# ANSAS FARMER

FOR THE IMPROVEMENT

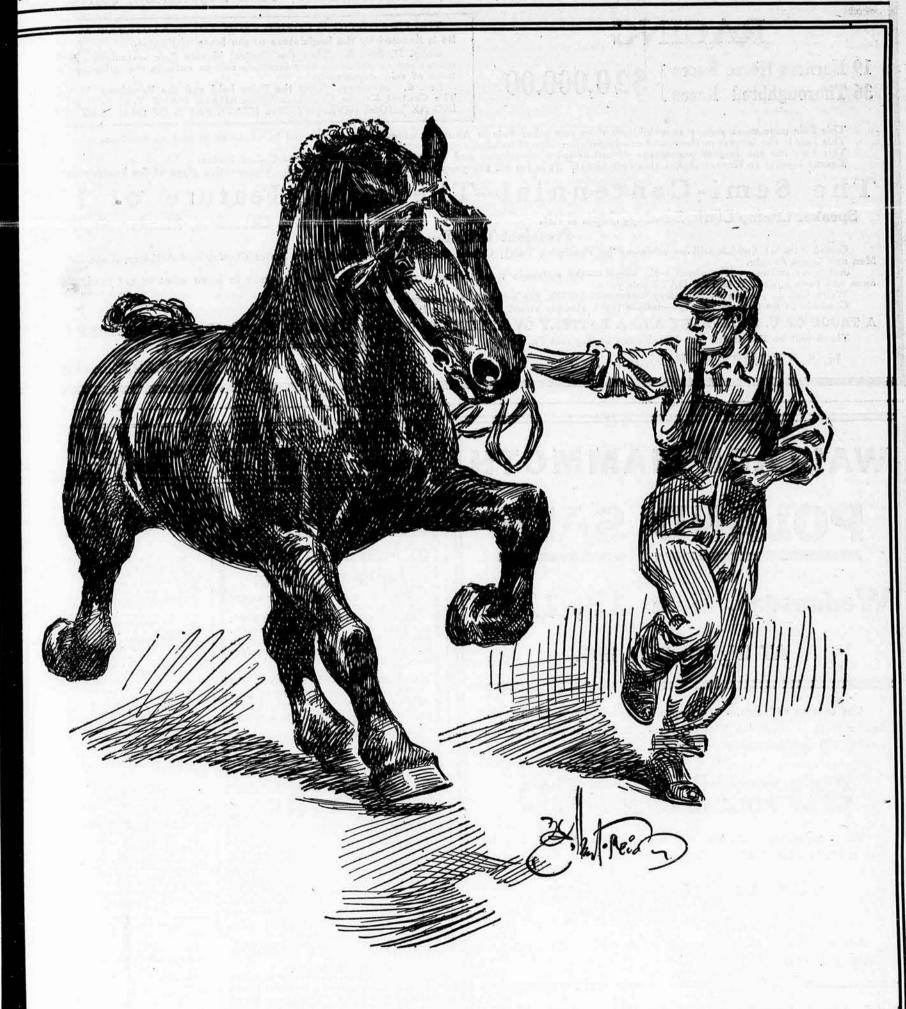
OF THE

MAND HOME

ume 49, Number 35.

TOPEKA, KANSAS, SEPTEMBER 2,

1911. Established 1863. \$1 a Year



Ready For The State Fair

# KANSAS STATE FAIR HUTCHINSON

SEPT. 18, 19, 20, 21, 22, 23, 24, 25, 26 and 27, 1911

\$40,000.00 IN PREMIUMS AND PURSES Exhibits must be in place SATURDAY EVENING, September 16th.

\$20,000.00 FOR RACING \$1,000.00 in PREMIUMS for County Exhibits.

No other Fair in Kansas ever offered as much money to Exhibitors.

Cattle, \$6,657.00; Horses, \$7,330.00; Swine \$1,745.00; Sheep, \$1,123.00; Other Departments, \$3,775.00.

# RACING

19 Harness Horse Races 36 Thoroughbred Races \$20,000.00

THE FOLLOWING IS COPIED FROM THE STATUTES OF KANSAS: Be it Enacted by the Legislature of the State of Kansas.

Chap. II, Sec. 5. That the Central Kansas Fair Association is hereby authorized to police its Fair Grounds and to enforce the rules and regulations of said Association.

Sec. 6. Standing. That the Fairs held and the Premiums Awarded by The Central Kansas Fair Association SHALL HAVE THE SAME STAND. ING AS THOSE GIVEN BY THE STATE FAIRS OF OTHER STATES.

This Fair pays more money to exhibitors than any other Fair in America, except those supported in whole or in part by taxation. This Fair is the largest in the world conducted in a city of its size.

This Fair has the largest percentage of out-of-town attendance and of farmers of any Fair in the United States.

Kansas loyalty to Kansas makes this Fair Great. It is for all the people and the people all attend. The meeting place of the breeder and buyer.

#### Semi-Centennial-The Great Feature 1911

Speaker Champ Clark, Sunday, Sept. 24th.

Various Governors, Monday, Sept. 25th.

President Taft, Tuesday, Sept. 26th.

Grand Parades (which will be reviewed by President Taft), Cornet Bands, Drum Corps, United States Cavalry and Artillery, State Militia, Great Men and Great People.

Ask your railway agent about train service—the railroads want to know what you want and you want to know what to get ready for. Come once and then again. It is TEN DAYS this year.

Write Col. L. A. Beebe, Secretary Commercial Club, for over-night accommodations.

Grounds in north part of city—double track electric street railway, city light and water.

A TROOP OF U. S. CAVALRY AND A BATTERY OF ARTILLERY WILL BE HERE BY ORDER OF THE SECRETARY OF WAR. There will be 363 trains into Hutchinson during this Fair. For catalog or information address

H. S. THOMPSON, President.

A. L. SPONSLER, Secretary,

# WALLACE MAMMOTH **POLAND SALE**

Wednesday, Sept. 13, 1911

AT BUNCETON, MO.

The offering will consist of 30 splendid, brood sows, bred to Grand Leader 54911 or Expansion Wonder; 10 big, fancy open gilts by Grand Leader; 20 superb fall and spring boars.

ng, quick-maturing, mortgage-lifting bred to the best boars in Missouri.

> THE BIG KIND THAT QUALITY. HAVE BIG

Sale at Farm at 12 o'clock sharp. Lunch for all. Come and see, whether you buy or not.

W.B.Wallace, Bunceton, Mo.

HARRIMAN, SPARKS, BEAN, AUCTIONEERS.

# GENUINE KHARKOF SEED \$1.15 PER BUSHEL, SACKED, F. O. B.

GEO. T. FIELDING & SONS,

WRITE FOR THE

# **FALL STYLE BOOK** of Men's and Misses' Suits and Coats

that we are sending free to every

The garments shown in this book are guaranteed to be pure wool, and will be made good if they do not give two full seasons' satisfactory wear.

We Pay Express or Postage on all Orders in Kansas.

# Mail Order Service

The Mills Dry Goods Co. TOPEKA, KANSAS

By special arrangement, The Ratekin's Seed House of Shenandoah, Iowa, agree to mail FREE a copy of their Winter Seed Wheat Catalog and a sample package of their New Imported Malakoff Wheat (a new Russian variety) to any and all who mention this paper. Write them direct today. The address is Ratekin's Seed House, Shenandoah, Iowa, and you will receive the catalog and sample by return mail.

#### Seed Wheat

SEED WHEAT. Zimmerman, Fully, Blue Stem varieties, Selected and graded seed. Write for prices. The Deming Ranch, Oswego, Kans

TOO LATE TO CLASSIFY

FALL YEARLING BOARS By Reserve Grand Champion Special Build-er, at reasonable prices. Write C. S. MOYER, Nortonville, Kan.

MANHATTAN, KANSA

This Great Rifle

sover 30 inches in length. The barrel is bronze, 16 inches long and finely rified. It has a built up steel jacket, giving it great strength and durability. The rear sight is open and adjustable and the front is a knife sight. The stock is made of fine walnut with pistol grip as shown. The gun has the hammer action and the shell is automatically thrown out when the barrel is "broken down" for reloading. The gun shoots 22 caliber long or short cartridges.

cartriages.
This is one of the finest rifles made.
I want you to have one. All I ask is a little easy work. Write today and I will tell you about the gran and how to get it.

HIGH-CLASS Jan., Feb., March sired by Hig! Col. Crimson Perfections or Perfection Wonder, first prize Des Moines and Lincoln fairs in 1900 go back to Ohio Chief and Nebraska prices right. Roy Shutwell, Shenar Iowa, R. F. D. No. 1.

A. M. Piper, 134 Popular Bldg., Des Molues, Ions.

100 DUROC JERSEY PIGS PRIVATE related at prices to move them. O. A. TILLER, Pawnee City, Neb.

WALNUT GROVE FARM POLA CHINAS.—For quick sale, choice of 21 boars, litter brothers sire: by Grand I and out of Expansion data. JAS. ARKELL, Junction City, Kan

T. E. GORDAN, Waterville, Kan-Real Estate Auctioneer. Will cry sale any state; terms reasonable; write for p

GLEN HALL SHORT HORN IEB
Hended by Choice Prince, by Prince of I
Lawn and out of Good Lassie by Ch
Goods. 5 choice red bulls in age from I
I4 months, Herd header, Prospects,
JOHN O'KANE, Blue Rapids, Kan.

Longview Poland Chin

Herd boar young Mastiff. The first grand champion at Topeka. Kansas Fair, 1910. A few choice spring boars gilts for sale, all large type, onable and guaranteed. D. M. GRE Harrisonville, Mo.

# KANSAS FARMER EDITORIAL

E BREEDERS' SCHOOL.

owledge is necessary to suc-eding pure-bred live stock will admitted, and that the demand live stock is sure to increase live stock is sure to increase an diminish is also true. Old of large experience gained by ork at the business are going e business each year, and their ust be taken by younger men.
to succeed these younger men
re expert knowledge and the

securing it is important.

I securing it is i ing such knowledge, but not ung man who would breed pure have access to its priviliges. d farm journals are immensely to him, whether he be a college or not. Experience has a value t be equalled, and observation sellts obtained by others is al-celess. All of these are neces-the highest success, but all of mot be obtained at the same

side of the college halls.
ost satisfactory training availthe breeder, of whatever age or
educational advantages, is to be
a well conducted state fair. collected together in numbers cest types of the animals he to study. These animals are to classes according to age and a few days, as could not be weeks of travel. From them he what has been accomplished breeders in their efforts to atideal. Each breeder has in mind al toward which he strives, and own individuality will make his of selection, of care and of as well as his ideas as to type ore or less, from all other breedresults as shown in his animals the one opportunity which the reeder needs of deciding whether thods of breeding and care as ted in these animals are the ones hich he would pattern.

the work of the judges serves to his own opinion, or to show him takes, and through his observa-the judges' work he has the best, spest, the most effective and the tisfactory schooling that he can

te fair is the show window of e. It is the whole state on ex-It is a miniature of the land we live and love and work, and, is lessons to the young breeder duable in his chosen vocation, he many other lessons as well.

preder must, almost of necessity, a farmer, and the exhibits the departments of agriculture, ture, poultry, home economy and would fully repay the small ex-re in time and money and leave soling in stock breeding as clear

the college gives verbal instruc-th demonstrations and object lescannot give such opportunities afforded by the state fair, because afforded by the state fair, because of afford to keep so many show of so many different breeds as at the fair. Kansas needs more breeders, and they need all the ation and training they can get. At fair will encourage and help wate and the young men of Kanlbe especially favored this year.

A STATE ALFALFA CLUB.

more than four years the Shawnee Club of Topeka, Kan., has claimed oud distinction of being "the only club on earth." This claim can ger be made, as Illinois is now the fa state alfalfa growers' associwhich was lately organized at ster with a membarship of about ester, with a membership of about

y county except two in the state growing alfalfa, but, of course, leage is small as yet. This orarage is small as yet.

It is a power for a the development of this wonder-

Neb. POL.

Kan. y sale for P HER e of T y Ch rom l

hin

Kansas, with a million acres in does not claim to know all it, and the organization of a state tion here would doubtless be of

of the best of reasons why the saves the farm is because it is a farm. If it were a live stock or a or a dairy farm, he would not to leave, though he would find work to do than on a grain Work becomes play when it pays.

With which is combined FARMER'S ADVOCATE, established 1877. Published weekly at 625 Jackson St., Topeka, Kan., by the Kansas Farmer Company.
Albert T. Reid, President. J. R. Mulvane, Treasurer. S. H. Pitcher, Secretary.
Edited by T. A. Borman and I. D. Graham.

CHICAGO OFFICE—First National Bank Bldg., Geo. W. Herbert, Manager. NEW YORK OFFICE—41 Park Row, Wallace C. Richardson, Inc., Manager. Entered at the Topeka, Kansas, postoffice as second class matter.

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 questionably 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 lor 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 and the contraction of the contraction of

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.

OVER THE FENCE.

