KINNEY

Oketo, Kan., will make pure bred stock or farm sales anywhere in Kansas or adjoining states; 15 years' experience; best of references furnished. Write or phone for dates.

LAFE BURGER, Live Stock Auctioneer, Wellington, Kansas—15 years of success in selling pure bred live stock.

W. C. CURPHEY Salina, Kansas LIVE STOCK AUCTIONEER Write, phone or wire me for dates.

GALLOWAY CATTLE

Capital View Galloways

Bulls of serviceable age all sold, a few last fall and a splendid lot of spring calves coming on. Get your order in early. G. E. CLARK, 2101 Van Buren Street, Topeka, Kansas.

FORT LARNED RANCH

REGISTERED GALLOWAYS for sale. Fifteen choice registered bulls 10 to 20 months old. E. E. FRIZELL, Larned, Kansas.

GUERNSEY CATTLE

GUERNSEY CATTLE FOR SALE—Young bulls by Eminence of Birchwood, 668 to 714 pound fat records. Stock guaranteed against tuberculosis for 6 months after sale. Largest herd in Kansas. Farm near Roxbury, Kan., and visitors welcome except Sundays. FREDERICK HOUGHTON, Galva, Kansas.

FIELD NOTES.

The Handy Automatic Hog Waterer is advertised in this issue by the manufacturers, the Novelty Iron Works, Sterling, Ill. This article is a specially good one, and is worth a place on every farm. It can be had from hardware and implement dealers in most every town. If your dealer can't supply you, write the company at above address and they will see that you are supplied.

Auld Bros. Have Red Polls. A Kansas Farmer representative recently spent a couple of hours very pleasantly at the home of the Auld Bros., Frankfort, Kansas. Auld Bros. are among the most successful farmers and stock raisers in Marshall county. They have a fine, well improved farm about a mile and a half from town and do business on quite a large scale. They have one of the best herds of Red Poll cattle to be found anywhere. The herd at this time numbers about 50 head and is headed by the ton bull Prince, bred by Chas. Morrison, Phillipsburg, Kansas. The cow herd is very uniform all of them having excellent colors. There are about a dozen very promising bull calves that will be for sale a little later. Watch this paper for further announcement regarding them. But write anything mentioning Kansas Farmer.

Does Everything With Engine. I attached my Cushman gasoline engine to an Acme binder last season and it worked to perfection. I run all other kinds of farm machinery with it. It will grind a bushel of corn in three minutes and is as steady as a steam engine. Henry Keyvans, Seneca, Kan.

The Bigger Yield Wheat Train. The bigger yield wheat special announced some days ago by the Rock Island Railroad and the Kansas State Agricultural College will leave St. Joseph, Mo., on Monday morning, July 10. Every town on the Rock Is-

land system in Kansas will be visited and lectures and demonstrations given by the experts and officials. The schedule is being given that you may know the day and hour of the arrival of the train at your station and be on hand. Remember, the railroads do not wait, and if you would hear these lectures you must be on hand.

Table with columns for location, arrival time, and departure time. Includes St. Joseph, Troy, Denton, Pierce Junction, Horton, Whiting, Holton, Mayetta, Hoyt, Topeka, Paxico, Alma, Volland, Alta Vista, White City, Lincolnville, Marlon, Peabody, Caldwell, Perth, Wellington, Riverdale, Peck, Haysville, Kechi, Whitewater, Liberal, Plains, Meade, Fowler, Minneola, Bucklin, Ford, Dodge City, Lv. Bucklin, Mullinville, Greensburg, Haviland, Cullison, Pratt, Preston, Turon, Arlington, Partridge, Lv. Hutchinson, Inman, McPherson, Galva, Canton, Durham, Ramona, \*Woodbine, \*Enterprise, Abilene, \*New Cambria, Salina.

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**POLAND CHINAS**

**POLAND CHINAS**

**POLAND CHINA HOGS - STEDEM'S STOCK FARM**

A number of Poland China fall gilts for sale. A fine lot of high class individuals. Many topnotchers in the lot, bred or open. Also a number of extra fine topnotch boars. Will sell worth the money to make room for spring litters. All breeding stock sold on a positive guarantee.

N. STEDEM, Prop., MARSHALL, MO.

**LONE ELM POLAND CHINA HERD**

J. M. PEMBERTON, FAYETTE, MISSOURI.

Breeder of Big Boned, High Class, Poland China Hogs. A number of high class fall gilts bred for September farrow for sale. Will also book orders for spring pigs. All stock guaranteed as represented; also safe delivery at your station. If you want big boned, high class Polands, write me at Fayette, Mo.

**GILDOW'S BIG TYPE POLAND CHINAS**

herd headed by Big Bill Taft and Pawnee Chief Hadley. Choice lot of spring pigs for sale; pairs or trios no kin, also a few extra good sows and gilts either bred or open. Our prices are right. Write DE. JNO. GILDOW & SONS, Jamesport, Mo.

SOME fine fall gilts at a bargain, either open or bred to my mammoth young boar. Spring pigs by five great boars. Orders taken and pigs shipped after weaning. Priced low to move. Write your wants. W. C. MULLIGAN, Clay Center, Kansas. Phone Idaho 68-22.

**HILDWEIN'S BIG TYPE POLANDS.** Headed by Kansas Leader by Union Leader, assisted by a grandson of Bell Metal; sows of Expansion, Hadley, Tecumseh and other big type breeding; choice lot of spring pigs. WALTER HILDWEIN, Fairview, Kansas.

**BIG POLANDS.** John B. Lawson's Herd, Clarinda, Iowa. The big, smooth kind. Pigs for sale sired by Long King's Equal. Book you order early. Pigs farrowed in February and early in March.

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

**ROSE LAWN POLAND CHINAS.** King Darkness by Meddler 2d, assisted by Shortgrass Meddler by Meddler 2d head my herd of richly bred Poland China sows. A few spring gilts by On the Spot for sale. E. J. MANDERSCHIED, R. 3, St. John, Kan.

**CORRECT TYPE POLAND CHINAS.** Headed by M.'s Giant Wonder by Price Wonder, dam by Orange Chief. Sows in herd of Expansion, Hadley, etc., Breeding pigs both sexes for sale. JOHN T. CURRY, Winchester, Kan.

**S. P. CHILES POLAND CHINAS.** For sale, a choice lot of spring pigs, sired by Sentinel and Independence, out of S. P. Perfection sows and Perfect Louise and S. P. Louise. The dam of the Iowa champion and junior champion last year. Write for prices. S. P. CHILES, Jefferson, Kans.

**RYESTEAD'S BIG KIND POLAND CHINAS** Contains the breeding of about all leading big type sires. Herd boars O. K. Hutch by Hutch Jr. and Commander B. by Big Commander. 75 choice pigs to date. Visitors welcome. A. R. RYESTEAD, Mankato, Kansas.

**Weisner's Big Smooth Poland Chinas** headed by Metal's Choice by Mo. Metal, he by Bell Metal. Eighty early spring pigs sired by this boar. Expansive, Big Price, Col. Thomas and other good sires. Dams in herd are big and motherly and have the best kind of big type pedigrees. Visitors welcome. T. J. MEISNER, Sabetha, Kansas.

**Highview Breeding Farm** THE KIND OF OUR FOREFATHERS. Home of the big-boned spotted Polands. The only registered herd of original spotted Poland China son earth. I am now booking orders for spring pigs to be shipped when weaned; pairs or trios; no kin. H. L. PAULKNER, Box K, Jamesport, Mo.

**Short Grass Herd Polands** A few choice fall boars sired by King Darkness, Toastmaster, 2d Impudence, Looking Forward and Short Grass Lad, out of high class sows. Price \$25, all first class and guaranteed. J. F. WARE, Garfield, Kansas.

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

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

**FAIRVIEW POLAND CHINAS** FOR SALE—50 extra fall pigs, both sexes, with size and quality; priced to sell; descriptions guaranteed. Write us. P. L. WARE & SON, Paola, Kansas.

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

**GREEN LAWN HERD BIG BONE POLAND CHINAS.** Herd headed by Big Spot, Major B. Hadley, a 600-lb. hog at 18 months old with a 10-inch bone, and Giant Wonder by A Wonder. Fall and spring pigs sired by above hogs; also some sired by A Wonder, Long King and Longfellow, Jr., out of large sows sired by Blain's Wonder, Expansion John, Grand Tecumseh, King Blain, Long King and Blain's Last Hadley. Correspondence solicited, descriptions guaranteed. A. J. ERHART & SONS, Adrian, Mo.

**Choice Fall Boars For Sale**

Good ones sired by Captain Hutch 29068. Barred Plymouth Rock eggs from farm range birds. Visitors welcome. J. H. HARTER, Westmoreland, Kansas.

**FALL BOARS BY HADLEY BOY 48009**

Out of strictly big type sows. Prices right. GEO. M. HULL, Route 1, Garnett, Kansas.

**FALL BOARS ALL SOLD**

A few choice sows bred to EXPANSIVE 34723 for summer litters for sale now. H. B. WALTER, Effingham, Kansas.