The mule is said to always find greener pastures on the other side of the barbed wire, and in this respect he is

like many men.

How often it is that men will be induced to sell their farms and household goods and move to same other state where they have been tempted by the glowing advertisements of the real estate man or the scarcely less glowing de-scriptions of the government irrigation projects, only to wish themselves back on the other side of the wire.

No man with a family should undertake to make a home in these new regions with less than \$2,500 in money and his team and household goods. Even then he will have a hard time, as he will have the heild his home his conjety his have to build his home, his society, his

church and his school.

With the same equipment he can come to Kansas, where all these things already exist, where society has long been established and the comforts of life are many. His money will make the first pay-ment on a good farm and his own ability will do the rest. Land costs about the same wherever bought. In Kansas it may cost \$100 per acre, but this will prove cheaper than land in some localities at one-tenth the amount. It is similar to be sufficient to the same ready. ply a question of buying a home ready made, with all that the word signifies, or of buying the raw material and building your own home. The cost is the same.

N 18 18

This has been a trying season and, un-This has been a trying season and, until lately, the prospects were more or less gloomy for the farmers. With the coming of the later rains, however, the mental attitude of most of us has changed and we are now looking over a state where every prospect pleases. There will, perhaps, be no records of bumper crops, but there will be peace, health and plenty, and, besides, it takes a wonderful state to raise a bumper crop, as Kansas has been doing about crop, as Kansas has been doing about every year. Everybody remembers 1901, when they should remember 1902. So it is likely that everyone will remember 1911, which scared us some, but didn't hurt so badly, and will fail to give credit for all the good that 1912 may bring

If you do not read the advertisments which appear each week in the Kansas Farmer, you are missing something of much value to yourself and one of the strong features of this paper. Weekly there come to this office inquiries in regard to farm implements or other things that have been advertised in the Kansas Farmer, and which the readers have seen but did not fix in their minds.

Kansas Farmer advertisements are all scrutinized by our advertising experts before they are accepted, and nothing that is not perfectly reliable is ever allowed to appear in our columns, knowingly. In this respect the Kansas Farmer advertising service is superior to most

and exceeded by no other paper.

There are 15,735,934 barnyard fowls in Kansas and room for as many more. Farmers are learning that the helpful paper. hen is worth while and a mighty valuable "beastie" to have on the farm.

SAVE THE BIRDS.

As the hunting season approaches the desire to go out and shoot something becomes strong in the minds of the town boy, and he proceeds to gratify it. As game is not always plentiful in Kansas, thanks to our destructive policy in early days, he shoots at anything wild and

days, he shoots at anything wild and some things that are not so wild.

Next to a tom cat the boy with a gun is probably the most destructive agent in decimating our wild birds. Nor is this entirely the fault of the boy. It is boy nature to want to kill something. That much of his savage ancestors remains in him yet. It is also his nature to want a gun, and both of these wants are not only natural, but right, if under control. If he shoot indiscriminately at all flying things, it is the fault of the at all flying things, it is the fault of the

This, however, is the condition which confronts the farmer, and which compels him either to post his land or to suffer the destruction of the birds which are his best friends.

Excepting the English sparrow, practi-cally all birds in Kansas are of direct value to the farmer, and each one pays a good rent for his keep. They are here as a wise provision of nature to destroy the weed seeds and insects which are so greatly increased by the cultivation of the land. As things now are there seems to be but one way for the farmer to protect himself, and that is to post the land and enforce the laws.

36 36 36 A farmer just in from a central Kansas county states that the farmers in his section have practically abandoned live stock and are engaged in grain farming almost exclusively. He furthermore states that the wheat was only fairly great the have proor and the corn will good, the hay poor and the corn will make only about a half crop, and that these things are due in large part to the abandonment of live stock. He pleads guilty with his principles. guilty with his neighbors and admits that he knows better, but says that the prices for grain and hay have been too tempting during the last few years. He now plans to move eastward into a blue grass country to try to correct a mis-take which he knows better than to make. Wonder where he will go?

JE JE JE The big meadows are being cut closer than common this year as a natural result of the effects of the season. This is well and good and what is to be exnected. but the uniortunate cir stance lies in the fact that a very large percentage of this hay is being baled and shipped to market instead of being fed on the home farm. The selling of hay or other crops is a robbing of the soil which no returns. It is the selling of the farm itself. If fed to live stock the immediate returns would be just as good or better, and the soil would be enriched. N 3 3

The census returns show that Kansas has 165,000 more horses than she pos-sessed in 1900, and 90,000 more mules, but say nothing about automobiles.

Bulky feed is of the greatest advantage to poultry, as it serves to promote digestion and health.

PATRONIZE COUNTY FAIRS.

What the state fair is to the state the county fair is, or should be, to the local community.

The man who lives apart from his fellows is sure to deteriorate and if his isolation is complete, he becomes a savage. On the other hand, the man who mingles with his fellows, who appreciates their efforts and who profits by what they have done, will develop the best there is in him, will increase his knowledge and will more nearly approach the ideal of civilization.

For the local community the county fair affords the best opportunity for these things and teaches by object lessons as no other institution can. Before him the visitor sees his own county on display. The best of the live stock, farm, garden and orchard products, implements and machinery are arranged for his in-spection and information. Here he can compare the results and methods of his fellow citizens with his own to his

Through his own exhibits he gives pleasure and knowledge to his fellows, and yet he loses nothing. With them he gains information and inspiration for

his own self betterment.

County fairs, thanks to the general uplift-sentiment which prevails, are not as they once were. Instead of being places of amusement and incentives to vice, they have become educational in-stitutions of powerful influence for the upbuilding of both city and country life.

These county fairs are improving each year, but they still lack in one very important particular. They do not receive the co-operation of the community to which they are entitled and which they must have from both exhibitors and visitors if they are to succeed. The remedy for this lies in the hands of every citizen, and it always pays to apply it.

JE JE JE The statistical experts of the govern-ment at Washington have sent out some figures gleaned from the census reports which are interesting, but may be misleading. For instance, when compared with 1900, the number of cattle in Kansas in 1910 shows a great decrease, of nearly a million and a half. Apparently these are mostly classed as beef cattle, as the number of milk cattle increased nearly number of milk cattle increased nearly

To those who live here and know the facts, these figures mean that the big ranches and ranges, where cheap cattle were then produced, have been broken up into farms. They mean that instead of the longhorn of a decade ago, there are now the heavy-meated, quick-maturing and highly profitable representatives of the beef breeds distributed in smaller groups, on farms, and they further mean that the state is growing as a dairy

38 38 38 The time of year for the big fairs and stock shows is at hand and the farmer cannot select a better time for a little vacation. Nor could he select a more profitable vacation than is to be found in attending one or more of these great shows. They are intensely interesting, the expense of attending is not great and the value received from the object lessons to be found in each is hard to estimate. Take the whole family to the county fair to see what your neighbors are doing for the betterment of their state and their own advancement. Then take them to the state fair, where the counties meet in competition and learn which is best in methods and in products. Every farmer needs a vacation, and a more enjoyable or profitable one can hardly be found than that offered by the state fair.

\* \* \* At least two granges in Shawnee county, Kansas, are holding annual fairs These fairs are intended to be purely educational, and have no horse racing or other amusement features such as are usually found in county and state fairs, and yet they lack nothing in interest.

They are not money-making propositions, but seek to attract people by the real merit of the agricultural, live stock, horticultural and household displayed. plays. This they do and both of these fairs have been in successful operation for a number of years and they are growing. Games and athletic contests are provided as amusement features, and the results obtained by this sort of management have been entirely wholesome and valuable. There should be more

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# HEREFORDS MAKE BEST BEN

I am always glad to say a few good words for the Herefords, because they always indorse anything good said in their behalf.

In the following remarks I intend no disparaging statements to the other beef breeds—they are all good—and I think it would not take a deep student of animail industry to pick out some trait in each breed that would perhaps excel either the beef breeds in that one er of the other beef breeds in that one particular. There is one common ground on which we can all meet, and that is for the betterment of our beef animals generally, both on the farm and the range, and can all join hands in the constant fight against the scrub.

In the above mentioned fight the Hereford scores a hig point over all other

Hereford scores a big point over all other breeds; none will compare with him to grade up a bunch of inferior cattle; none will stamp their get so uniformly and generally; none will cross on all colors and shapes with such good results, and aires from no other breed will get as large a percentage of calves, under range conditions, adverse or otherwise, as the Hereford.

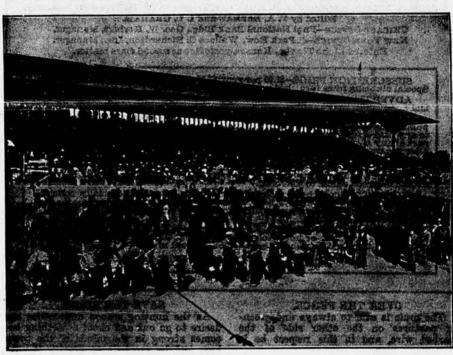
The Hereford is a natural born grazer and rustler, and has the habit of adapt-ing himself to conditions as he finds them; he makes himself at home in the west, the southwest or northwest, where grasses are often short and scattered, grasses are often short and scattered, water not too plenty and the extremes of climate often, to say the least, not the most comfortable. Nevertheless, he adapts himself naturally to what he finds, turns out, makes the best of it and gets down to business; while the Shorthorn, if conditions are not just ideal, draws uninviting comparisons with the rich blue grass pastures he has left in the middle west, turns down some little ravine all by himself and indulleft in the middle west, turns down some little ravine all by himself and indulges in a fit of homesickness. The Blacks, while good feeders and excellent carcasses, much sought after by the packers and very hard to rub up against in the single steer classes at the shows, on account of so very many of their best bulls being altered for this purpose, have met with such a limited circulation on the ranges of the west as to be hardly considered in comparison with the Hereford and the Shorthorn in this territory from a commercial standpoint.

ritory from a commercial standpoint. In 1883 when I first went into the cat-In 1883 when I first went into the cat-tle business, we went back to Polk and Story counties, Iowa, and bought seven carloads of high-grade Shorthorn cows and heifers. This was the foundation of our herd of cattle, which are now being run by the firm of which I was formerly a member. I might state that this herd has been crossed with Hereford bulls for a number of years. As long as the range was not overcrowded, and more old grass was left every spring on the ground than ever grows now during the whole year, the Shorthorns did first rate; our 3-yearold steers weighed about 1,100 pounds. We sold our steers four years running for Christmas beef right off the grass—without hay or grain—but these halcyon days were short lived; it was too good to last. The grass soon became depeleted from overstocking, and in spite of fenced pastures for winter use, putting up hay, buying thoroughbred Shorthorn bulls every three years, our calf crop dimin-ished in numbers, also the size of the calves; the size of the 3-year-old steers dropped to about 1,000 pounds and we had to sell them as feeders instead of beef, and our cows dropped in size to about 900 pounds. The size of the bone became deficient and their constitutions seemed to become impaired. Some peo-ple said they were bred too fine—what-ever that means. The fact of the matter was they were not adapted to the counafter the cream had been taken

Something had to be done; the Here-ford came to the range. Of course he could not-rejuvenate the depleted grasses, but he could and did give a much better account of himself and his progeny on the overstocked range than did his brother, the Shorthorn. Like hundreds of other cattlemen in the west-and I might add in all grazing section (including the Sandwitch Islands and the large we thought the Shorthorn was the standard, and were loath to try the change, but once made it was never regretted. grazing areas of the Argentine Republic)

The prominence and recognition the Hereford enjoys today is not due to boosting nor to the bolstering up by a rich breed association, but has been won inch by inch strictly on his merits as a grazer, breder, feeder, butcher carcass Natural Grazers and Rustlers, They Respond To Feed And Care

By JOHN E. PAINTER



GRAND PARADE OF LIVE STOCK AT KANSAS STATE FAIR, TOPEKA

and money-maker generally. Further, I think I could state without fear of con-tradiction that the Hereford breed of eattle are the nearest to being immune from disease, especially tuberculosis, of any recognized breed of cattle on the American continent today.

An argument that has been used in fa-

vor of the Shorthorn over the Here-ford on the farm is that the former is a dual purpose cow, and the Hereford does not give enough milk. In consid-ering this argument I would state this is not a dual purpose age, in order to succeed at all—most anything or in any line of business—nowadays we have got to specialize.

The dual purpose cow that gives about three gallons of milk a day, and produces a long-legged, slab-sided steer that takes three years to mature to make just passable beef, is not the animal suitable to run on the high-priced farm of the twentieth century. If a person wants to dairy, he should get the kind of cattle that convert the feed they eat into the highest possible percentage of milk and butterfat, instead of flesh, in order to be run profitably. On the other hand, if he wants to produce beef, he wants The dual purpose cow that gives about

something that will mature early, put on the best quality of flesh with the least feed and in the shortest possible time. A middle course is a compromise, and, like all compromises, is unsatisfactory from both standpoints.

The Hereford as a beef animal is ready to put in the feed lot at any age, and will have been fitted and gone to the butcher before the calf from the dual purpose cow has grown sufficiently to put in the feed lot.