**Albright's Big Polands**

Headed by A. L. Hadley. Sows of Expansion, Skybo, L. & W. and S. P.'s Perfection breeding. Visitors welcome. A. L. ALBRIGHT, Waterville, Kansas.

**Graner Has Fall Boars For Sale**

sired by Guy's Monarch and out of great, big sows. The tops saved from a big crop. Out of sows noted for their size and breeding. Mention this paper when writing. H. C. GRANER, Lancaster, Kansas.

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

**WILLFOUNG'S POLAND CHINAS LEAD.** Breed both big and medium type. Herd boars Big Mogul by Moguls Monarch and Pillbuster by Meddler 2nd. Over 100 choice spring pigs to select from. Also summer and fall gilts. Write for what you want. J. D. WILLFOUNG, Zeandale (Riley Co.), Kans.

**CRESCENT HERD BIG TYPE POLAND CHINAS,** headed by R. B.'s Hadley, a grandson of Big Hadley. Sows large and motherly and carrying the blood of noted big sires. choice lot of spring pigs by different boars. Farm 5 miles N. W. of town. R. M. BUNNELL, Atchison, Kansas.

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

**12 Strictly Big Type Boars**

Sired by King Elm0, one of the biggest and smoothest Poland China boars living. Want to make room and will price these fall boars reasonable. Fall sale October 19. J. J. HARTMAN, Elmo, Kansas.

**Big Boned Poland Chinas**

Forty big, stretchy boars and gilts for sale sired by the most noted boars, Big Hadley, John Ex., King Hadley and John Long 2d, and out of strictly big type sows. Write at once: 200 head in herd. CHAS. Z. BAKER, Bettler, Mo.

**Middle Creek Poland Chinas**

For Sale—Few large type fall boars sired by Monarch Mogul out of my best sows. They are herd headers and priced to sell. Write at once. W. H. EMENS, Elmdale, Kansas.

**BIG HADLEY, BIG HUTCH AND EXPANSION BLOOD**

Predominate in my herd. Herd boars: Hutch Jr. by Big Hutch and King Hadley 2d by Big Hadley. Among sows are Granretta, litter sister to Bell Metal; Pan Princess, weight 725 lbs.; Mollie S., 750 lbs., and Jess Corwin, the dam of Expansion See, the biggest boar ever owned in the West. 90 choice pigs farrowed to date. Visitors always welcome. C. W. JONES, Solomon, Kansas.

**OHIO IMPROVED CHESTERS**

**MOSSE OF KANSAS**

Kansas Herd of Improved Chester Whites. Grand Champion Sow Kansas State Fair. ARTHUR MOSSE, R. D. 5, Leavenworth, Kansas.

**MAPLE LEAF HERD**

IMPROVED CHESTER WHITES. Herd headed by White Frost, an excellent individual, assisted by Garnett Model, a grandson of the great Kerr Garnett; spring pigs from 5 other noted boars; have a few good fall pigs left to offer. Correspondence cheerfully answered. White Wyandotte chickens; eggs for sale. E. W. GAGE, R. 5, Garnett, Kansas.

**DUROC JERSEYS**

**DUROC JERSEYS**

**ROSE HILL DUROC JERSEY HERD**

December pigs weighing 175 lbs. Some good show prospects. A splendid lot of Feb. and March pigs. Also choice gilts, bred for Aug. and Sept. farrow, and several big boned boars ready for service. We will also sell a few extra good tried sows bred for second litters. All stock guaranteed as represented. S. Y. THORTON & SONS, Blackwater, Mo.

**E. W. DAVIS & COMPANY'S MODEL QUEEN DUROC JERSEY HERD.**

The High Class Herd of Missouri. The home of Model Queen, grand champion sow at Nebraska State Fair in 1910; also the famous herd boars, McNeil's Model 69870, King of Cois, 2d 22351 and Blue Ribbon Chief 66583. A high class lot of spring pigs now ready to ship. Our bred sow sale July 26. The offering will be a strictly high class lot of tried sows and gilts. E. W. DAVIS & CO., Glenwood, Missouri.

**12 Extra Choice Duroc Boars For Sale**

Tops of 30 head, sired by King of Chapin & Nordstrom, Green, Kan. Col. 2d and G. C.'s Kansas Col.

**RIVER BEND HERD DUROCS.**

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

**UNITY CHESTER WHITE HERD.**

J. N. George, Hopkins, Mo. Breeder of strictly high-class Chester White hogs; a number of extra-high-class spring boars for sale; a selected lot of show prospects. Write for breeding and descriptions of stock; all breeding stock guaranteed as represented. Prompt reply to all inquiries. J. N. GEORGE, Hopkins, Mo.

**THE BEST DUROC JERSEY BLOOD OBTAINABLE.**

Will be found in what we have in spring pigs; 125 good ones sired by Ohio Col., winner of first and sweepstakes at Hutchinson Kansas State Fair last year, and second at Nebraska State Fair. Others by Blue Valley Chief, by Viley Chief, and Chiefs Wonder, by Ohio Chief, Lincoln Top and others, out of mature and richly bred sows. Stock always for sale. THOMPSON BROS., Garrison, Kansas.

**HAMPSHIRE HOGS.**

All ages, both sexes, best strains, prize blood. Prices right. C. W. WEISENBAUM, Altmont, Kansas.

**BERKSHIRES**

**LARGE ENGLISH BERKSHIRES**

Breeding Stock for Sale. H. U. McCURDY & CO., Hutchinson, Kansas.

**BERKSHIRE HOGS.**

Baron Premier 84th, Premier Duke 70054 and Artful Premier 73307 at head of herd. A few choice yearling boars and gilts for sale out of high class sows. Write me. I can please you. JUNE K. KING & SON, Marshall, Missouri.

**RENO BERKSHIRES.**

For sale, 4 boars and 4 gilts. Sept yearlings. Weight 250 to 275 pounds. Gilts sold bred or open. Price \$30 to \$40. All sired by the Grand champion at Kansas State fair, 1910. Write at once. T. E. Clarke, Medora, Kansas.

**POLAND CHINAS**

**6-BIG TYPE POLAND BOARS-6** August and September farrow; \$25 each if sold soon. L. E. KLEIN, Zeandale, Kansas.

**BRED GILTS \$25 to \$30 EACH.** 20 fall gilts, big and smooth. Big type. Good time to start herd. Write quick. F. D. YOUNG, Winchester, Kans.

**ALFALEA STOCK FARM.**

The home of richly bred and practically fed Durocs. Herd headed by Pagett's Col, by King of Cois, and Chiefs Wonder by Ohio Chief; 200 spring pigs sired by 14 different boars; special prices on pairs and trios not related. Buy early and save on express. PEARL H. PAGETT, Beloit, Kansas.

**MOONEY CREEK POLAND CHINA HERD.**

The biggest of the big. Wonder and Mastodon strains. Herd headed by Big Osborne. Pigs raised under natural conditions and no overfed. I have bought seed stock from the best herds in Iowa and have new breeding for Kansas. Write for information about the kind I breed. Visitors always welcome. JOHN W. NOLL, Winchester, Kans.

**AMCOATS BIG POLAND CHINAS.**

Herd headed by the line bred Expansion boar Bell Expand by Bell Metal, 50 of the best Pigs we have ever raised now ready to select from. All but one litter by boar just mentioned and out of mature sows bred along popular lines and strictly big type. Buy early and save heavy express rate. Will also sell Bell Expand. S. B. AMCOATS, Clay Center, Kansas.

**FIELD NOTES.**

**J. J. Hartman Writes.**

It is always a pleasure to hear from a successful breeder like J. J. Hartman of Elmo, Kansas. Mr. Hartman reports more Poland Chinas farrowed and says that he has 25 sows bred for fall farrow. Mr. Hartman has a few fall boars for sale that he is pricing reasonable. When writing please mention Kansas Farmer.

**Garrison's Poland Chinas.**

A. B. Garrison the veteran Poland China breeder of Summerfield, Kansas, has his usual good lot of pigs this year. There are about 70 of them out of as great a line of sows as can be found in any herd in the land. Mr. Garrison has owned some of the most noted big type Polands that have ever been kept in this or adjoining states. Among them the great boar Gold Medal that now heads the J. C. Halderman herd at Burchard, Neb.

**Tom Meisner Writes.**

At this time of year when the days are long at both ends, when it is too warm

inside and too windy outside. When everyone you meet mentions the fact that it is dry and warm. It is a delight to get a letter from Tom Meisner. Tom has got both the hogs and the nerve. He reports the pigs doing as fine as possible and says he has 40 head of spring pigs that will weigh 125 pounds each. They were all vaccinated May 26th and they have all come out of it nicely. Tom says he visited John Halderman of Burchard, Neb., recently and had a fine visit besides seeing a mighty good bunch of hogs.