The Hereford gives enough milk and of rich enough quality to raise its off-spring in fine shape; and this is all that can be claimed for the Scotch Shorthorns, which are the beef models of that breed today. As a matter of fact, at the Nebraska State Fair at Lincoln in 1910, one of the leading Scotch Shorthorn herds exhibiting there had four Hereford nurse cows to suckle their show calves on.

Another argument that has been used against the Hereford was that he was peaky behind. His forequarter meat, that was of a cheaper grade, outweighed his hind quarters, where the more expensive cuts are located. I think the American Hereford breeders of the last

25 years are entitled to more the betterment of their bred geenally accorded them. I the have made more advance in a defects and producing better blue imals, with thicker meating a improving the types of ham attremity and horn at the other forming the animal generally, the other breeds put together. longer necessary to go back to where the bred originated, to impute to improve what we already this country. According to me authorities on both sides of the improved American Hereford superiors and few peers in a contract of the world. superiors and few peers in a of the world.

The writer was looking over the

exhibit at the Denver show with breeds; I drew the Shorthorn metention to some very heavy hind some Herefords present and all if they could be called peaky, swer was, "Oh, you Hercford have stolen the Shorthorn's hin ters." I do not know from hi ters." I do not know from he whether he thought the Shorth

whether he thought the Shorid ficient in this particular nowad The present day demand is for balanced, thick, short-legged with good spring of rib and this ing, early maturing qualities, also bone to balance these attributes. of no animal that will compare thereford in these respects.

#### Auto Road to 'Frisco.

An agreement has been perfectiveen the new Santa Fe Trail tion, with headquarters in Huk and the Trans-continental Road ciation, with headquarters in La Colo., by which a direct highway tomobile tourist traffic will som tablished from Kansas through 0
to Salt Lake City, and connects
with a highway to San Francisca
The recent establishment of the

ville highway across the state souri, gives an eastern extension new Santa Fe trail, which will the Arkansas valley route acrossas the main automobile touris from St. Louis and Kansas City Pacific coast.

The route is free to all motorist being no attempt to charge toll advantage of the tourists. Ka interested in that it will prompassage of motor tourists acro continent via this route instead northern route through Omaha a ver or the southern route

Ocean to Ocean by Auto.

Every automobile owner has a for touring—a deep scated of that he must take a long trip tended trip has its hardships, to tended trip has its hardships, to but the pleasures are many and it often cannot be realized. The bile of today is a dependable for long trips. This has been we onstrated by the "ocean to ocean to ocean to completed by 12 cars of the stages from Atlantic City to geles without a mishap. This is ord that will go down in authistory. The tour began June ended August 3. Harry Davis, we resented the United States writes Kansas Farmer as follow the trip: the trip:

"Outside of a few delayed mea bad stretches of road through W and Utah and several nights s barns, the backs of cars and open, there wasn't an incident of with the entire trip that could be unpleasent. There were times, of unpleasant. There were times, of when traveling became rather is but one night's rest was alway cient to blot out the monotony previous day.

"The hardest going we had erossing the desert between on Reno, a distance of about The roads we encountered on the ren stretch were very bad, and did not find as much heavy sand would expect. The chief trouble these desert highways is their rough The chief ness, and because of this rough is practically impossible to make thing like good time. But, by it easy and not pushing the cars or harder than the roads warrang of through safely and with vermeehanical or tire trouble."

# ALFALFA SEEDING

By Eugene D. Funk.

Get the best seed obtainable. Beware of the cheaper grades, usu-

ally these are low grades of imported seeds and are polluted with weed seeds and adulterated.

Care should be given to the preparing of the seed bed; the soil being thoroughly pulverized. The seed should not be sown more than one to one and one-half inches deep. A press wheat drill is the most practical machine for putting in alfalfa. Mix dry sawdust or bran with seed to keep drill from sowing too much seed. A perfect stand is best secured by drilling one-half amount of seed and then cross drill. The seed may also be sown broadcast and harrowed in the same as The seed may also be sown broadcast and harrowed in the same as

Alfalfa can be sown either in the fall or spring. By fall sowing we usually gain one year's crop. August and September are the best months with ordinary season, and we recommend any time after the ground can be proprely prepared following wheat or oat harvest.

Sow 20 pounds best, new, recleaned seed per acre. Sow only a few acres at first, then more as you lear Why not utilize some of the almost waste spots in getting a start of this greatest forage crop and nitrogenous feed? However, alfalfa

will not do well on low, marshy or undrained soil. A light top dressing of manure will greatly assist in stimulating the young alfalfa plants.

It has also been found that the application of finely ground lime-

stone will sweeten the soil and double the yield.

The roots of the alfalfa plant require the little nodules bacteria, similar to (but not the same as) those so often observed on the root of our common red clover. Without these little parasites, the plant is unable to secure the required amount of nitrogen from the air. Some fields require the introduction of this bacteria and dirt dug from an old alfalfa field or often dirt taken from the roadside where sweet clover flourishes, 100 pounds to the acre, will inoculate the soil. Sow the dirt broadcast by hand or with a manure spreader set with slow

# EIGHTY ACRES AND A HOME

The following plan, entered in Kansas Farmer 80-acre farm contest, was submitted by George B. Holmes, Manhattan, Kan., and was awarded first prize in competition with more than 200 other plans submitted. Mr. Holmes' Plan fol-

\$15 Prize Winning Plan.

In selecting an 80 acres such as you suggest, I would be very careful in getting it well located—on a good road, near a school, church and in a friendly neighborhood. These are very essential if the farm is to be a home also. The farm should have good drainage and a never-failing water supply. With these conditions and enough money an ideal and profitable farm can be equipped.

The farm home may be comfortable and modernly equipped, yet not too large or expensive. A good farm house can be built for \$2,500, which will accommodate the average family of five per-

The home site will take about five acres. Here can be placed besides the house, the barn, cribs, chicken house, hog house, etc. This plot should be situated at the center of one side of the farm, and through it should pass the lane running through the farm. On one side of this lane will be the house and on the other side the stock buildings. This, then keeps the house and barns sepa-rated, yet close enough to be handy for the farmer.

The barn should be large enough to hold all the hay cut on the place and under it should be a good basement for the cattle and horses. A barn 30x60 feet should be sufficient. Near the barn there should be a hog house 24x60 feet. A poultry house 15x30 feet should care

for all the poultry kept.

In arranging for the crops I would divide the farm into four equal divisions of about 20 acres each. As dairy stock and hogs would be my specialty, I would sow one of the fields to alfalfa, one to a meadow pasture and the other two I would plant to corn. These crops can be conveniently rotated and can be cared for by the farmer himself with a little help in the busy seasons. I would sow rye in the corn the last time through it and thus provide for a winter pasture for the stock. If a silo was used the corn could be cut for ensilage. The entire place should be fenced hog tight and cro fenced. This would greatly aid in utilizing the feed in the various fields.

In the way of stock I would keep two teams, one heavy farm team and one lighter road team. In busy sea-sons both teams could be used for farm work. As these would be mares they would produce colts every year. About 10 head of pure-bred Jersey or Holstein cone and a bull would be used as dairy Such stock can be obtained at \$125 to \$150 apiece. From 100 to 150 hog could be run on the alfalfa.

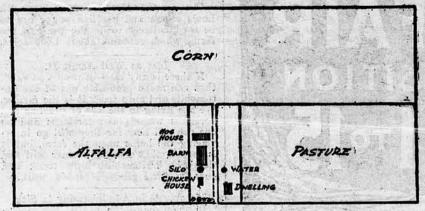
As the silo is of great economy on the farm where dairy stock is kept, it must have its place on this 80 acres. Its capacity and size will depend upon the number of cattle fed. If the number be 15 head, then a silo with a capacity of 50 to 60 tons will be sufficient. The smaller the silo, the better will be the condition of the ensilege as about two condition of the ensilage, as about two incles must be fed off the top every day if the ensilage there does not spoil. This ensilage there does not spoil. sile will be 11 feet in diameter and 29 feet high, and will require the corn from four acres to fill it.

silo of this size will allow for a 40pound feeding of ensilage a day for every cow for a period of 180 days. The material used in the construction of this silo will be concrete. If sand and gravel can be obtained, the concrete or cement silo is better for several reasome in that it is rot proof, vermin proof, fireproof, wind proof; it is air tight and requires few repairs. The initial cost may be more, but cement silos are being creed in preference to the wooden. A sile such as will be required on this 80 acres will cost approximately \$275. The

wall will be solid and reinforced with wire mesh.

EQUIPMENT AND TOTAL O	UTLAY
801-10 famm at 000 am name	\$4 800 00
	. 2,500.00
Barn	. 1,500.00
How house	250.00
Windows 4-foot hog fencing	. 500.00
50 shade trees	50.0
50 fruit trees Bushes etc.	15.0
4 hand home	500.0
Well norses	100.0
10 bond	4 050 0
1 built cows	250.0
25 head brood sows	375.0
Farm machine	25.0
Farm machinery	1.000.0
Gasoline engine	150.0

Plan for 80 Acre Farm Yielding Nearly 25 Per Cent on Investment Annually



PLAN FOR 80 ACRE FARM BY GEORGE B. HOLMES

Total .....\$13,785.00

This farm, as can be seen, will be well equipped. The home will be modern, bath, heat and light. The best of stock will be kept. The cream will be separated, the power coming from the gasoline engine. The cream will be sold and the

milk used for the pigs.

After the farm is in operation, it will yield a net profit. There will be sold every year four head of colts, 10 head of young dairy stock, 125 head of hogs and

100 chickens.

Thus, after this farm is in operation, the income would be \$3,425, not including the amount from the sale of butter-fat throughout the year. The cows should produce an average of 280 pounds of butterfat, or a total of 2,800 pounds for the 10 head for the year. At 25 cents a pound this would give \$700 from the sale of butterfat alone. This amount added to the \$3,425 will make the total \$4,125. Is not this profitable? Of course a farm of this kind means work, but no other farm work yields the same

#### Editor's Comment on 80-Acre Farm Contest.

In the column next is announced the decision of the judges in Kansas Farmer 80-acre farm contest. The drafts for the cash prizes have been sent the first and second prize winners and a receipt for paid-up subscriptions has been sent to

each of the others winning third, fourth

each of the others winning third, fourth and fifth prizes.

The judges selected to award the prizes in this contest were E. H. Webster, dean of agriculture in the Kansas State Agricultural College; G. L. McKay, formerly professor of dairying, Iowa Agricultural College;

Obrecht, formerly professor of animal husbandry, University of Illinois and now a successful Shawner county farmer; O. E. Walker, a highly successful general farmer, also of Shawsuccessful general farmer, also of Shawnee county. The above gentlemen were selected by Kansas Farmer to pass on these plans submitted because it appeared that in this combination theoretical and practical ideas would be successfully merged. The first two judges named, while not now farmers, are men of exceptional training and experience in their, lines, with wide observation confined not alone to farming, in the United States, and more, each grew to manhood as a tiller of the soil. Mr. Obrecht's work and education have been along live stock lines, and he is now working out his ideas on his own farm. Mr. Walker is the owner of a beautiful farm near Topeka, which farm he personally superintends, and makes money from land which would sell any day offered at \$200 per acre. It would seem that the gentlemen above were able to render as good judgment as could be given the large number of contestants, each contestant presenting a plan in which the main idea was viewed from a different angle. More than 200 plans were submitted in this competition. This gives a good idea of the interest of the day in the small farm, and when it is recalled that the competition was inaugurated during the busiest season of the year-June and Julythe plans themselves are evidence that the management of the small farm is

being closely studied by Kansas people. Many contestants write that their plans submitted are in fact plans of their home farms, and the operations described exist in fact, and not in the important of their contests. agination.

In almost every plan submittel is developed a point worthy of note. A composite made up of the best idea in each plan would come near describing the ideal 80-acre farm. It is the editor's intention later to attempt this composite and see how a grouping of the best ideas will work out and publish the results. A number of the best plans will be printed in Kansas Farmer. The plan of George B. Holmes, winner of first prize, is printed herewith. We will endeavor next week to tell something of Mr. Holmes and present his picture. The second prize plan, that of T. B. Johnson, Aurora, Neb., will be published next week. Others will follow as space permits. follow as space permits.

The awarding of the prizes and the printing of the prize plans is really only the beginning of this interesting contest. Kansas Farmer will next week announce a list of prizes and conditions governing a competition whereby the prize plans of Mr. Holmes and Mr. Johnson will be criticised and suggestions made for improvement. This contest should be interesting, and the results instructive. Hundreds of people will find fault with the plans as printed, and Kansas Farmer desires to hear from each. It's easy, you desires to hear from each. It's easy, you know, to find fault, and no one should find fault without being able to suggest a correction of the fault.

From this competition and its confrom this competition and its continuance, the man located on a small farm should learn something worth many dollars—possibly turn losing operations into profitable conduct. The small farm will be the farm of the future. Farms are becoming smaller every day, first because population is increasing and tillable land is not, and second ing and tillable land is not, and, second, because farmers are finding out that it pays best to farm fewer acres more thoroughly than many acres in a slipshod way.