**North East Kansas Sale Circuit.** Reports from the Big Type Poland China breeders that compose the North East Kansas sale circuit indicate that these four sales should be borne in mind by farmers and breeders who are looking for the very best of this breed. J. H. Harter, of Westmorland, opens the circuit at his farm near Blain and Fosteria on the Leavenworth and Miltonvale branch of the Union Pacific. His date is Oct. 30th on Monday. The following day M. T. Williams of Valley Falls on Santa Fe and Leavenworth & Miltonvale Railroad, sows at his farm three miles from town. The third day, Wednesday, H. B. Walter sells at the farm near town Effingham on the Central Branch, Missouri Pacific. The day following H. C. Graner sells at his farm near Lancheater 12 miles North of Atchison. The four sales can be attended with comparatively little expense. Every member of this sale circuit is a breeder of standing and has a herd worthy of the consideration of the lover of Pure bred Poland Chinas.

**Pagett Has 200 Duroc Pigs.** Pearl H. Pagett of Beloit, Kansas, one of the state's best known and most successful Duroc Jersey breeders, starts his advertising in this issue of Kansas Farmer. Mr. Pagett has for sale two hundred spring pigs, sired by fourteen different boars and representing a great variety of the very choicest breeding. A large part of them were sired by Mr. Pagett's great boar, Chief Wonder by Ohio Chief and Pagett's Col, by old King of Cois and out of an Ohio Chief dam. Others are by Proud Col, Dreamland Col., L. C.'s Defender, Bonnie K., Challenger by Golden Ruler, Bell's Prince Wonder, etc. The pigs have for dams as fine a lot of daughters of the noted boar Pearl's Golden Rule. Others by Ohio Chief, Lincoln Top, W. L. A.'s Choice Goods, Chiefs Col and other boars of note. Mr. Pagett is a real breeder, he raises the best in large quantities and always has something for sale. His pigs are farm raised and have the run of big alfalfa fields. Write for prices on pairs and trios not related, mentioning Kansas Farmer.

**Spring Brook Stock Farm.** Mr. T. M. Willson, Proprietor of Spring Brook Stock Farm located at Lebanon, Kansas, is one of the successful Poland China breeders of this part of Kansas. In fact Mr. Willson has one of the finest and best improved stock farms the writer ever saw. It is kept in a high state of cultivation and made richer from year to year from the fact that all the crops are fed on the farm. The farm also maintains a very choice small herd of Shorthorn and Polled Durham cattle. The Poland China herd is headed at this time by the big smooth boar Jesse Logan is a son of Logan Price, Jesse Logan was bred by Geo. W. Smith of Burchard, Neb. He is not only a good individual, but has proven himself a good breeder. Mr. Willson has about 80 very choice spring pigs sired by several different boars, among them some good litters by Big Sam and Hadley, a son of Smith's Big Hadley. The sows in the herd are of the large type, some of them daughters of Jesse Logan, others by Willson's Choice, a grandson of First Quality. When writing Mr. Willson please mention Kansas Farmer.

**Reser's Good Red Pells.** Mr. J. B. Reser, breeder of Red Polled cattle, starts his advertising card in Kansas Farmer this week. Mr. Reser gets his mail at Biglow, Kansas, and lives five miles southeast of that place, and nine miles north west of Plain on the L. K. & W. railroad. Mr. Reser for the short time he has been engaged in the business has gotten together one of the best herds to be seen anywhere. His present herd bull Waverly Monarch was sired by Edgar, he by Chicago, a noted prize winner of the breed. The cow herd consists largely of females purchased from Chas. Morrison, of Phillipsburg, Kans., and E. P. Fruit of Waverly, Neb. Mr. Reser being quite a liberal buyer at the Fruit-dispersal sale. Mr. Reser has at this time for sale seven very choice young bulls and the same number of sows and heifers. The bulls and heifers were sired by a ton bull. The mothers of the calves are all being milked and every opportunity given to fully develop the milking character. The bulls range in age from calves up to a couple that are about old enough for service. Mr. Reser prices his stock very reasonably considering individuality and breeding. He is always glad to show his herd and makes visitors welcome.



# BARGAINS IN LANDS

## COLORADO FRUIT FARM

### FOR SALE OR TRADE

My elegant Fruit Ranch in Grand Valley, at Palsade, Colorado, is for sale at a figure much lower than tracts in same vicinity. I am so situated that I cannot care for it. I have over 1,000 full bearing apple and peach trees, eight years old. 7 room house, packing shed barn and cistern. 2 1/2 miles from Palsade 1/2 mile from a ten grade school; delightful climate, lovely home and a profitable investment. Price \$10,000. \$3,000 cash, and \$2500 in correct values; or \$5500 cash will handle this deal. You deal direct with me and save commission. Add address

**W. W. Bingham, 4501 Osceola St. Denver, Colo.**

## FARMS FOR 61 FARMERS IN COLORADO

Out of that level strip of alfalfa, between Colorado Springs and Pueblo, along that beautiful stream which flows from the mountains, called the Fountain and skirted by a heavy growth of timber and paralleled by the Rio Grande, Santa Fe and Southern Railroads, also that beautiful auto boulevard from Kansas to Denver.

Write me today for a map of this land and full particulars which will cost nothing. Do it now. **O. W. LOVAN, Room 26, Independence Bldg. Colorado Springs, Colorado.**

## NESS COUNTY "SNAPS"

A square section of smooth land; 200 acres bottom land in cultivation; good shallow well; in good neighborhood; 8 miles to R. R. town. Price \$17.50 per acre. Can be divided at same price. Write for price list and county map. **FLOYD & FLOYD, Ness City, Kansas.**

**BUY OR TRADE** with us. Exchange book free. **Bersie Agency, El Dorado, Kan.**

**240 ACRES, 9 rm. dwelling, close to town; bargain. Buckeye Agency, Agricola, Kan.**

**IMP. and unimp. land in western Kansas. W. G. Ruth, Scott City, Kansas.**

**I MAKE** a specialty of Ford county land and Dodge City property. **P. H. SUGHRUE, Dodge City, Kansas.**

**GET OUR BOOK OF 500 FARMS** and properties everywhere to trade. **Graham Bros., Eldorado, Kan.**

**HAVE** over 100,000 acres in different tracts; country is good. Write for my list. **J. Douglas Harp, Mullinville, Kiowa Co., Kan.**

**ESTABLISHED 1885**—Write for free list. **Park H. Thornton, Real Estate Dealer, Coldwater, Comanche Co., Kansas.**

**33 YEARS IN NESS COUNTY.** Write me about cheap farms here. **W. P. ANDERSON CO., Brownell, Kansas.**

**IMPROVED WHEAT FARMS** in Ford county at \$25 per acre up; near R. F. D. and telephones and schools. **BROWN & VERNON, Dodge City, Kansas.**

**200 ACRES, 14 miles south of McPherson, Kan.; good farm; price \$90; exchange for mdse.; mostly alfalfa land; imps. good. J. M. Clubine, Durham, Kan.**

**FOR SALE**—Ranch of 1120 acres 5 miles from my town, at \$22.50 per a.; improved. Also good Ford Co. lands at \$25 per a. **J. R. BECKTELL, Macksville, Kansas.**

**FOR SALE OR TRADE**—Properties of all kinds. Lands \$15 to \$75 per acre. 40 years' residence. **W. H. Kaitenbach, Toronto, Woodson Co., Kansas.**

**OLDEST LAND AGENTS IN MONTGOMERY county.** Write today or choice list of farm bargains. **Foster Bros., Independence, Kansas.**

**FOR TRADE**—A \$20,000 stock of general mdse. Wants Kansas land at actual value. Good town with fine country around. **Taylor & Bratcher, Coldwater, Kansas.**

**10 DOLLARS PER ACRE UP TO \$25** buys best improved farms in Wichita county, Kansas. **WHEAT KILT LAND CO., LEOTI, KAN.**

**160 ACRES, 3 miles of Towanda. A snap at \$7500.** Other good farms in western Butler county. Write for particulars. **G. W. MOORE, Towanda, Kansas.**

**ONE-HALF SECTION** improved Stafford Co. wheat farm, \$60 per a. Must be sold before July 1; close to church and school. See this and make me an offer. Write for full particulars. **J. B. KAY, St. John, Kansas.**

**WRITE FOR MY BIG LIST OF CHEAP** cattle, horse and sheep ranches. I have improved farms worth the money on terms to suit in the sure wheat belt. Agents wanted to co-operate. **J. C. WHARTON, McCracken, Kansas.**

**FINE HOME, 48 a., one mile of this city,** about \$8 a. now in cultivation, bal. pasture, 6 room house, new barn 34x60 and hay loft; two wells and mill and other outbuildings; good orchard and all second bottom land. Priced to sell at \$5,500 cash. **E. F. Dewey, Blue Rapids, Kan.**

**A BARGAIN**—Fine improved section five miles from county seat, \$70 per acre, 1-3 cash; new modern house, fine barn; 160 a. fenced with woven wire; 500 a. under cultivation. Correspondence invited. **G. W. Grandy, St. John, Kansas.**

**YOU'LL LIKE LINN COUNTY, KAN.** We have abundant coal, wood, natural gas and good water. The land raises magnificent crops of alfalfa, timothy, clover, bluegrass, oats, corn and wheat. R. F. D. and phone at your door. Price \$20 to \$80 per acre. List free. **A. E. ROOT, Pleasanton, Kan.**