The judges mentioned above, with Albert T. Reid, president of Kansas Farmer, and the editor, before separating, spent several hours discussing the plan for a model 80-acre farm, with the idea of publishing the plan later. The possibility of six men agreeing on a model farm plan is quite out of the question. The editor proposes, in this matter, to have his ideas recognized—and he will. If time will permit a model plan will be worked out in miniature in paper mache and staff and exhibited at the Kansas State Fair, Topeka, September 11 to 15. This work will be done under Mr. Reid's direction, and every field, fence, building and tree shown, and this work itself should be one of the happy results of the Kansas Farmer 80-acre farm contest.

### Treatment for Wheat Smut.

A Beloit reader asks that we publish method of treating seed wheat for smut.

There are two kinds of smut in wheat. Stinking smut is the only kind which has yielded to treatment of the seed, and presume it is to this that our reader refers. This smut attacks the kernels only and makes the grain black, reducing the value of the wheat for flour making.

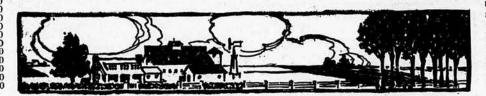
The Kansas Experiment Station recommends the following treatment for the seed: "Add one pound (pint) of formaldehyde to 50 gallons of water, or at the rate of one ounce of farmaldehyde to three gallons of water. One gallon of the mixture will treat a bushel of grain. One pound of farmaldehyde, therefore, will treat from 45 to 50 bushels of wheat. Formaldehyde costs 50 to 75 cents per pound at retail.

"Spread the wheat in a thin layer on smooth, clean floor or tarpaulin. Sprinkle the grain with the formaldehyde mixture until it is thoroughly and evenly wet through. Then shovel the grain over to be sure to have all the seed wet, and cover the pile of seed with can-vas, blankets, bagging or the like. The seed should stand from 6 to 12 hours and then should be shoveled out in a thin layer to dry, stirring frequently. It can then be stored. Bins, etc., should be disinfected with formaldehyde and also the drill. All seed to be treated should be fanned previously to being treated."



### WINNERS IN KANSAS FARMER 80-ACRE FARM CONTEST.

- George B. Holmes, Manhattan, Kan.; prize, \$15.
- T. B. Johnson, Aurora, Neb.; prize, \$10.
- Will Crenshaw, Harper, Kan., and J. P. Dam, Corning, Kan., each five years' subscription to Kansas Farmer.
- A. Beck, Whitewater, Kan.; P. C. Trapp, Herington, Kan.; Barney O'Flannigan, Ellsworth, Kan.; Amanda Christiansen Kan.; Dora Clark, Linn., Kan.; each three years' subscription
- Mrs. Alice E. Wells, Princeton, Kan.; F. C. Jones, Washington, Kan.; Pearl Brooks, Fall River, Kan.; G. C. Elliott, Sedgwick, Kan.; Mrs. Miriam McCarty, Hutchinson, Kan.; C. F. Schaaf, Deerfield, Kan.; G. W. Woodruff, Welda, Kan.; Eliza Bedker, Utica, Kan.; E. A. Drumm, Cedarville, Kan.; Bruce Saunders, Holton, Kan.; Mrs. O. M. Edwards, Coffeyville, Kan.; A. Johns, Topeka, Kan.; Mrs. Ellen Richardson, Columbus, Kan.; Everett L. Platt, Montrose, Kan.; W. L. Wright, Dunlap, Kan.; each one year's subscription to Kansas Farmer.





BIGGER OBETTER THAN EVER IN 19 STATE FAIR GROUNDS

DON'T FAIL TO MAKE THE DILGRIMAGE

YOU CAN LEARN AS MUCH IN A WEEK AT THE FAIR AS IN SIX MONTHS AT SCHOOL AND IN ADDITION YOU WILL BE ROYALLY ENTERTAINED SOME of the MANY SPECIAL ATTRACTIONS

Enormous Agricultural, Live Stock and **Industrial Exhibits** 

Five full days of harness and running races. Pain's fireworks panorama, "The Fall of Pompeii." Uncle Sam's naval display and battleship models. Kansas Agricultural College display and trophies. Grand Opera, fully costumed and staged [evenings]. Liberati's famous band-60 stars. Patterson's colossal carnival combination. Scores of clean, free shows each day. Clark's Trained Dog and Pony Circus. Kansas fish warden's demonstration car. Henry Hammond Ahl's Marvelous Picture, "The Shadow

Kansas Semi-Centennial Festival

Will be Held During Fair Week with Historical Pageants Tuesday Evening

11TO 5 1911 STATE FAIR GROUNDS

# L.M. PENWELL

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

S. C. Buff Orpingtons
I won first on pen at Topeka 1911 show against 12 competing pens; also won at the other leading shows of the country. I have the large, heavy-boned kind. Send for my 1911 mating list; am ready to sell you eggs for hatching.

EVERETT HAYES, R. 4, Hiawatha, Kansas.



FOR SALE. A1 feed mill, doing a good cash business of \$150 to \$200 net each month; only one in west part of the county; splendid trade; ocal bins on railroad right of way; owner selling on account of losing his wife and failing health; this will bear investigation; in good, live town. For further particulars call on or address

THOS. DARCEY.

Real Estate Agent. Offerle, Kan.

# FARM POW

DEVOTED TO GASOLINE ENGINES, TRACTORS TRUCKS, AUTOMOBILES, AND MOTORCYCLES

Horseless Illinois Farm.

Out on the Mitchell farm near St. Louis steam and gasoline power are to be used entirely to do the work of the farm, which contains about 1,000 acres.

Just as Well Admit It.

If there is any class of people on earth that can make profitable use of the au-tomobile and auto truck it is the farmer. We are living in the age of gasoline and we are fiving in the age of gasonine and horseless wagons and carriages and no cae can tell how far they will go in replacing the horse upon the farm, but it is certain that many a farmer will find that the automobile, auto truck and auto tractor a great aid in his work.

Metorcycle in Administering to Sick.

In mentioning the use of the motorcycle in a recent issue of Kansas Farmer we omitted to report its use by the

we omitted to report its use by the country physician and the omission has brought a letter as follows:

"Last fall a doctor in a small town told us that since he began using his motorcycle in making country calls he had enjoyed a decided increase in his practice. Not alone had he increased his practice, but he had been able to give every one of his patients better and more prompt attention. He laid this largely to the fact that the people in his community realized that he could reach them with a motorcycle in one-fourth the time it took with horses. Naturally this appealed to the patients and pleased the appealed to the patients and pleased the physician."

Distinguished Caller.

Automobile enthusiasts of Topeka were last week honored by a call from Jack McLain, who is visiting kansas towns, showing his Viele stock car, which won the Elm Ridge race at Kansas City, Mo., July 4, 1911. Jack's car turned over three times, while being driven recently by him at a rate of 70 miles per hour. The car landed upside down, but damaged to such an extent that road side repairs

What Can a 45-Herse Tracter Do? A 45-horse power gasoline tractor was recently advertised in Kansas Farmer. A subscriber asked this paper how many plows this engine would pull. The in-quiry was sent to the manufacturer and the reply, which is as follows, contains so much general information regarding tractors that it is printed in full:

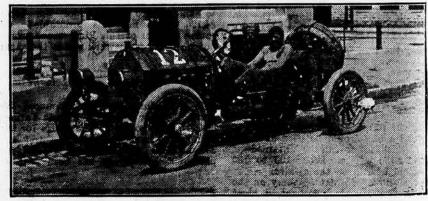
This question seems simple, and yet it cannot be definitely answered because local conditions vary so widely. The number of plows that can be pulled by any traction engine depends on the foot-ing for the engine, the kind of power used, the kind of soil and its condition, depth of plowing, and correct setting of

the plows.

A traction engine uses a considerable percentage of the power developed in merely moving itself over the ground. If the ground is soft so the cleats sink in deeply it may use one-third its power for this purpose. Besides this there are fric-tion losses in the gearing and bearings, so that under average conditions, about half the power developed at the crank shaft is available at the draw bar. Our 45 horse power tractor, for example, is capable of continually developing 45 horse power, and on firm level footing the available tractive effort of the engine is easily that of 22 horses. If the footing is quite soft, the available tractive power may be cut down to as low as 20 horse may be cut down to as low as 20 horse power. It is well known that on consid-erable grades a horse can for a few minutes exert two or three times its continuous pulling power, but a traction engine has no such large reserve power. So that on quite hilly ground they are not likely to be very successful.

There are two kinds of engine gang

plows in common use, the mold-board and the disc. Each has some advantage not possessed by the other. In tough sod the mold-board plow is the only one that can be used for breaking. In sticky or "gumbo" soil the dise plow is the best for stubble plowing. In dry, hard soils, such as are found in most semi-and regions,



only were needed and the machine drove to the garage by its own power.

### Contractor Uses Motorcycles.

Not long ago a prominent building contractor of Topeka, in speaking of his motorcycle to Kansas Farmer said: "It would simply be impossible for me to get along without it. I can accomplish more work by far with my Harley-Davidson than with any other means of getting around. I have used both horses and automobile, in fact still have them, but they are simply not in it with a motorcycle. I have more contracts right now than I ever had before and I am handling. them better, i. e., I am able to personally supervise the work on all of them. The motorcycle brings me nearer to being in two or more places at once than any other means of transportation."

Automobile and the Farmer.

A Shawnee county farmer who lives nine miles in the country drove up to Kansas Farmer office the other day with a pure-bred Holstein bull ealf in a crate on the rear of his machine. The calf was to be shipped to a western dairy-man. The farmer said: "I live nine miles out. Drove here in 30 minutes. Can come in less time. I find the automobile a profitable investment in my business. If a machine breaks down or material for running the farm is needed quickly, I find the automobile a most convenient way of obtaining it. Not only does it serve me in a business way, but I find it possible to attend evening entertainments in town with my family, which I could not when I had to depend upon horses."

the disc plow is equally suitable for breaking or stubble plowing. It is generally admitted that in any soil suitable for a disc plow, a wider furrow can be cut with the same effort when applied to disc plows than to mold-board plows. In such soils, therefore, an engine with disc plows can turn more acres per day than if using mold-board plows. And if each disc cuts a furrow only 8 or 9 inches wide, and 5 or 6 inches deep, the ground where there is more or less of hidden stones, the disc plow is +1 safest one to put behind an engine.

The condition of the soil and the depth of plowing also materially affects the draft of plows. It may take one-third more power to pull a plow through heavy soil that is almost dry, than if it were thoroughly moist. And on heavy soils the draft increases out of all proportion to the depth of plowing. And the proper setting of the plows also has no small effect on their draft.

From the preceding discussion it will be perceived why we can not definitely answer the question, "How many plows can your engine pull?" We can say this, between the preceding discussion it will be perceived when the preceding discussion it will be perceived when the preceding discussion it will be perceived when the preceding discussion is the preceding discussion in the preceding discussion it will be perceived when the preceding discussion it will be perceived why we can not definitely answer the question in the preceding discussion it will be perceived why we can not definitely answer the question in the preceding discussion in the perceived why we can not definitely answer the question, "How many plows can your engine proceding the perceived why we can not definitely answer the question," "How many plows can your engine pull it will be preceded as a perceived with the perceived with the perceived with the perceived when the perceived with the p bowever: We have never found any sod so tough that our 45-horse-power tractor could not pull four 14-inch breaker bottoms through it. On the other hand it has in some cases successfully eight 14-inch breaker bottoms. eight 14-inch breaker bottoms. Under average conditions six 14-inch mold-board plows make a suitable load for breaking, and 8 for stubble where disc plowing are used, it has successfully operated from 10 to 14 discs, cutting a furrow 8 to 10 feet in width, makes a suitable load. makes a suitable load.

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# Over 600 Iowa People Have Bought 10-Acre Tracts Or More Of The Fruit Land

IN THE

# Iowa Colony Of The Houston-Galveston District

THIS land will produce as much, if not more, of the same kind of fruit, than the high-priced lands of California are producing, and at a less expense, and will sell for as much as the high-priced California lands in a very short time. DON'T delay in getting a tract of this land while it is in your reach. Land in this colony is selling now for \$70.00 an acre that is equal to the fruit lands of California that are bringing from \$1,000 to \$3,000 per acre.

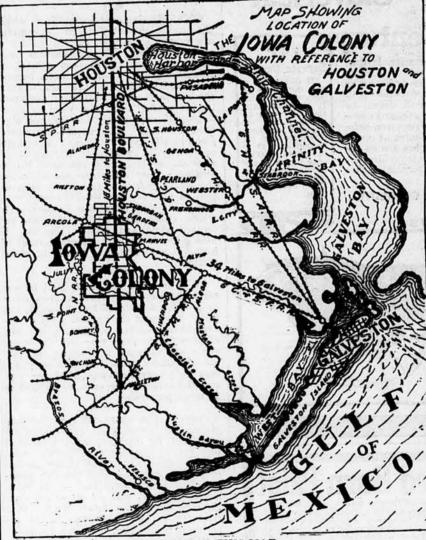
These lands also produce big crops of all grains and vegetables. Right among the country's best markets, with abundant Railroad service. Fine climate and good water. Rainfall never failing. Soil rich and easy working. The place where living is easy and accumulation certain.