**LIVE AGENT WANTED** in your locality to assist in selling corn, wheat and alfalfa land. We own thousands of acres in Lawrence and adjoining counties. Write for proposition on our own ranches. **FRIZELL & ELY, Larned, Kansas.**

**ANDERSON COUNTY**—268 acres, 65 acres in cultivation, 25 acres mowland, balance pasture, 10 acres fenced hog tight. Plenty water. Six-room house, new barn 46x50 and other improvements. Six mi. to Garnett, 3 miles to Bush City, 1/2 mile to school. Price \$85. This is a bargain. **Geo. W. Her & Sons, Garnett, Kansas.**

**CHOICE ALFALFA LAND,** for sale or exchange. Exchange propositions are made a specialty. **UNITED LAND COMPANY, 902 Schwatzer Bldg., Wichita, Kansas.**

**WHAT** have you to trade for lands or city property? **Hale, Coffeyville, Kan.**

**BAGAINS** in Southern Kansas farms, unimproved lands and stock ranches. Prices \$25 to \$70 per acre. **E. K. Longley, Howard, Kansas.**

**FORD COUNTY**—Good, smooth wheat and corn land; rich, deep loam; all tillable; all sizes; \$12.50 per acre up; terms. **WILSON & WRIGHT, Dodge City, Kansas.**

**GOOD WHEAT LAND** in Meade and Seward counties at reasonable prices; easy terms at 6 per cent; Gray and Finney county lands on easy payments at 7 per cent; also Stafford county farms. **J. B. C. Cook, Stafford, Kansas.**

**15,000 ACRES CHEAP LAND,** Kit Carson County, Colorado for sale or exchange. Good relinquishments cheap. This is the rain belt of Colorado. Good soil, good water, good crops, everything prosperous. Write for particulars. **GIBSON & NELSON, Flagler, Colo.**

**BUTLER, HARVEY AND SEDGWICK CO. LANDS.**

Plenty of rain and everything looking fine. Come and pick out your farm on next March settlement. All kinds of exchanges. Send for new list. **EBERHART & MELLOR, Whitewater, Kan.**

**FOR EXCHANGE.** A fine 80 acre farm in Sumner county, Kansas, 2 1/2 miles from town, 65 acres in cultivation; extra good soil; \$50 per acre; mtg. \$1500 to run 5 years. Want hardware for equity. **A. B. ESTEP, Yates Center, Kansas.**

**100—CHOICE DICKINSON AND CLAY CO. FARMS—100**

80 acres 3 miles from town, 70 a. under plow, alfalfa land, 20 pasture and meadow, 5 room house, good well, barn and other buildings. \$2000 cash; rest to suit; 25 a. wheat included. Write for list. **J. J. Bishop, Wakefield, Kan.**

**THREE 80's** in Reno Co., best of wheat and alfalfa land, 1-3 of crop goes if sold soon at \$135; terms to suit; a bargain. Also one quarter sec., 1 mi. to school and church (Catholic); 4 miles of railroad station; good improvements and good land. For a short time at \$75 per acre. Terms to suit. **M. J. Hilger, Garden Plain, Kansas.**

**160 ACRES, 3 miles from town, one 4-room and one 2-room house, barn with mow 14x24, cattle shed 14x50, 85 acres cult., 4 acres alfalfa, 15 a. alfalfa land, all tillable, school 1/2 mi., telephone, young orchard and grove of forest trees. Price \$4,500. Trade for good clean stock general merchandise or hardware. **F. T. McInch, Ransom, Kansas, Land list free.****

**A BUTLER COUNTY BARGAIN.** Crops Never Looked Better. 160 a. 5 mi. town, all good soil, 125 cultivated, balance pasture and meadow. Two sets improvements. A snap for a short time at \$55 an acre. Send for full description. **Kansas Map and new land list free. JAS. A. THOMPSON, Whitewater, Kansas.**

**IF YOU MEAN BUSINESS** and have real estate and merchandise of any kind for sale and exchange, and are willing to pay a commission should I make you a deal, write me at once of what you have and desire. I have several very attractive propositions to offer you for a home or investment; am doing a general exchange business. **Carl G. Anderson, Athol, Smith Co., Kansas.**

**THE BEST TOWN TO LIVE IN.**

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

## FOR TRADE

**285 acres 4 miles of Garnett, Kan.; 70 acres in cult.; 25 pasture, balance meadow; 5 room house, barn, etc. Price \$15,000; mortgage \$5,000; wants mdse. 80 acres 3 miles of Greeley; good farm, well improved. Price \$5,200. Wants western Kansas land. **SPOHN BROS., Garnett, Kansas.****

**FARMS, RANCHES** and City property for sale and exchange. Merchandise stocks a specialty. **A. N. BONTZ, Wichita, Kansas.**

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

**270 A. good land, well improved in Cowley Co. \$37.50 per a., if sold soon. R. M. Williams, Winfield, Kans.**

**CALHAN, COLO.,** We have thousands of acres of land for sale cheap and on easy terms in the great rain belt country of eastern Colo. for full information write—The Eastern Slope Securities Co., Calhan, Colo.

**FARMS FOR SALE IN CLOUD AND** surrounding counties in Kansas. All prices, from \$30 to \$100 per acre. Glad to send you the list. **Concordia Land Co., Concordia, Kansas.**

## Cheap Kansas Land

From \$3.00 to \$15.00 per acre. write **GEO. J. DOWNER, Syracuse, Kans.**

**240 IMPROVED, Woodson Co.—timothy,** clover, alfalfa on farm. Wants mdse, or income property. Write for description. **YATES CENTER LAND CO., Yates Center, Kans.**

**A GOOD** corn, wheat and alfalfa section; fine for hog and cattle feeding. 90 mi. from Kansas City. Well improved. Write for price, terms and pictures of improvements. Can take 32 a. as part payment. **T. J. Ryan & CO., St. Marys, Kan.**

**A FINE NESS COUNTY FARM—240 acres** 1 1/2 miles from town, 1/2 mile to school. 160 acres perfectly smooth, 80 acres pasture land not rough, good well, NEVER DRY, all fenced and cross fenced. Price \$25 per acre. Will trade for good clean stock of mdse., groceries preferred. If interested write for list. **Rutherford & Oliver, Utica, Kan.**

## WRITE G. L. PAINTER & CO.

About Ford Co. Land, \$15 per acre up. **DODGE CITY, KANSAS.**

## Hamilton County Lands

One quarter section, \$900. 480 acres, Bear Creek Valley, \$3,300. 100 acres Arkansas River bottom alfalfa land, \$8,000. **J. B. PRATT, Syracuse, Kansas.**

**LIFE** is worth living in Kearney county. Hunting and fishing on Lake McKinney; 7 mi. long; rich soil; one crop pays for land; we have R. F. D. and telephones. Write for information about Kearney county. **LAKIN LAND & IMMIGRATION CO., Lakin, Kan.**

## WESTERN KANSAS

Wheat and alfalfa lands cheap; no sand or rock; good soil and productive; write for list; state in first letter what you wish; save delay. **V. C. CUTLER CO., Scott City, Kansas.**

## Just What You Want

160 acres, Rush county, Kansas, 2 1/2 miles from good town and railroad station, 100 acres under cultivation, 60 acre grass, all tillable, a bargain at \$4,500. **JAMES H. LITTLE, The Rush County Land Man, LaCrosse, Kan.**

**A HUMMER—160 acres, house of 3 rooms,** stable for 2 teams, cow stable, well, windmill tank, cement chicken house 10x30, 80 acres in cultivation, 80 acres in pasture, all can be farmed; rich soil, second creek bottom. Price \$3500; good terms. Send for big list. Address **STINSON & SHELDON, Spearville, Kansas**

**400 ACRE STOCK FARM** for sale; has 2 sets of good improvements; land lays fine; is good soil; is well watered and has a fine grove or park and joins a good town. A rare opportunity. Don't miss it. Write for particular and list of farms. **Spears Realty Co., Ottawa, Kansas.**

**DO IT TODAY.** Write C. W. Hinnen of Holton, Kan., for some information regarding 5, 10, 20 and 40 acre tracts joining Holton, Kan. He has some of the best improved and unimproved tracts in the state. These tracts lay within a mile of town. Write today. **C. W. HINNEN, Box 143, Holton, Kansas.**

**LOOK READ ACT.** 160 acres, 11 mi. town smooth, level and beautiful. Good rich soil, adapted to the raising of all kinds of small grains. Land in same vicinity sells at \$15 per acre. up. **BUT LISTEN!** \$12.50 will buy this, \$500.00 cash, make your own terms on the rest. A beautiful residence lot in Plains will be given the purchaser FREE. Who wants it? **COONS & JACOBS, Plains, Meade County, Kansas.**

**MONEY MAKING BARGAIN.** 350 a. between two railroads two miles from each. 90 a. creek bottom, some good timber, new 8 room house, closets and cellar, Bell phone, good barn and numerous outbuildings. This is a money maker. Price \$45 per a., \$3,000 cash, bal. at 6 per cent. **CHANUTE R. E. CO., 19 S. Highland, Chanute, Kan.**

**FINE STOCK FARM.** 560 a., 100 a. in cultivation, 150 a. in meadow, remainder in good pasture; 5 room house; nice barn 108 ft. long, 30 ft. wide; other buildings; good well; orchard; on rural route 3 miles to shipping point and 5 1/2 miles of Fredonia, the county seat, a flourishing city of 3 railroads and abundance of natural gas; very healthy and nicely located. Will take \$32.50 per a. if sold by August 1. Good terms. Address **OWNER, Lock Box 926, Fredonia, Kansas.**

**MONEY** in western land. Live agents wanted. Write **WALTER & WALTER, Syracuse, Kansas.**

**\$35 PER ACRE** for 440 a. ranch; 3 mi. from town; well improved; best limestone soil. Other bargains. Write for list. **T. B. GODSEY, Emporia, Kansas.**

**Mr: Small Investor** Let me tell you some profit on a few dollars invested each month in Plains, Kans., town lots. Price \$12.50 to \$50. Write me. Right now. **JOHN W. BAUGHMAN, Desk F, Plains, Kansas.**

## Fine Stafford County Ranch

at \$25.00 per acre. Write for particulars. **A. L. McMILLAN, Stafford, Kansas.**

## Do You Want To Sell Your Farm?

It is my business to help find buyers for farms. I charge nothing for telling you how I work. If you hire my help the cost is very little. Write me for my plan. **E. L. GARVER, Box 142, Topeka, Kan.**

**FOR TRADE—232 A. near here; all good** smooth black land; two sets of improvements on it; mtg. \$1,000; half in cultivation. An ideal home; owner wants a good hardware and implement stock; well located. Price \$85 per a. Write. **G. T. KINSEY, LeRoy, Coffey Co., Kansas.**

## GET A HOME.

160-acre farm 2 1/2 miles of R. R. town and 5 miles of county seat, 10 a. in cultivation, 40 a. pasture, 10 a. mow land, 6 a. orchard, 5 a. alfalfa, good 6 room house, small barn and granaries, all fenced, 2 fine wells of water, fine grape vineyard, 1/2 mile to school, farm drains well. Price \$7,000. Immediate possession. One-half cash will handle this. Write for our land list. **BATTEN REALTY CO., Medford, Oklahoma.**

## INDIAN LANDS!

**50,000 Acres** of rich black corn land in EASTERN OKLAHOMA for sale, trade or rent. Write **ALLEN & HART, Owners 308 Commerce Bldg., Kansas City, Mo. And Claremore, Okla. Agents Wanted.**

## LOWER PECOS VALLEY IRRIGATED LANDS

In West Texas is absolutely the best location for safe and profitable investment in America. 40 acres will provide an ideal home and a yearly income of \$8000 to \$5000. Development has only fairly started and present values will double and triple in price within two years. We own or control the sale of the best dependable irrigated lands which we can sell in tracts to suit at from \$50 to \$100 per acre, water rights fully paid, on easy terms, or we can supply sections of artesian or shallow pumping well lands at \$5 to \$10 per acre. For productiveness and all the year climate the Pecos Valley is unsurpassed. Let us know your wants and we will supply detailed information. Address **THE HEATH COMPANY, 100 West Seventh St., Topeka, Kan.**

## Lamar Colo., NO BETTER IRRIGATED LANDS

Improved, Irrigated Farms, Cheap Lands, Fruit Tracts and City Property at prices that are right. Terms to suit. **C. C. COLE, Boulder Colorado.**

**320 A. Gov't Homesteads** Exceptionally fine land, in well settled community, where good crops are raised every year. Easily worth \$5,000 to \$8,000 by proving up time. Quick action necessary to get one of these. I charge reasonable location fee—write or come at once—you can't lose if you want a good productive home. **CARL M. COOK, Limon, Colo.**

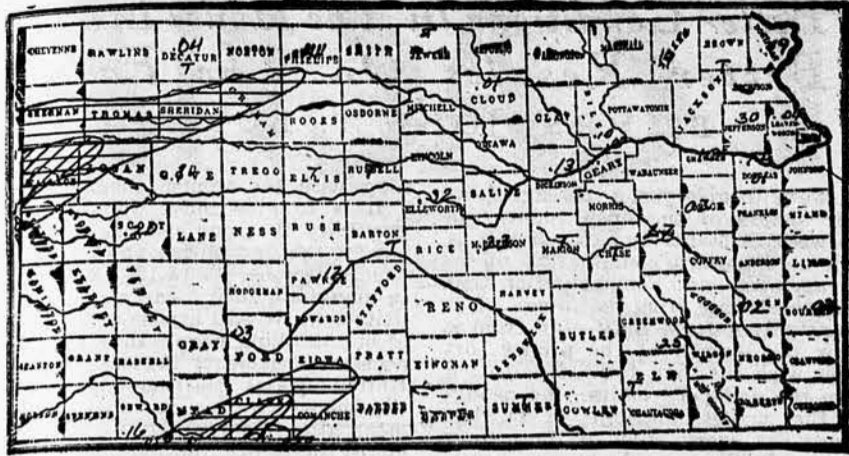
When writing advertisers, please mention **KANSAS FARMER.**

**Ben Bell and His Big Poland Chinas.** Ben Bell, of Beatle, Kan., one of the best known breeders of big type Poland Chinas in Kansas is before the public again with over 300 head. Of this number 100 are pigs farrowed the last days of December and the first days of January. About 125 are March and April farrow. The dams are What's Ex and Bell Metal sows. Mr. Bell has also 25 sows bred for August farrow. He has 10 acres of corn that couldn't look better and he is giving every pig his personal attention. September 26th has been selected for a fall sale. The boys and girls that go into this sale will be selected from among the December and January pigs. Kansas Farmer readers are familiar with the Bell kind and should bear this date in mind when asking questions about the hogs please mention Kansas Farmer.



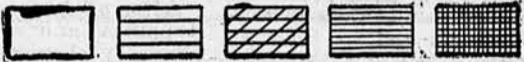
# KANSAS CROP REPORT

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



UNITED STATES WEATHER OBSERVER'S REPORTS BY COUNTIES.

INCHES:  
SCALE IN



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

Anderson—Very dry. Chinch bugs leaving wheat and oats and going into corn. Must have rain or corn and pasture are gone.  
 Barber—Corn doing fairly well. Too hot and dry for alfalfa.  
 Bourbon—All crops suffering from dry weather except corn which is holding its own.  
 Brown—Hot and no rain. Clover in good condition. Wheat harvesting.  
 Chase—Oats being cut. Very short. Corn still looks well.  
 Chautauqua—No rain for June. Pasture drying up and stock water scarce. Corn very much in need of rain.  
 Clark—Harvesting. Weather fine. Not very dry.  
 Cloud—Alfalfa, pasture and gardens in bad condition.  
 Coffey—Pasture very short. Stock water scarce. Second cutting of alfalfa light. Corn growing fairly well, but needs rain.  
 Decatur—Most of wheat not worth cutting. Corn looking well, but slow growth. Considerable alfalfa cut and stacked.  
 Dickinson—dry weather. Corn doing well but needs rain.  
 Doniphan—Rain much needed.  
 Douglas—Wheat harvesting. Oats cut for hay. Water getting short. Corn still looks well.  
 Elk—Farmers cutting oats, very short. Corn standing dry weather well, also Kafir. Stock water beginning to get scarce.  
 Ellis—Dry. Wheat harvest, small crop.  
 Ellsworth—Wheat cutting, about half crop. Corn looks good but needs rain.  
 Ford—Up to date the driest since 1875.  
 Gove—Hot and dry.  
 Greenwood—Hot and dry. Stock water scarce. Rain needed.  
 Harper—Week hot and dry. Corn looking well, but needs rain.  
 Jefferson—Very dry. Crops suffering. Early potatoes failure. Wheat yielding 30 bushels. Corn not injured.

Oats short. Pastures bare.  
 Jewell—No rain. Corn looks fair. Wheat harvesting. Oats very short.  
 Johnson—Hot and dry. Gardens, pasture, potatoes gone. Corn doing fairly well.  
 Kearny—Dry weather. Small grain short. Rain needed.  
 Leavenworth—Heavy drouth continues. Gardens gone and corn beginning to show effect of dry weather.  
 Lyon—Corn doing well. Thrashing begun. Quality fine.  
 McPherson—Conditions unchanged. Pastures dry. Oats almost total failure. No potatoes. Alfalfa drying up.  
 Marion—Wheat and oats harvested. Needing rain for corn. Second crop of alfalfa is fine.  
 Nemaha—Hot and dry. Wheat cut. Corn fairly good. Crops need rain.  
 Pawnee—Weather slightly cooler. Harvesting.  
 Phillips—Hot and dry. Wheat harvesting.  
 Rawlins—Hot and dry.  
 Riley—Cutting second crop alfalfa, very short. Corn looks all right. Wheat fair yield, oats less than a half crop.  
 Russell—Very dry. Wheat ready to cut. Potatoes poor.  
 Scott—Too hot for everything. Alfalfa harvested.  
 Sedgwick—Corn beginning to show effects of drouth. Alfalfa second cutting short. Oats in fair condition. No potatoes.  
 Seward—Wheat harvesting. Corn and broom corn in good shape.  
 Smith—Corn fair. Wheat and oats poor. Potatoes perishing.  
 Sumner—Dry and dusty. Corn growing. Oats cutting begun. Second crop of alfalfa cut.  
 Thomas—Good local rain on 16th. All crops needing rain.  
 Wallace—Good rain on 17th. Sowing cane and Kafir. Corn doing well.  
 Woodson—Good rain needed.  
 Wyandotte—Vegetation suffering for lack of rain. Corn looks better than other crops.