The Iowa Colony was organized and settlement begun two years ago by Iowa farmers on a tract of land twenty miles from Houston in the orange and fig belt of Texas. Over 600 Iowa people have bought. About 300 have moved into the Colony, built themselves nice homes and are improving their land, setting it out to oranges, figs and pecans, and in the meantime are raising all kinds of grains and vegetables, the last named producing in this belt from \$150 to \$500 per acre. Four to eight year orchards produced from \$600 to \$1,000 per acre last year.

If you want a home with all the conveniences of a city home and one that will make you several thousand dollars each year, in addition to your living, and where the climate can't be beat; or if you have a few dollars you would like to more than double in a very short time; or if you want one of the finest trips you could possibly take on a small amount of money, join us in one of these excursions and investigate for yourself. You will not be asked to buy. YOU WILL ASK US TO SELL YOU. You are OVERLOOK-ING SOMETHING if you overlook one of these trips.

Join Our Next

Excursion



STUDY THIS MAP.

Note the position of the Iowa Colony located on a beautiful prairie, covered with blue stem grass. Only eighteen miles south of Houston, the Manchester of America, where seventeen railroads meet the sea, and where they manufacture everything from a locomotive to a lead pencil. Houston, with 105,000 citizens, has doubled her population in the past five years, and expects to double this again within the next five years. Note the creeks heading in the Iowa Colony, and their course to the bays, indicating the elevation for drainage purposes. Note the railroads running through and to the east and west of the Iowa Colony.

The Iowa Colony is a LIVE community, where progressive minded northern folks are living in peace and plenty. Don't wait until prices are higher. Buy now and get the benefit of the rise in values for yourself.

Our best recommendations are the people who have bought the land and are living on it and making money. We want you to accompany us on one of our excursions. See this land and talk with the people who are living there and find out for yourself what a great opportunity it offers you for a small investment in land in this colony. Ten acre tracts can be bought for \$70.00 per acre, \$3.00 per acre down and balance on time to suit purchaser. This land will positively not sell for this price for a longer period than thirty or sixty days, therefore, buy your land now and make the advance that is coming yourself. If you cannot visit the Colony now, you are safe in buying the land and investigating it later, as ALL LAND
IS SOLD ON A POSITIVE
GUARANTEE TO BE AS
REPRESENTED OR MONEY REFUNDED.

We can also furnish larger tracts of farm land at a price equal to any one in the business.

Join Our Next Excursion

# SEPTEMBER 5th and 19th NEXT

We will run personally conducted excursions in private cars at reduced rates from Topeka and other Kansas Points to the Iowa Colony, taking in Houston, Galveston, San Antonio and other points of interest in Texas.

Hereafter excursions will be run the first and third Tuesdays of each month until unsold lands are disposed of.

Make your arrangements to go with us September 5th, if you can; if not, come on September 19th. Write or wire us for reservations and all further information. Use the coupon at the right, or write us a similar letter, or send a day or night letter by telegraph at our expense.

# HAZARD & CHESLEY LAND CO.,

C. L. SHARPE, Manager.

116 E. 7th Street

Topeka, Kansas

# SIGNAND MAILTHIS COUPON AT ONCE

Hazard & Chesley Land Co.,

Topeka, Kansas.

I will be glad to receive further information concerning the possibilities offered by your company for an investment in land in the lowa Colony of the Gulf Coast of Texas.

Signed)

PO

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State......

Service Bureau

The Bureau is a clearing house of agricultural data. It aims to learn the best ways of doing things on the farm, and then distribute the information. Your individual experience may help others. Send your problems to the

problems to the I H C Service Bu-

# The First Step In Scientific Farming Is An IHC Manure Spreader

You will never get the most out of your soil, until it is properly fertilized. And it will never be properly fertilized until you use a good manure spreader, because the use of a spreader will enable you to overcome the practice of spreading on one acre what should be used on two. Why delay the profits that are rightfully yours? Why not look into this manure spreader proposition at once? Learn the many reasons why thousands of other progressive farmers are having such great success with I H C Manure Spreaders.

When you examine one of these spreaders, note the extreme sim-

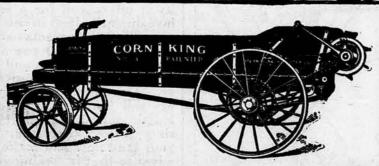
When you examine one of these spreaders, note the extreme simplicity and great strength of the working parts; note that the beater driving gear is held in a single casting, thus there is no binding nor cutting of parts caused by the gearing springing out of alignment. Notice the roller bearing support for the apron which reduces the draft of the machine; operate the convenient levers; notice how quickly and easily the feed changing device can be shifted, and the wide range of adjustment.

Corn King Cloverleaf Kemp 20th Century IHC

Each of these famous I H C Spreaders is simple, strong, and durable in every part. Each is instantly adjustable to spread light or heavy as your judgment tells you is best for the soil. Whether you have a large or small farm, or whether you want a spreader for orchard use— there is an I H C that will suit your requirements.

Why not see the I H C local dealer at once? Let him tell you why I H C Spreaders are so remarkably successful. Get catalogues from him, or, if you prefer, write direct for any information you

INTERNATIONAL HARVESTER COMPANY
OF AMERICA
(Incorporated)





# **Endurance Red Barn Paint**

Save money on your painting, and get better paint. Our Endurance Red Barn Paint No. 52, at 85c. a gallon, freight prepaid in 5-gallon cans, gives you utmost paint value. A bsofutely guaranteed for spreading and lasting qualities—is a strong, live, bright, rich red. You can't buy a better paint even at \$2 a gallon. Our price saves you all dealers' profits, traveling men's salaries and expenses, etc. You save all that for your pocket. It will do you more good there than it would in the pockets of others. Make no mistake. We guarantee every gallon. We are a responsible firm, are

# NOT IN THE PAINT TRUST

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We make our own paint and we make our own prices. Our customers know the meaning of that. Mr. B. W. Ramsey. Red-field, Kansas. recently wrote us:—"In May, 1910 I painted my large barn with your Red Barn Paint. A heavy rain storm followed the night we finished painting, but the paint showed no injury. Then it passed through the extreme hot weather of last summer, and again through heavy, blowing rains and storms of the summer and fall, and then passed through the cold weather of this last winter. It has not been affected in the least by the elements, and remains bright, and compact." We can furnish testimonals by the hundreds like this from nine western states. I gallon will cover close to 300 square feet, two toats. This is paint season. Don't delay. Send order now to—

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# THE FARM



"How to Grow Wheat in Kansas" is a bulletin from the Kansas Experiment Station which should be in the hands of every wheat grower. It is an exhaustive treatise on every phase of wheat growing, devoting the first few pages to the results obtained from different methods of preparing the ground, as well as results of preparation and time of seeding. Other pages have to do with the preparation of the seed bed, the "summer fallow," the kind of seed, testing seed wheat for smut, insect enemies, etc. If you have not already received a copy of this bulletin, send at once for it and be not content with reading it, but make use of it as a text book for study.

Wheat growing experiments from which the conclusions set forth in the bulletin are drawn have been carried on for a number of years. These conclusions have within the last month been printed in Kansas Farmer. Demonstrated beyond reasonable doubt, the difference between the best methods of cultivation and seedthe best methods of cultivation and seeding at proper time, the yield is enormously increased over the common slipshod methods. The actual increased yield in the experiment was 34 bushels per acre, due wholly to differences in methods of preparing the land before seeding. This difference should cause the whole the ways to take clear the seeding. the wheat grower to take close observa-tion of methods and bend his energy to a close application of the fundamentals which enter into a tremendously in-creased yield and profit. The key is here given to the real situation—that of losing money or making money in wheat

Of 11 methods compared land plowed early and deep—July 15, and seven inches deep—gave a yield of 381-3 bushels per acre. This was the highest yield of the experiment. After paying for the cost of preparation there was left \$25.74 per acre. The largest pay acre; the largest net return of any method under trial. In this case the cost of preparation was \$4.95 per acre and the value of the crop was \$30.69 at 80 cents per bushel.

Contrast the above with the method giving the lowest yield and lowest re-turn, and, by the way, which method is one very commonly used in the west third of the state. That is the method of disking the land only, possibly plowing every third year. The plan is popular, apparently, because it will permit the farming of a maximum of acres at a minimum of labor expense. In the experiment land disked but not plowed cost \$1.95 per acre for preparation; produced 4½ bushels, the value of which at 80 cents per bushel was \$3.42; the value of the crop less cost of preparation being

The two methods-the best and the poorest—will bear closer analysis. By the poor method it will require slightly more than 8.8 acres to yield as much wheat as the one acre by the best method. The cost of preparing 8.8 acres by the poorest method is \$17 and the value of the crop, less cost of preparation, \$13, or a profit of \$1.40 per acre—the net gain set forth above in giving the results of the poor method. Set against this are the results of the best method—one acre costing \$4.95 to prepare, yielding 38 1-3 bushels worth \$30.69, and giving a net return of \$25.74. This comparison is made to set against the frequent argument that it pays to slight the preparation of wheat ground, to prepare at less cost and take a smaller profit per acre on a larger acreage.

This is evidence weighing heavily in favor of the most thorough preparation, and showing that the slip-shod method cannot, in results, be compared with the best method—that it actually costs more to produce wheat per bushel under poor methods than by the best, as is illustrated by these figures. By the poorest method it cost 45 cents worth of labor to produce a bushel of wheat, while by the best method it cost slightly less than 13 cents worth of labor to produce one bushel. It is not possible, if wheat land be given any preparation at all, to do less work on it than my disking, and the figures would indicate that the wheat grower cannot afford to do even this lit-

tle work. The cost of labor in these experiments in the thorough preparation of wheat land does not increase in the same proportion as the increased yield and return. These experiments substan tiate the still undisputed maxim that "whatever you do it pays to do well."

The figures go to show that the theory of sowing many acres and accepting a smaller return per acre is an error. Then are seasons—we have seen them—when are seasons—we have seen them—when that theory would prove out, but such seasons are the rare exceptions. To take advantage of such theory and sow wheat according to it we premediatedly gamble with the weather and against great odds. When all weather conditions are favorable a crop grows in spite of the planter, but the all-around favorable season is the exception. Unfavorable conditions are largely overcome, greatly minimized at least, by good culture methods, and if our farming operations are to yield a steady income, we must adopt such methods as will tend to equalize seasonal variation. In those sections where a fairly good wheat even is expected only a fairly good wheat crop is expected only every three or four or five years, the expectancy is the result of habit—the habit of poorly preparing the land, seed-ing just any old time and depending upon Providence for the balance.

In the above remarks the best and poorest methods were contrasted for the reason, as stated, that the poorest is a method practiced year after year on many farms in some sections, and for this reason the comparison is justified. The experiments reported in the bulletin are 11, each involving different methods. Other methods, varying slightly from the best here quoted, seem, from the bare figures, to give satisfactory results. A close analysis of the figures, however, shows results strongly in favor of the best method herein reported, and the deduction that early, deep plowing and thorough preparation of the seed bed is the only really profitable method for the wheat grower.

An interesting feature in connection with these 11 experiments, each by a difwith these 11 experiments, each by a different method, is that the average yield per acre was in excess of 25½ bushels, or exceeding the average yield of Kansas for the 10-year period of 1901 to 1910, inclusive, by 12 bushels, the average Kansas yield for the above period being 13½ bushels per acre. The figures are significant in that they indicate that the great part of the wheat farming of the significant in that they indicate that the great part of the wheat farming of the state is done by what we may call very poor methods. It is not pleasant to recall the fact that our wheat growing methods are open to such criticism, but the fact remains, nevertheless. In the ll experiments, if the four-bushel yield be eliminated, the average yield of the remaining 10 would be slightly less than 28 bushels per acre, or 14½ bushels per acre in excess of the average Kansas yield for 10 years. for 10 years.

In total amount of wheat harvested per acre honors are about equally di-vided between Kansas and Minnesota-they being the two states first in total bushels of wheat produced. This standard bushels of wheat produced. This standard is by virtue of the numerous broad acres of Kansas soil seeded to wheat, and not because of high average yield per acre. In average acre yield Kansas stands thir ty-second among the states. state yielding less per acre is a southern state where wheat growing is a side issue and not a mainstay as in Kansas. The average acre yield of Maine is 35 bushels; New York, 18; Nebraska, 18; United Kingdom, 33; Germany, 29; France, 20½; United States, 14.3. Kansas land increasing in value and the Kansas land increasing in value and the necessity of a greater income to offset the interest on the increased investment, should we not make the increased investment, should we not wake up?

The value of charcoal for poultry is best ascertained by allowing them constant access to it. Wet, filthy or old charcoal is not desirable. Do not expect fowls to eat charcoal, grit and shells the way they eat corn. Do not force it on them, but rather have it in force it on them, but rather have they convenient reach of the poultry and they will eat as much as they need or is good for them.



# FREE this real leather bill fold for the Head of the Farm

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Thousands of farmers will buy gasoline engines this Fall. I want to get in direct and personal touch with every one of them, as I want them to know about the Olds Engine.

If you are going to buy an engine, or are thinking about it, you ought to know what an Olds Engine will do for you. I want to tell you about them—give you just the information you want—so if you will fill out the coupon below (or write me a letter) saying what size engine you want, whether portable or stationary, and when you expect to need one, without asking you to make any promise or obligating you in any way, I will send you absolutely free this genuine calfskin bill fold, stamped with your name in gold letters.

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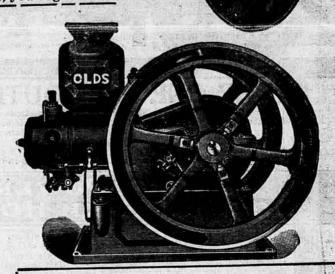
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Stationary Style wanted: Portable

Horse Power wanted: 11/2 3 41/2 6 8 12 15 20 Expect to need it: Aug. Sept. Oct. Nov. Dec.

Name ..... 

Don't Give Up. P. Grout, Illinois' big alfalfa grow-

ays:
0 those who sow alfalfa for the first
1 can only say, 'If at first you
10 succeer, try, try again.' It is
the effort and success will surely
1 the thorough understanding and with a thorough understanding and loyment of right methods."

Prepare as for Onion Bed.

lfalfa is a deep rooted plant and, efore, the ground should be plowed thoroughly pulverized to a consid-ble depth in order to give the plant bod start. It is better to plow some thefore seeding and give the ground ment disking or harrowing until it is toughly and finely pulverized. It is essible to have the seed bed too well lared. It is one of the most imporpared. It is one of the most impor-things in sowing alfalfa.

Curing Alfalfa in Swath.

Curing Alfalfa in Swath.

Ouis Lowenstein of Whitehall, Ill.,
aks the best way to cure alfalfa is in
swath. If it gets wet, he lets it lie
ill it dries. He has had hay that was
the a five days' rain come out of the
min almost as good condition as that
up with no rain. He says it is a
stake to keep kicking up wet hay with
bedder, as too many of the leaves are
ked off. Last year Mr. Lowenstein
in an average of five tons of alfalfa to
acre from 30 acres. The alfalfa was
four times. four times.

Inoculation for Alfalfa.

am frequently asked if inoculation really necessary. I can most emails necessary. I can most emails attently say that it is, if immediated satisfactory results are desired. hen my first attempts at growing falfa were made, I knew nothing about foundation; in fact, had never heard of culation; in fact, had never heard of My first sowing never grew very at and only lasted three or four ars. When this field was plowed up it resembled with additional ground. I reseeded with additional ground, I discovered that the reseeded part much thriftier and better than the ther, It was about this time that I smed about inoculation, and tried it, and obtained a good, healthy growth om the start.

After a start has once been made and halfa hay has been fed upon the farm

and the manure applied to the fields to be sown, there will likely be sufficient inoculation for all purposes, but in the beginning, inoculation is absolutely necessary for best results.—A. P. Grout.

Alfalfa Needs Limestone and Phosphorus

Twenty years of alfalfa growing in Illinois is an experience worth noting. A. P. Grant, the progressive farmer, and probably the pioneer alfalfa grower of that state, says alfalfa loves sweets and not acid. In this statement is expressed the reason that southeastern Kanses. the reason that southeastern Kansas

farmers having sour soils do not succeed with alfalfa. Mr. Grant says:
"I have obtained very good results without the use of ground limestone, but, without the use of ground limestone, but, on the other hand, I have obtained better results with it. There is, I think, no question that for best results on most soils, limestone is necessary. No doubt there is so much acidity in some soils that alfalfa cannot be successfully grown without it. It is a condition that should be acceptained by test

be ascertained by test.

"I can say the same of phosphorus as of limestone; that I have grown good alfalfa without it, but I have grown much better alfalfa with it. I do not know that it is necessary after the plant roots have extended down below the soil that has been exhausted by frequent croppings of much of its phosphorus, but I do believe it is just as essential and necessary in the beginning as any of the other elements of plant food."

Kafir Not Hard on Soil.

Last week we gave the best obtainable information covering the point as to whether sorghum and kafir were more exhaustive to soil than corn. John Fields, of Oklahoma Farm Journal, writes this

of Oklahoma Farm Journal, writes this on the same subject:

Will those of you who are sure that "kafir ruins the land" please plow half of your kafir stubble in November or December and give it decent preparation for spring crops? Let the other half go as you usually do. Plant the land to whatever you want to and observe the results. The facts are that a crop of kafir or milo removes no more plant food kafir or milo removes no more plant food from the soil than is removed by a crop of corn of equal weight. But these crops dry out the soil more completely than corn does. Corn dies while kafir and

milo still find enough moisture in the soil to keep them in good condition for growth when rains come. Corn is dead in August or September and quits taking moitsure from the soil. Kafir and milo keep on growing until killed by a freeze and thus usually leave the soil very dry in November. Better preparation of the land is necessary for spring crops to be planted on kafir stubble than on corn stubble. And this better preparation will pay amazingly. mile still find enough moisture in the soil

Increasing Humus.

Much soil is lacking in humus and of this condition a great deal is being written. The reader is likely to conclude that he can, within a very few years, build up a large humus content in his soil. It can be seen by the following figures that this is not an easy thing to do. It has been found that not over figures that this is not an easy thing to do. It has been found that not over 10 per cent of the organic matter plowed under can be figured on as being converted into humus. The surface eight inches of the average clay loam weighs approximately about 2,000,000 pounds. Taking the humus content as five per cent you would have 100,000 pounds to the acre. If the farmer should ever turn under four tons of organic matter per acre annually, it would take a very long time to build up a large humus content. up a large humus content.

Fifty years would be a short time in which to accumulate humus to any extent, and even a longer time would be required if one removes a crop from time to time. From these figures one should not conclude that the addition of humus to the soil is not highly desirable, for it is. It can be seen, however, that at the most we can do but little more within our short lives than to maintain the humus at a constant percentage by frequent green manuring, and by plowing under everything we can get onto the land.

A high grade, guaranteed durable live rich red barn paint is sold by the Sunflower Paint & Varnish Co. of Ft. Scott, Kansas, direst to the consumer at only 85c per gallon in 5 gal. cans freight prepaid. This is a paint proposition worth considering by every farmer. This is a reliable company and now is paint season. Try this



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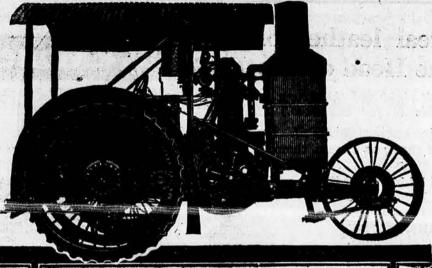
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Better send for our brand-new book, "Plowing and Tilling with a Modern Farm Horse." It's full of halftone photos and proven costs comparing steam and horses with our economical way. It's free.

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# Best and Cheapest Hog Conditioner The World Has Ever Known

That is the enthusiastic verdict of thousands of farmers and hog raisers all over the United States who feed MERRY WAR LYE regularly EVERY DAY with their hog rations.

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### The Cost Is A Trifle

MERRY WAR LYE is the least expensive as well as the best protection against hog losses ever discovered. It prevents hog cholera, cures worms, renders hogs immune to infectious diseases, keeps them on their feed with hearty appetites, tones them up, makes them fat and sleek and insures your getting them to market in prime condition to bring top prices. Its action is sure and you notice the improvement in your hogs at once. Feed it EVERY DAY, night and morning, and increase your pork profits.

A fair trial will convince you beyond all doubt that MERRY WAR LYE will do everything that its thousands of farmer Friends over the country claim for it.

# Prevented Hog Cholera

Mrs. B., Aholt; Mo., Writes: "Fed MERRY WAR LYE twice a day. It surely prevented our hogs from getting the cholera, while our neighbors lost all of theirs."

Mr. H. G. Acker, Chickasha, Okla.: "I have been feeding MERRY WAR LYE some two months, and it expelled worms after the first few feeds."





# IMPORTANT WARNING!

Don't infer that ordinary, or regular, lye can be used as a hog remedy.

MERRY WAR LYE is prepared ESPECIALLY as a hog remedy and it is the only lye that is guaranteed to be absolutely safe to feed to hogs.

Feed "Merry War" Every Day You can have healthy hogs the year round if you feed MERRY WAR LYE EVERY DAY. Keeps them on their feed all the time and makes them fat quicker than anything else. Get it today.

# Save These Directions

Follow these directions carefully: Mix one tablespoonful MERRY WAR LYE with slop for ten hogs, or ½ can with barrel of swill. Stir well and feed night and morning. If your hogs are on a dry feed ration, mix ½ can MERRY WAR LYE to each barrel drinking water.

MAR LYE to each barrel drinking water.

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us, stating your dealers' names, and we
will see that you are supplied and will
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MERRY WAR POWDERED LYE comes
in 10c cans, full case of 4 dozen cans for
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# LIVE STOC

Bran is a good ration for the horse, but must not be fed too frequently, or it will cause indigestion.

When the hogs show signs of illness or being off their feed, a change of rations becomes necessary, if, indeed, it should not be made before that time. Cut out the corn and feed a ration composed of shorts and feed a ration composed of shorts and bran, to which may be added a little oil meal. Then dissolve about three ounces of blue stone to the barrel of water for drinking purposes. Hog diseases are too often due to environment, and preventive measures are of more value than the veterinarian's skill.

The use of prod poles, clubs and whips in handling live stock between loading and slaughter points is being severely condemned by the packers. Rough usage has been the rule for some time, and has resulted in more bruised carcasses and damaged hides than is generally believed. Meats that are spotted with bruised portions keep poorly and become a whole-sale risk after remaining any length of time in the chill room or storage cellar. The reform campaign will be watched with interest and is expected to produce fruitful results.

#### Cottonseed Meal With Ensilage.

Erie (Kan.) subscriber: Has just completed a silo; will fill with Indian corn and feeds steers for the market; wants to know whether to use cottonseed meal or oil meal with ensilage.

Cottonseed will furnish protein at low-er cost than oil meal and is better adapted for use with ensilage than oil meal. Ensilage is succulent and a laxative, and so is oil meal—the combination, for this reason, not giving best results. Cotton-seed meal is constipating.

#### Good Farm Book.

"Meadows and Pastures" is the title of a new book by Josiah E. Wing, which deals with one of the most neglected crops on the American farm, the grass crop. The book furnishes a wealth of information, the result of world-wide experience and investigation. The author has attempted to show that grass when given proper care is one of the most profitable crops in America, and he has succeeded in a marked degree. Every phase of the subject is discussed and every paragraph is worth reading. Send \$1.50 to Kansas Farmer and you will soon own a copy.

### Hog Must Have Water.

About one-half of the live weight of the hog is water. The amount of water in the carcasses, however, depends con-siderably on the condition of the animal. A thrifty, growing hog that is not very fat, will contain proportionally more water than a hog that is very fat or in prime condition for market. Generally speaking, hogs with this degree of variation, will contain from 42 to 50 per cent of water. In order to have a hog develop to the best possible advantage, he must have sufficient water to supply this amount, and besides, he must also have water for the general working of his internal mechanism.

### Type of Breeding Sow.

It is not the little, fat, chubby females which should be retained as breeding animals, for they almost always prove disappointing at farrowing time. They neither produce large litters nor save the little ones from being crushed in the pig They are not good milkers, either,

and thus do not give the litter a good send-off during the sucking days.

One should select the long, growthy females, taking care, however, that they do not stand too high from the ground and are not contracted at the heart girth or near the flank. One should make sure, too, that there is no tendency for the back to sag or the feet to go down on the dew claws. It is better to select one with some arch to the back, making sure that the arch is in the back and not in the rump. An arched rump with a low-set tail means a shorter ham, and that curtails the carcass in its best part. The back should be wide and the sides should come down perpendicularly to a low, straight underline.

Imported Horses Require Certific

In compliance with the provisi recent federal legislation no horse used for breeding purposes in the States are admitted to this country they are vouched for by the Department of Agriculture. If the animals all the requirements, the department sues a certificate of pure breeding permits of the animals being land shipped to their destinations. This of great value to horse breeds they are now doubly protected as misrepresentations and the use of including the declares. dealers.

During the first three months stallions and 280 mares, al of fo breeding, were certified. Of this ber the Percheron, with a total ent 242 stallions and 95 mares, headed list, with the Belgian, with 140 stalling the stalling marks a second on the list.

and 112 mares second on the list.

More animals weer brought to lica during this period than are here, but some of them were held: account of defective registration. certificates have been returned importer or to the foreign breed ties for correction. In some inst the animals did not agree in age, of markings with the data on the fo certificates.