## Get a Free Lot in the New Town of Benton, Colorado

We are GIVING AWAY a limited number of lots in the NEW TOWN OF BENTON, COLO., for the purpose of advertising. We are just giving a few in each locality in order to get our NEW TOWN thoroughly advertised in every part of the United States. Benton, Colo., is on the main line of the A. T. & S. F. Railroad, nine miles from La Junta. This is in the great Arkansas Valley, as well as being in Otero County, the county which took the first prize at the Eighteenth National Irrigation Congress, as well as the first prize at the Chicago and Pittsburg Land Shows. Benton is surrounded by a number of irrigation districts, which is making a large settlement surrounding this town. A large tract of land near Benton is now under irrigation, and there are a number of other irrigation districts which expect to be in active operation in the near future. These things combined are bound to make our town of Benton a thriving little city. Reference, La Junta State Bank, La Junta, Colo., First National Bank, Ottawa, Kan.

Below is an application which you can cut from this paper and mail direct to the La Junta State Bank with a postoffice money order for \$2.50, to defray expense of issuing and acknowledging Warranty Deed. We reserve the right to withdraw this offer at any time without notice.

### Benton Townsite Co., La Junta, Colo.

APPLICATION FOR FREE LOTS IN BENTON, OTERO COUNTY, COLORADO

La Junta State Bank, La Junta, Colo.

Gentlemen: Enclosed please find P. O. money order for \$2.50, which you will please place to the credit of the Benton Townsite Company, when they have delivered to you a properly executed Warranty Deed to one of the free lots which they are giving away, in order to advertise the NEW TOWN of Benton. In accepting this free lot it is understood that the Benton Townsite Company have the privilege of placing my name and address upon this lot and further agreeing that they shall have the right to buy this lot back at any time in the next twelve months following date of this application for the sum of \$40 cash if they desire to do so; provided, it is still unimproved. I also send herewith the names of two parties who I think would be interested in one of the free lots in Benton, Colo.

Please make this deed to the following:

NAME \_\_\_\_\_ Names of two interested parties:  
 COUNTY \_\_\_\_\_  
 TOWN \_\_\_\_\_  
 STATE \_\_\_\_\_

A. F. McCray of Cowgill, Mo., advertises some Holstein bargains in this Week's issue of Kansas Farmer. An offer of 17 heifers and 12 cows is not to be overlooked in these times when this class of cattle is so scarce and hard to find in numbers. Note the advertisement and mention Kansas Farmer when you write.

W. H. Emens Changes Date.  
 We are requested to announce that W. H. Emens of Eimdale, Kan., has changed his sale date from October 16 to October 10. This promises to be one of the good sales of the season and parties wanting the large, smooth Poland Chinas should arrange to attend. Keep your eagle eye on Mr. Emens. He will have a surprise for the breeders in offering some wonders in large, growthy Polands.

C. F. Beard, Auctioneer.  
 With this issue we start the card of C. F. Beard, formerly of Butler, Mo., but now of Parsons, Kan., where he owns and lives on an 80-acre farm adjoining the town of Parsons. Colonel Beard is a man with a strong personality and enjoys a host of friends at Butler, Mo., where he lived for several years. He was called "Honest Charlie" and was elected several times to county offices. Colonel Beard is a good mixer and makes friends everywhere he goes. He is an able auctioneer. He has sold for some of our best breeders in Kansas and Missouri. He knows values and pedigrees. If you have not employed your auctioneer, please look the Colonel's ad up in Kansas Farmer and write him for a date.

Unity Chester White Herd.  
 Seven years ago J. N. George of Hopkins, Mo., purchased the foundation stock for a Chester White herd that is today one of the high class herds of the west. Since starting Mr. George has used great care in selecting breeding stock, always adding the best in breeding and then selecting only the very best and highest-class individuals. Iowa's Mikado by Winnie's O. K. 17063, dam Iowa Queen sired by O. K. Mikado, is an individual of rare merit, a big-boned, big-bodied hog with quality and finish. As a breeder he has proved himself to be one of the great Chester White sires. The sows of this herd are a feature that should interest Chester White breeders. Every sow is bred right and has been selected with special care. Mr. George is offering for sale at this time the finest lot of spring pigs of any breed that the writer has seen this year. Chester White breeders wanting first-class stock should investigate this herd. See his card in Kansas Farmer and write him for prices and description of stock. Mention Kansas Farmer when writing.

S. P. Chiles Poland Chinas.  
 With this issue we start a card for one of the old-time breeders, S. P. Chiles, formerly of Fairfield, Ia., but now living near Jefferson, Kan. The writer called on Mr. Chiles at his farm at Fairfield, Ia., several years ago and this week we had the pleasure of calling at the farm at Jefferson in Montgomery county, Kan., and found the usual number of smooth Poland Chinas with a goodly number of sow prospects. It will be remembered by many breeders that Mr. Chiles bred and showed S. P. Perfection, the Iowa champion in 1907, also the champion sows Perfect Louise and S. P. Louise. These two sows were the dams of the Iowa champion and junior champion last year. Mr. Chiles not only bred the world's fair champion Lady Lucille, but has bred and showed seven grand champions at Iowa and Illinois state fairs and this year he will show a herd that will be hard to beat. Anyone wanting a few sow prospects to fill out his herd should write to Mr. Chiles. At the head of this herd is the noted boar Sentinel by Second Impudence. A full brother to this hog is at the head of J. T. King's herd at Holland, Tex., and another one at the head of J. L. Doorak's herd at Marion, Kan. They have all proven good breeders of large, even litters and easy feeders of the quick-maturing type. If you need some new blood, don't fail to write Mr. S. P. Chiles at Jefferson, Kan., mentioning Kansas Farmer.

Facts About Percherons.  
 Secretary Wayne Dinsmore of the Percherons' Society of America announces that the booklet "Facts About Percherons" will

### HOLLY, COLORADO

I own 1,500 a. in various-sized tracts, all in cult.; good buildings and other improvements, with old established water rights. Will sell any tract on small payment down, bal. in 10 years at 6 per cent. Plenty of water all the time and best of land. All within 8 mi. of town. Come out and see this. You will not be disappointed. Best reasons for selling. You pay no commission when dealing with me.  
 J. S. McMURTY, Holly Colo.

### TRADES

I have several customers who have lands and town property to trade for merchandise. What have you got to offer?  
 G. W. KLOCKENTEGGER, Seibert, Colo.

be sent free to interested persons. He states that this great association has been growing at the rate of 112 new members per month since last November, most of whom are beginners in the Percheron business.

Splendid Hog Cholera Talks.  
 Nothing has pleased us more than the blunt, straightforward talk of P. C. Tomson Co., of 183 No. Wabash Ave., Chicago, in advertising their Red Seal Lye as a preventive against that ruinous disease—Hog Cholera.

This firm has tackled the proposition boldly and (in the light of so many farmers' bitter experience) we are convinced truthfully, because they come out warning the farmer that there is no cure for Hog Cholera, but that the only hope is prevention, attitude, pointing out a few isolated cases where Hog Cholera has been cured, it would not be a difficult matter for P. C. Tomson Co. to quote ninety-nine deaths for every single cure of this dreadful malady.

This firm puts Red Seal Lye forward as a sure preventive, and considering that a can costs only 10c, and that it is fed in small doses, it would be a splendid idea for hog raisers to keep a dozen cans of Red Seal Lye handy, mixing it with the swill as this firm directs.

Interested readers would do well to get in touch with this concern, whose address is given above.

### Thompson Bros.' Duroc.

Thompson Bros., the successful Duroc Jersey breeders of Garrison, Kan., write as follows: "Our pigs are coming along in fine shape. We have for the season's trade 40 spring pigs, 10 by Ohio Col., the grand champion boar last year, and 20 by Chiefs Orion by Ohio Chief and Blue Valley Chief by Valley Chief. We are highly pleased with the way these last mentioned boars are breeding. Blue Valley Chief was the top boar bred by Ralph Varney last year. Valley Chief, his sire, has been considered the best son of Ohio Chief. Mr. Varney paying \$1,000 for a fourth interest in him. The dam of Blue Valley Chief was second prize to Morrison's Bell Top, the sire of Lincoln Top. Bell's Model is by Red Chief I Am by Protection, making Blue Valley Chief a strong line bred Protection boar. He is a good individual and a producer of very uniform litters. We have three good here boars and would sell or trade this boar. We have 40 fall and yearling gilts bred for September farrow to Chiefs Orion and Blue Valley Chief. We are pricing these gilts ranging from \$25 to \$40." Write Thompson Bros. about this stock and mention Kansas Farmer.