Pigs From Immune Parenta In speaking before the National Stock Sanitary Association Dr. V Niles of the Iowa Agricultural C

"Some years ago we bred quite a ber of immune sows. We bred in sows to immune boars and the offs from these sows were exposed to din different ways. We found that spring of immune parents had more sistance to cholera than the offs of susceptible sows. They did not ever have enough protection to stand heavy infection; that is, i stand heavy infection; that is, i posed to virulent hog cholera by placed with the sick or being in with virulent blood, a considerable cent would die. The per cent surf however, was usually larger than a case of pigs from unprotected mo Pigs raised from immune animals in more resistance than pigs from immune mothers. During 1907 we cinated a number of herds near ou periment station and we found the pigs procured from other farms; s discontinued buying pigs from farms until they had secure other quently, while we were not able termine the exact amount of protegiven these animals through the immothers, we were well satisfied that had more immunity than animals other sources."

The Cost of Horse Labor. The tradition that "it doesn't anything to keep a horse when you on a farm" has been disproved by recent tests made by Prof. Thoms Cooper. In this work the professor's that that, taking into account only items as a city business man consider in keping a debit and account with a horse, every such a really does cost the farmer a round of money for his beauty. of money for his keep.

First, there is the interest of purchase price or selling value of horse. Putting the rate at 6 per and the value at only \$150, the set comes to \$60. est comes to \$9.

Next we must consider that the erage working life of a horse deceed 10 or 12 years; therefore least one-twelfth of his value multiple and the state of th

annually charged to deperciation. Theer goes another \$12.50 on the horse, and if the animal is worth the depreciation cost is doubled.

The average duration of a barn, according to underwriters' is 40 years, and the capital per invested in such structures may be to average \$60. Divide this by 40 we have \$150 ar depreciation at we have \$1.50 as depreciation at as interest, making the cost of star for a horse, per year, \$4.50.

The items of use and depreciation at the process of the cost of star and depreciation at the cost of star and depreciation at the cost of the cos

harness, shoeing and miscellaneou

per year.

penses add an average of at least \$2.87 annually, and bring the total cost on the \$150 horse up to \$27.87, without any ref-

erence to the cost of feed and labor expended in caring for the animal. The farm value of the feed, based on accounts kept with 100 horses in different

counts kept with 100 horses in different parts of the state, averages \$54.84 per horse; the value of labor spent in caring for them, \$15.25 per horse. These items bring the aggregate average cost of keeping a \$150 horse for one year up to \$98.96. Mr. Cooper's tables, however, are based on an average valuation of considerably less than \$150 per horse and omit any allowance for the cost of

and omit any allowance for the cost of barn room or shelter; hence, they make the cost of maintenance only about \$85

Even at this low figure, however, it will be seen that with, say, four horses on the farm, the expense entailed reaches the very respectable sum of \$340 a year. As the workhorse on the average farm actually works only about

1,000 hours in a year, it is seen that the cost of horse labor, with the low-priced animals used as the basis of Mr.

Cooper's figures, is 85 cents per day of

A variety of suggestions are made, looking to the reduction of this heavy

drain upon the farmer's resources. These include (1) The use of more brood mares on the farm; (2) a better distribution of horse labor throughout the year by

diversified farming; (3) reducing the number of work horses on the farm; (4)

more economical methods of feeding; (5) the use, on small farms, of machinery requiring less horsepower.

Among these methods the substitution of brood mares for the geldings most commonly employed will commend itself as the most desirable. It is demonstrated that mares in foal can, with care, be worked 10 months in the year, not only without injury, but with advantage to both mare and foal. The 3 and 4 year old colts can be used for much of the work in the place of the aged

of the work in the place of the aged horses now driven. And, finally, the sale of colts will more than pay for the

However, the general adoption of the gasoline engine for doing certain numerous kinds of work for which horses have heretofore been kept, will do more to reduce the expense too often incurred for

the maintenance of a large number of

Cottonseed Meal for Hogs. A feeder, Potwin, Kan., asks: Is it safe to allow hogs to follow steers being fed cottonsed meal and shelled corn,

There is some danger in feeding cotton-seed meal to hogs, but that danger is not nearly so great as believed several years ago. In this section there is no neces-

ago. In this section there is no necessity for making cottonseed meal a part of the ration for hogs, but there is no danger in allowing hogs to follow steers being fed two to three pounds a day each. The Texas Experiment Station, during the past few years, has demonstrated that for short periods of from 70 to 85 days a grain ration may contain as high as 20 per cent of cottonseed meal

as high as 20 per cent of cottonseed meal

without injuring the hogs in the least. Other stations have fed hogs for three

keep of the mares.

horses on the farm.

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19 Sewing Machines
20 Gasoline Engines
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winter to show the relative value of alfalfa and timothy hay in the ordinary ra-tion for dairy cows.

For this purpose 16 cows were divided into two lots of 8 each. As the other portion of the ration for both lots was portion of the ration for both lots was exactly the same, 10 pounds of corn stover and 12 pounds of grain, a direct comparison was made between alfalfa and timothy hay. The results showed alfalfa hay to be worth \$10.86 per ton more than timothy hay. The average yields per acre obtained in Illinois are approximately four tons of alfalfa hay approximately four tons of alfalfa hay and one and one-half tons of timothy. When timothy hay is worth \$10 a ton, one acre of alfalfa is worth \$68.44 more than an acre of timothy, under the conditions which existed in this experiment, and when milk is sold at \$1.30 per 100 pounds.

The value of the alfalfa will vary with the price received for the milk and for

This Table Shows the Feeding Value of Alfalfa Hay Over Timothy with Milk at Different Prices.

Milk per 100 lbs.	Value of alfalfa per ton above timothy.			
\$1 00 · 1 10 1 20 1 30 1 40 1 50 1 60 1 70 1 80 1 90 2 00	\$ 8 36 9 19 10 03 10 86 11 70 12 54 13 38 14 21 15 06 15 88 16 72	\$58 44 61 76 65 12 68 44 71 80 75 16 78 52 81 84 85 24 88 52 91 88		

It must be borne in mind that the above figures can be applied to alfalfa only when fed with the feeds used in this test, or with other similar feeds.

test, or with other similar feeds.

Besides the greater returns in milk, the condition of the cows counts for much. At the end of the experiment the cows which were fed alfalfa hay were in much better condition than those fed timothy. The timothy, although of good quality, was not palatable, and the cows receiving it lost in flesh, their hair was rough and they flesh, their hair was rough and they were in poor condition generally. A number of them were more or less "off feed" at different times. Such was not the case with the same cows while being fed alfalfa. They had better appetites than when receiving timothy hay. If the effect on the cows is so great in so short a time, too, it is easy to see why many of the dairy cows come out of the winter in poor condition and have a small milk account to their credit.

The demand is great just now for good dairy cows. If a lot of the heifer calves which will be sold for beef this fall were dairy bred and from good milking mothers, they would sell for double the price.

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months and more on a ration of grain containing 10 per cent of cottonseed meal without any injurious effects whatsoever. It would not be economical to feed cattle more than about 10 per cent of cotton-seed meal, and usually not that much, consequently there could be no danger in allowing hogs to follow cattle getting a moderate amount of this product to balance the corn ration. In the southern states large quantities of cottonseed meal are fed to swine

with impunity. Some farmers, however, allow the meal to ferment 24 to 48 hours before feeding. The fermentation seems to counteract the injurious effects that sometimes attend the feeding of the meal without being fermented.

Timothy Hay vs. Alfalfa.

The Illinois Experiment Station is doing, at present, more to demonstrate the value of alfalfa compared with other hay and forage crops than any other station. The farmers of Illinois are excited over alfalfa, and alfalfa clubs are being organized for the instruction of growers. The following report by the Illinois station gives interesting fig-

Legumes not only give larger yields per acre than timothy hay, but are also more valuable ton for ton as feeds for dairy cows, because they supply a large part, or all, of the protein furnished by the high-priced concentrates usually pur-chased. Because dairymen in general do not realize this fact a feeding expe-riment was conducted throughout the

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The creamery promoter, after a decade of inactivity in Iowa, a few months ago again began operations. He is the man who has \$1,500 worth of machinery to sell to a company of farmers for \$4,500, taking stock subscriptions therefor. The same man has heretofore operated in Kansas, 20 years ago, with a good deal of success for himself, and within the last few years being able to locate a plant here and there. In Iowa his recent efforts were frustrated by Dairy Commissioner Barney, who expessed the plant of the professional "promoter" and who advertised that his department would when tised that his department would, when called upon, furnish the plans and esti-mates for creameries, saving the farmers from \$2,500 to \$3,000 on each creamery

The law of Kansas provides that all operators of the Babcock test for the purpose of purchasing either cream or milk shall make application to the dairy commissioner for a license to operate the test. This insures that competent men will test the farmers' cream.

In almost every state plans are being adopted for the purchase of cream on grade, and for Kansas the Experiment Station is now making an investigation which it is hoped will lead to a feasible and practical system under Kansas conditions. The work is under the direction of Director Webster. By grading cream, making two grades—one to be sweet and of good, clean flavor, the second to be that which is sour but of good flavor, and to absolutely refuse to accept cream that is rotten and of bad flavor-will bring to each patron a direct, immediate realization of the necessity of giving proper care to the milk utensils and the cream, or suffer financial loss. The general improvement that will come through the grading system will assist very materially in raising the quality of the creamery's output and the relative price received.

The cow that gives the greatest number of pounds of butterfat for the food she consumes is the most profitable dairy cow. Not the number of pounds of milk, remember, but butterfat. Milk wouldn't be worth anything if it did not contain butter, and the more fat the greater the value of the milk. The Babcock test will enable you to know about the production of butterfat.

The strictly dairy breeds, according to the accepted classification, are Holstein, Dutch Belted, Guernsey, Jersey and Ayrshire. There are very few Dutch Belted cattle in the United States, as compared with the other breeds. In the so-called dual-purpose class come the Red Polls, Brown Swiss, Polled Durham and Shorthorns. The strictly beef breeds are Herefords, the best families of Shorthorns, Aberdeen-Angus and Galloways. No great claims are made for them as milkers, although many Shorthorns are of great value as such.

A Wisconsin court awarded damages to the owner of the famous cow, Martha Piltertje Pauline, against the owner of a scrub bull, which broke the fence and served the famous cow. The damages against defendant were \$75 and costs. The offspring of the scrub bull was sold for \$7, while the jury decided that the cow, bred to the pure-bred bull of her owner, would have resulted in a calf worth at least \$150, and on this ground gave the verdict. The decision is worth noting by breeders who are annoyed by neighbors' scrub bulls.

The cow is largely influenced by training and habits, and any change in custom in feeding or milking will affect the milk

The greatest source of loss in the dairy industry is the feeding of unprofitable cows. For example, a certain cheese factory in Ohio, in one year paid one of its patrons \$877 for the product of eight cows, while it gave another patron \$9 less, or \$868, for the milk from 22 cows. The latter dairyman boarded nearly three times as many cows as the other to get less gross return.

Until the feeder has known his cows through the scales and the Babcock test, business; he is merely doing dairy "guess work," and may be feeding into Polly all the profits he should make from Bess and Spot.

A great many farmers loss cream unnecessarily because they do not flush the cream separator at the close of the run. The object in flushing is to remove the cream lodged in the bowl and in the spouts and covers, and the necessity for flushing exists, regardless of make of separator. This flushing does not remove the slime or dirt gathered in the bowl, and the cream received from the flashing operation is as clean and sweet as any obtained from the separator.

South Dakota creameries will at their stations receive no cream showing in excess of 6 tenths of 1 per cent acid. Such cream is quite sour to the taste, but is not nearly so sour as much of the cream delivered to stations in Kansas. The same creameries will not recream at stations after the train on which cream should be forwarded has passed the point. This obviates the necessity of holding cream over night and prevents deterioration of cream qual-

Butter Next to Milk as Food.

If there is any kind of food that comes near to holding the importance of milk as human food, that article is butter. The commonest food set on our tables is bread and butter, and it is so common, in fact, that we do not realize as we should its importance and value as a food. The greatest value of butter probably lies in its indirect value as a lubricator for the body.

# Farm Care of Cream.

Perdue University Experiment Station says: "All movable parts of the bowl of the farm separator should be taken apart, thoroughly cleaned from all remnants of milk, cream and separator slime and scalded after each separation. Only a clean separator can deliver cream that is pure, sweet and that keeps well.

The farm separator should be so operated as to deliver cream testing about 35 to 45 per cent fat. After separation the cream should be cooled and kept cool by setting the cans containing it in fresh well water. The cans should remain in the water until the cream leaves the farm. This will prevent its souring and wheying off in summer, and its undue thickening and freezing in winter. Cream should be stirred occasionally to prevent excessive separation of the fat and the drying of the cream on the sur-

The cream should be delivered in clean cans or pails not less than twice per week and three times per week in sum-mer. In transit cans should be covered with a dry blanket or jacket in cold weather to avoid the freezing of the cream, and with a wet blanket or jacket in hot weather to protect the cream from

### Cheese as Food.

In a bulletin on the nutritive value of a number of common foods Secretary Wilson of the United States Department of Agriculture, says that a pound of cheese has nearly the same food value as two pounds of fresh beef, or any other fresh meat. It is worth as much as a pound of ham, is more digestible, equals 2 pounds of eggs; 3 of fish. In price it is about the same per pound as the cheaper cuts of meat and practically the same as smoked ham or bacon. Secretary Wilson urges as one means of reducing the cost of living a liberal portion of cheese in the daily fare.