### King Darkness at the Head.

With this issue we start the card of F. J. Miller at St. John, Kan. Mr. Miller is widely known among Poland China breeders in Kansas. At the head of this herd is the noted boar King Darkness. Mr. Miller is offering a few choice spring pigs sired by King Darkness, also a few choice fall and spring pigs sired by Peerless Perfection 2d and out of high-class sows. Don't fail to look up ad. and write your wants. Kindly mention Kansas Farmer.

## FIELD NOTES

### FIELD MEN.

Wayne Devine.....Topeka, Kan.  
 Jesse R. Johnson.....Clay Center, Kan.  
 W. J. Cody.....Topeka, Kan.

### PURE BRED STOCK SALES.

- Herefords.  
 Nov. 17-18—G. W. Newman, Emporia, Kan.
- Poland Chinas.  
 Sept. 26—Ben. M. Bell, Beattie, Kansas.  
 Sept. 28—J. D. Williford, Zeandale, Kan.  
 Sept. 26, B. M. Bell, Beattie, Kansas.  
 Oct. 7—J. E. Dillingham, Platte City, Mo.  
 Oct. 3—A. J. Swingle, Leonardville, Kan.  
 Oct. 5—L. R. McClarnon, Bradyville, Iowa.  
 Oct. 5—J. C. Salter, Jasper, Mo.  
 Oct. 10—W. H. Emens, Eimdale, Kans.  
 Oct. 11—S. A. Hobson & Son, King City, Mo.  
 Oct. 14—T. J. Dawe, Troy, Kan.  
 Oct. 16—A. R. Enos, Romona, Kan.  
 Oct. 16—Oak Hill Stock Farm, Eshon, Kan.  
 Oct. 17—S. N. Hodgson & Son, Parker, Kan.  
 Oct. 18—Geo. M. Hull, Garnett, Kan.  
 Oct. 19—W. E. Long, Meriden, Kan.  
 Oct. 19—J. J. Hartman, Elmo, Kan.  
 Oct. 19—J. E. Bundy, Goodrich, Kan.  
 Oct. 19—Dietrich & Spalding, Ottawa, Kan.  
 Oct. 20—Geo. W. Johnston, South Mound, Kan.  
 Oct. 20—Geo. W. Smith, Burchard, Neb.  
 Oct. 21—A. R. Ryestead, Mankato, Kan.  
 Oct. 23—Herrman Groninger & Sons, Bendena, Kan.  
 Oct. 24—W. F. Fulton, Waterville, Kan.  
 Oct. 24—A. P. Young, Lexington, Mo.  
 Oct. 25—T. J. Meisner, Sabetha, Kan.  
 Oct. 26—W. B. Van Horn, Overbrook, Kan.  
 Oct. 26—W. R. Webb, Bendena, Kan.  
 Oct. 27—Baker Bros., Butler, Mo.  
 Oct. 27—J. C. Halderman, Burchard, Neb.  
 Oct. 27—J. O. James, Bradyville, Iowa.  
 Oct. 30—J. H. Harter, Westmoreland, Kan.  
 Oct. 31—M. T. Williams, Valley Falls, Kan.  
 Nov. 1—H. B. Walter, Effingham, Kan.  
 Nov. 2—H. C. Graner, Lancaster, Kan.  
 Nov. 4—T. M. Willson, Lebanon, Kan.  
 Nov. 6—J. E. Bowser, Abilene, Kan.  
 Nov. 7—H. J. Griffiths, Clay Center, Kan.  
 Nov. 7—Verny Daniels, Gower, Mo.  
 Nov. 8—L. E. Klein, Zeandale, Kan.  
 Nov. 8—C. R. Palmer, Peabody, Kan.  
 Nov. 8—W. A. Prewett, Asherville, Kan.  
 Nov. 9—Young & Kimberling, Glasco, Kan.  
 Nov. 11—P. L. Ware & Son, Paola, Kan.  
 Nov. 13—Walter Hildwein, Fairview, Kan.  
 Nov. 14—F. W. Barber & Son, Franklin, Neb.  
 Nov. 15—A. P. Wright, Valley Center, Kan.

- Nov. 15—C. W. Jones, Solomon, Kan.  
 Nov. 16—Miller & Manderschied, St. John, Kan.  
 Nov. 17—J. F. Ware, Garfield, Kan.  
 Nov. 18—George W. Roberts, Larned, Kan.  
 Jan. 23—T. J. Meisner, Sabetha, Kan.  
 Jan. 24—A. L. Albright, Waterville, Kan.  
 Jan. 25—J. H. Hamilton & Son, Guide Rock, Neb.  
 Jan. 27—A. C. Lobaugh, Washington, Kan.  
 Feb. 8—T. J. Charles, Republic, Kan.  
 Feb. 8—H. C. Graner, Lancaster, Kan.  
 Feb. 8, 1912—George M. Hull and Col. C. E. Bean, Garnett, Kan.  
 Feb. 9—W. E. Willey, Steele City, Neb.  
 Feb. 12—Oak Hill Stock Farm, Eshon, Kan.  
 Feb. 16—J. H. Harter, Westmoreland, Kan.  
 Feb. 17—A. R. Ryestead, Mankato, Kan.  
 Feb. 20—R. M. Bunnell, Atchison, Kan.  
 Feb. 20—E. E. Logan, Beloit, Kan.  
 Feb. 21—W. A. Prewett, Asherville, Kan.  
 Feb. 22—C. W. Jones, Solomon, Kan.  
 Feb. 23—J. J. Hartman, Elmo, Kan.  
 Feb. 27, 1912—L. R. McClarnon, Bradyville, Iowa.  
 March 6—T. M. Willson, Lebanon, Kan.

### Duroc Jerseys.

- July 26—E. W. Davis & Co., Glenwood, Mo. Bred sows.  
 Oct. 9—E. W. Davis & Co., Glenwood, Mo.  
 Oct. 17—Pearl H. Pagett, Beloit, Kan.  
 Oct. 21—M. T. McBride, Parker, Kan.  
 Nov. 1—W. E. Monnesmith, Formosa, Kans.  
 Nov. 3—Grant Chapin, Green, Kan.  
 Nov. 2—Frank Elder, Green, Kan.  
 Jan. 30—Ward Bros., Republic, Kan.  
 Jan. 31—W. E. Monnesmith, Formosa, Kan.  
 Feb. 1—Geo. Phillippi, Lebanon, Kan. Sale at Eshon, Kan.  
 Feb. 7, 1912—Frank Elder, Green, Kan.  
 Feb. 2—Rinehart & Son, Smith Center, Kan.  
 Feb. 3—W. C. Whitney, Agra, Kan.  
 Feb. 12—J. O. Hunt, Marysville, Kan.  
 Feb. 14—Thompson Bros., Garrison, Kan.  
 Feb. 15—Grant Chapin, Green, Kan.  
 Feb. 27—W. T. Fitch, Minneapolis, Kan.  
 Feb. 28, E. P. Flanagan, Chapman, Kan.

### O. I. C. Swine.

- Oct. 25—R. W. Gage, Garnett, Kan.  
 Oct. 28—Arthur Mosse, Route 5, Leavenworth, Kan.  
 Nov. 4—George O. Clark, Wilcox, Neb., and O. W. & E. Holtquist, Sacramento, Neb. Sale at Holdredge, Neb.

### Berkshires.

- Aug. 17—Chas. E. Sutton, Lawrence, Kans.  
 Kinesaw, Neb., May 1, 1905.  
 CURRIE WIND-MILL CO., Topeka, Kan.  
 Gentlemen—Find enclosed draft for \$— to pay for Mill shipped me April 14. The Mill is all right. "The best steel Mill made."  
 Yours truly,  
 L. W. PARMEATER.



## Save Time-Save Trouble-Save Money MEND YOUR OWN HARNESS

### Mend Anything In Leather

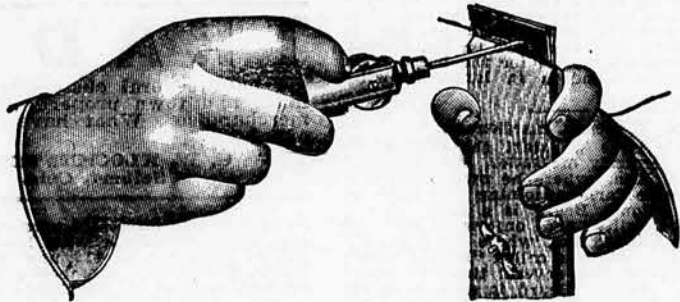


**Sews Leather  
Quick.**

### NOT A NOVELTY BUT A NECESSITY

**MYERS FAMOUS LOCK STITCH SEWING AWL** is designed particularly for farmers' use, but it will be found a time saver and money saver in nearly every household. It is not a novelty, but a practical hand machine for repairing Shoes, Harness, Belts, Carpets, Rugs, Tents, Awnings, Sails, Canvas of all kinds, Gloves, Mittens, Saddles. You can tie comforts or sew up wire cuts on horses or cattle. The Awl or Needle is grooved the full length to contain the thread or waxed end, and the point being diamond-shaped, will go through the toughest leather, green or dry, any thickness. The Myers Awl for All can be used with either straight or curved needle, both of which come with the outfit, and veterinarians will find it indispensable in sewing up wounds.

The Myers Awl for All is the original and only Lock Stitch Sewing Awl ever invented. It is a necessity for the people. Can be carried in pocket or tool chest. Nothing to lose—always ready to mend a rip or tear. Better than rivets because it is portable. Can be carried in mower or harvester tool box, thrashing kit, or anywhere. If you save one trip to town for mending you are money ahead. Every farmer needs one, every man who teams needs one. It is the most practical awl and sewing machine for actual use ever devised. You need it, and all who have anything to mend need it and will buy it.



Though it is not necessary a holder for the leather sometimes speeds the work. One can easily be made by sawing a barrel stave in two—a bolt and thumb screw inserted near the center, and the lower ends hinged to suitable pieces of wood.

Illustration shows the proper way to start sewing with the Myers Lock Stitch Sewing Awl. Note that the thread is shortened to go clear through. The forefinger must hold thread spool from turning, until needle has carried shortened thread entirely through leather.

### SPECIAL OFFERS

1. \$1.25 will renew your subscription to KANSAS FARMER one year and we will send the Awl prepaid.
2. \$1.50 will renew your subscription two years and secure the awl FREE.
3. We will send the Awl FREE to any one securing one new subscription to KANSAS FARMER at \$1.00.

Address,

**Subscription Dept., KANSAS FARMER**  
Topeka, Kansas

#### About Catch Crops.

The best catch crop I ever planted was millet. It was very dry until June 27, and then it rained. As soon as the ground was in condition I disked in the big or German millet. On the 3d, 4th and 16th of August it rained, and also on the 7th of September. The millet headed in good shape and I sold it for \$150.

On the following Fourth of July I sowed the small millet, corn, cow peas, pumpkins, pie melons, Irish potatoes and milo maize. The ground was very dry as it had not snowed or rained during the winter and spring. The peas came up nicely, but the hot, dry winds seemed to blast them. They never grow more than six inches and there were no peas. The corn made a fine stand but just as it was in roasting ears it was attacked by moths which laid their eggs on the corn. When the worms hatched out they ruined the corn and then turned

to the maize. I got only a ton of fodder and four tons of maize heads. My Irish potatoes came up fine as I had taken grass, bean vines and weeds and covered them and this held the moisture. The pie melons and pumpkins also did nicely. The pumpkins were not the old cow variety but were small and took little time to mature. The pie melons were not the old kind that we used to know in the east, but were mixed with some other variety which made fine preserves and pickles, and the horses, cows and hogs ate them with a relish. I had twelve loads of melons and pumpkins.

But the millet saved the feed question as the insects did not bother it nor did the hot weather seem to hurt it. I cut and ricked the small millet for home use. I have but one objection to millet and that is that it does not seem to effect the kidneys.—A. B. Capps, Dodson, N. M.

Care and diligence bring luck.

## RURAL HOME LIFE

### Better Conditions In The House Insure Better Results On The Farm

By MRS. JOHN T. BURNS

I want to give you a message from your sisters of the open country in the western states and to tell you of their needs, and to sound a note of encouragement and emancipation that will reverberate from sea to sea. Not emancipation from duty—far from it—for the woman of the proper sort never wish for that, but emancipation from the drudgery of life, the drudgery that makes machines of us, that grinds out every atom of those finer things of life, our ideals, our pride, our ambitions, ever our little personal vanities, until our brains refuse to act in any new channels and we become human mechanisms that for through endless routine of duties—cooking, sewing, churning, or whatever they may be—with nothing to vary the monotony, nothing to quicken the pulses or inspire our hearts to endeavor of any kind outside the kitchen.

With those women who are the happy possessors of lovely homes with all the accessories necessary for the development of the highest order of life, we are not concerned, but there are yet scores of women on the plains in some of the prairie lands of the west whose sole connection with the outside world may be a train that wends its way past her door many miles away at exactly a quarter past eleven each day. It is of these women whose colorless lives have burned in to my heart during my wanderings that I want to talk to you today, and to enlist your sympathy and assistance in giving them a helping hand and a bit of cheer. Right in our own state, of Colorado, out in the dry farming districts are women who came to this country all unprepared for the hardships that awaited them, who are unfitted for the pioneer life that their grandmothers endured, who are starving, perhaps not for bread, but for the contact of the world, for the association of their sex and for the stimulus while would enable them to keep out of the rut and work for a definite goal.

When we were taking our trip through the eastern part of the state some weeks ago, women would drive thirty and forty miles before our car arrived early in the morning at their station to hear the lectures, for it had been advertised that there would be women to talk to them. Some of them came with tiny babies in their arms and all so eager to hear what we had to tell them. I had many pathetic instances when dear women would come to me afterward, and, putting their arms around me, thank me for coming and tell them how much it meant to them to be able to touch hands with us and gain some new thoughts and inspirations. Mothers would ask me with tears in their eyes why it was that they could not keep their children on the farms. Poor little mothers with starved little babes would ask the most pathetic questions about the care of the little ones way out there away from the family doctor. Young girls with childhood gone from their faces would crowd around just to see us, until I longed to take them all in my arms and whisk them back home with me to mother them until they learned how to go back and mother their own.

I am convinced that the reason why the women of the town have made more advancement than their sisters in the country is because they have had better social advantages and have taken a hand in the matter and banded together for mutual betterment. It has been a matter of environment, and not natural ability. How often, as I have been present at meetings of granges or other gatherings of farmers, where the secretary of the congress was invited to speak, and noticed timid women, slip modestly into back seats and drink in with much eagerness the new theories about plowing and silo and all these important matters regarding farm improvements, have I thought that little did we realize the latent powers that lay within the breasts of those women; powers only needing the awakening touch to bring into existence thoughts and plans that would revolutionize the conditions in rural communities, begin-

ning with the women themselves. It is to give these women an opportunity that our call has been sent out for the first gathering of the farm women October 17-18-19 and we wish to inaugurate such a campaign of publicity that we will arouse in the hearts of our thinking people throughout the necessary elements in success and to United States the necessity of giving this phase or our national development attention that we better safeguard the health and happiness of our farm women.

After all happiness is the keyword. Happiness and contentment are the necessary elements in success and to secure these adjuncts on the farm as well as in town there must be co-operation of forces. When the strength and wisdom of the masculine is added to the love of gentleness, and may I add, ingenuity of the feminine, results will follow that will surprise the farmers themselves.

The day of the pioneer should be ancient history. Women should not be obliged to go through the privations of their grandmothers. The farmer's wife should be able to retain some of those graces which attracted the husband at first, those little habits of daintiness about the person and in the home, which the daughters will be eager to copy. There the must be the closest pathy between the partners if the greatest amount of success is to be obtained. People should not go on a farm merely to make money, although the almighty dollar seems to be such a shining spot in the horizon of many a farmer that he fails to see the beautiful things along the way.

How many a patient woman, too long a silent, faithful drudge, not shirking at hard work, enduring sorrow, privation, and above all loneliness, and emptiness of life, has paid the penalty of the insane asylum. Statistics give us some astonishing figures on this, especially among women of the western states.

What if success comes at the end of such a life, what is success to her? Her life has gone and with it her youth, her capacity for enjoyment and everything that makes life worth the living.

Why should the earning capacity of wife and children be rated at so low a figure? How many farmers would be willing to pay for the labor performed by the average family? They have assumed in his mind merely the character of very useful adjuncts to the farm work. Many an otherwise kind father would gasp at the idea of a stated salary being paid to one of the boys similar to that paid the hired man, and if the wife wishes a spring bonnet the eggs or butter must be brought into play. What if real co-operation existed on the farm, real accounts were kept, and when finances permitted the purchase of a new implement for the farm work add a washing machine or similar labor saving device for the house. If the men only realized with what willing steps and hands the necessary duties would be performed by the lesser half if she were made to feel that she was a partner in the true sense of the word and her counsel asked and sometimes taken in matters pertaining to the management of the farm, they would take advantage more often than they do of the sometimes superior insight of the woman, also there would grow into his plans an asset, the value of which he had never dreamed, for some women are far better managers than men, and it takes a wise man indeed to recognize the fact in his own home.

We may talk about dry farming and the advanced theories of agriculture forever, but until there has been aroused in the hearts of the women the necessity for a different status, for ideals which will revolutionize their own lives, little betterment can be hoped for in the home. This fact was realized by Mr. Roosevelt when he appointed that memorable commission on Country Life some years ago, and the work of that commission is notable in that it discovered among people in the rural districts, that if remedial results be accomplished a start must first be made with the home.