### Dairy Farming.

There are three types of agriculture: Grain farming, grain and live-stock farming and dairy farming. Dairy farming in American agriculture is fast becoming a necessary adjunct because of its usefulness in retaining, restoring, and in most cases increasing the fertility of the soil, making the productive value as well as the money value of the farm greater every year. With the growing demand for the products of the fare, those who



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ricultural nursuits are guaran-perity just so long as farm lands oductive. It is not only necesreserve the fertility, but it must ed for the time is coming when of land under cultivation must h more heavily in order to fur-and clothing for the growing

M. Washburn, who made such ord as the first state dairy com-of Missouri, has been called air of dairy husbandry of the College of Agriculture. Like in public life, he has a platich he announces as follows: a strong advocate of the dairy

the dairyman; and co-operative creamery for diary and state; and

lieve in producing just as good not believe in, nor will I doff to, political health boards who

me lopsided and unjust in the i clean milk demands; and lieve that milk costs the farmer n he is getting for it, and that th more than the consumers are

he Value of a Good Cow.

re some figures given to show rence between a cow producing ds of butter a year and one anoducing double that amount, I. B. Gurler, the Southern dairy When a cow that produces of butter per annum at a food 139, and a labor cost of \$12.50 is 5, the cow that produces 400 lbs. r annually is worth \$400, and er can net \$16 more from her ying interest on the \$400 than om the cow that produces 200 There is no more labor with the 400-lb. cow than there the 200-pound cow. The price at utter has been credited, i. e., 20 r pound, is the net price from mery after the making has been . In this herd the increased cost or the 400-lb. cow was more than the increased amount of skim we have 200 pounds of increase r as net profit over the 200-lb. wo hundred pounds of butter at is \$40. We have \$400 invested cows, which at 6 per cent inter-, which we will deduct from the we have left \$16 to the credit 0-pound cow.

The Butter Situation.

hicago Dairy Produce, a market tall times closely in touch with er market situation, says: easier tone in the butter market

mwelcome to all who are solicitut the future of the market. s generally conceded that lower ons would be a boon to the but-ustry, and that the avoidance of er advance, which threatened a weeks ago, has headed off trouwould have been felt through

ainder of the year. ything considered, butter is a fair has been so much better than d when the season opened, that icer certainly feels satisfied.

consumer, too, has liked the price, lence being found in the fact that ption of butter is fully one-third In this territory than it was last this time. Most of the fine butuced in July and so far this month e into consumptive channels.

we are at the danger point. The of oleomargarine firms have, beof late prices, been active among ilers, and a further advance would elped them enormously. On the and, a weaker tone lessens the of their efforts, and a decline of at this time would practically their work. Later, when the time that that consumers expect to pay or butter, advances are less into the trade.

year the high prices, in June ore a large share of the consumoleomargarine. Prices continued ance at the time when the whole ptive demand should have been er. Consumers were driven away flush season of butter production d not come back.

year, with the prices satisfacconsumers, the output of oleo-ine in July was 30 per cent less that month last year, and as percentage of decrease oppeared

Pute Sires as Herd Builders.

heat man-I believe it was Darhas once intending to punish dildren for some little crime or they had committed. But when

# The Range With a Reputation

See This Range at Local Dealers Before Buying

If anyone asked you to buy a team of horses "unsight, unseen," from a mere printed description you would think he intended to "sting" you. Now there is no more sense in buying a range "unsight, unseen" than there is in buying a range "unsight, unseen" than there is in buying a range "unsight, unseen" than there is in buying a range "unsight, unseen" than there is in buying a range "unsight, unseen" than there is in buying a range "unsight, unseen" than there is in buying a range "unsight, unseen to the large of the New England States. Possibly one of your neighbors has been using one for years—and is thoroughly satisfied.

If not, there is a dealer somewhere in your carty who sells them—and it will pay you to drive em extra ten miles, if need be, to see and carefully examine the Great Majestic—the range with a rep-utation—built on honor—of the best materials—be-

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You don't buy a range every day, or indeed,
every year, and when you do you want the best
your money can procuse—that's the

# Great Majest Maileable and Charcoal Iron

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It is the only range made entirely of malleable fron and charcoal fron. Charcoal fron won't rust like steel-mal-babbe from can't break, and while the first cost of a Great Majestic may be more than some Other ranges, it entures three erdinery ranges.

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All Copper Reservoir — Against Fire Bex reservoir is all copper and heats like a tea kettle through a stamped from one piece of copper, setting against left hand lin. It boils is gallons of water in a very few moments and by tare frame and reservoir are moved away from the fire. This feat d and is used only in the Majestic.

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on of prevents the floor from catching on fire and the ask one shat would otherwise fall to the floor.

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couldn't in this manner remove the cause. He would simply add by punishment—just one more crime to the list. He realized that a man comes into this world with absolute disregard to any wishes he might have. Then, as soon as he is born, his surroundings begin to shape him. But man can, to a certain extent, pick his surroundings, his environment, you say. This is true, but this desire, the ambition or energy to "pick" are all effects. They have a cause. In seeking this cause we become involved in a study of heredity.

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It is evident that in selecting any kind of animal to perpetuate his kind we should know much more than is evident from his looks. We must look back over the ancestors, as we would over a map, and study them. Thus, in selecting a dairy sire, we casually require constitution, capacity, nervous temperament, masculinity, a large and correct circulatory system. We then delve into the study of pedigree and records. We look for large milk records. We demand purity of breeding, because we know that, as far as the next generation is concerned, these "effects" will in turn become "causes."

H. B. Walter writes from Rochester, Minn., where he is confined in a hospital, that himself and H. C. Graner of Lancaster, Kausas, bought the top boar in the Prander sale held at Clarinda, Iowa, reently. Mr. Walter also bought a Giantess fall yearling open gilt in the same sale. She is to be bred to the great Expansive. Mr. Graner bought a sow on the circuit bred to A. Wonder. Remember the H. B. Walter fall sale to be held November 1, and H. C. Graners the day following. Mr. Walter authorizes us to claim Jan. 5th for his bred sow sale. Top Iewa Boar to Kansas.

# the time came to inflict the punishment he hesitated. It occurred to him that he Bovee Furnaces at Manufacturer's Prices

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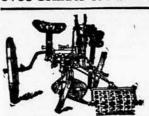
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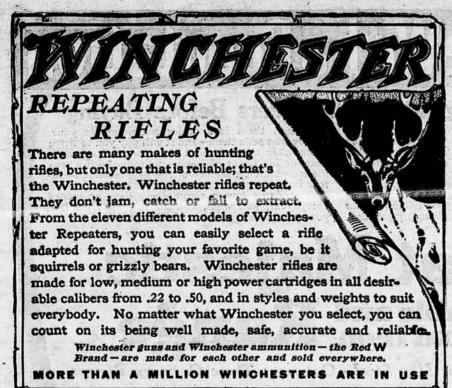
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# OULTR

Beans are highly nitrogenous and make an excellent food for the fowls. So also are peas and will be relished by the chickens as a change in their diet.

Sour food should never be allowed to remain in the feeding pans from one meal to another. Sour feed is dangerous, especially during extra warm weather.

When the hen shows a pale head and is sluggish, indigestion is at fault. Unless too far gone, a change to a grass run will be beneficial.

Surplus stock should be converted into cash at the earliets profitable oppor-tunity. Money talks, but it doesn't eat its head off or die of cholera or roup or some other ailment prevalent among fowls.

A surplus rooster is an expensive ornament in the poultry yard. Kill him off or sell him before he eats double his value in food and robs the hens of their

There is no reason why the farmer should not at least keep his own table supplied with baked, fried or broiled chicken. Chicken meat is often cheaper than any other and is much handier.

Lice play havoc among the fowls at this time of year and they are not in-spected for these pests as often as they should be. Lice Keep the young chicks from growing and the old hens from lay-

Not enough importance is placed on the value of good air-slaked lime for use in the poultry house and on the runs. Properly used, the lime is of great sanitary value. It will counteract disagreeable odors. A free use of air-slaked lime on chicken runs where gaps prevail is exceedingly benefits. Its use no doubt also destroys other germs and bacilli. The wise poultryman will always have a good supply of lime on hand and use it both inside and out of his poultry houses.

### Buy Your Stock Now.

If you are contemplating starting in the fancy poultry business next spring, don't wait till that time to buy your stock. So many wait till the last moment before buying their stock that it is an annoyance to themselves as well as the breeder to be told that he has no stock for sale. Here are some of the advantages of buying June bred poultry

at the present time.

1. The breeder has a larger stock on hand than he will have in the spring. He has more birds than he can properly accommodate now, and will "thin out" at a sacrifice.

3. As business is dull with the poultry fancier at this time of the year, he is more auxious to sell and will do bet-

ter by you.
4. If he is compelled to keep his stock over till spring, he will add the extra expense to the birds, and if eggs for hatching are in demand, he will not sell

at any price.
5. In the spring the pens are mated up, and the careful breeder will not

break up his matings.

6. Hens and pullets, of any breed, are seldom to be had in the spring.

7. By buying young birds now, you may get the very best, for the best cannot be picked out till they are fully metired. matured.

8. Cockerels are in excess now. You cannot find a better time than the present to secure one.

### How Eggs Are Inspected.

The inspection of eggs is more thorough than it used to be some years ago. The law compelling the candling of eggs by buyers and the penalty for selling rotten eggs has made the sellers more careful about offering stale eggs for sale, still the candling process is more rigid than ever.

Eggs used to be purchased by large dealers in two ways; so much per dozen "case count," or so much per dozen, "subject to candling." "Case count," means just as they run in the cases, a full case containing 30 dozen eggs. "Subject to containing 30 dozen eggs. "Subject to candling," means payment for eggs that pass the candling inspector and are

therefore classed as good. method is the only way eggs and method is the only way eggs and method. In candi the inspector has a small, de room. He sets three cases be room. He sets three cases beta about the height of a table. In ter is a case full of eggs, on eit cases into which to deposit "sh and "freshes." Near by is a c"rots" and "spots" and anoth "cracks." On the case from which spects is a candle and behind it cloth hung on the wall. He pick eggs in his left hand takes two right hand, and holds them close candle, juggling them before the candle, juggling them before the and in a moment he has them so

The way he determines the ageg is by the ring he sees throshell. Every fresh egg has a space at the top. When the month old, the albumen become month old, the albumen becomes ly thin and watery and the ail is still more watery and the rome down further. A month longer and the ring is almost center of the egg, and it is pret to be bad. "Cracks" are ess tected in candling. In shippin those even very slightly cracked aside, for they would be sure to aside, for they would be sure to tected by the inspector at the of and thrown out, to the loss shipper.

When the albumen of an egg t watery, the yolk floats up and egg lies long, it will stick to the When an egg of this kind comes the candle, it shows a dark spot the shell and is called a "spot prot is often the result of ane spot is often the result of an eg for some time on the damp grain a wet nest. Sometimes the looks strangely mottled or freekle held against the candle. This is sult of having been packed in old-fashioned custom still in vo some farms. It injures the sale whenever detected, as buyers do to buy salted or limed eggs it days of cold storage. An insper pick out an egg that has been cold storage by its pale or fade and can tall a salted egg by and can tell a salted egg by the being near the center of the egg.

In the summer inspection, often open a case of eggs to find hatched chickens peeping within case may have stood on the sor on the country station platfer the sum for days and the best had been a sum for days and the best had been the sum for days and the best had been the sum for days and the best had been the sum for days and the best had been the sum for days and the best had been the sum for days and the best had been the summer and the best had been the summer inspection, or find the summer inspection in the summer inspec the sun for days, and the heat is would not happen if farmers we arate the males from the femal keep them apart after the breed son is over and they would mak money out of their eggs by the keeping qualities of them. Some tors use electricity in inspecting and several kind of patent egs are on the market, but the old-fa way of inspecting them by candle is said to be the more satis No more can the setting of eggs abandoned in the hay-mow be market and escape detection, or i eggs left in the incubator be cla fresh eggs, for the inspector sta guard to protect the buyer from a deceits. Gather your eggs often a to market every day is the on way to get the top-notch professed aggs. fresh eggs.

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The moulting hen is not necessarily a sick hen, but it is in that condition that neglect will so weaken it that disease will find an open door. See that they get plenty of nourishing food.

There are periods when the hens lay but few eggs, especially if they have done good service since the season opened. Such an occurrence does not indicate ed. Such an occurrence does not indicate that they will be no longer profitable, but that they are recuperating. Some hens begin to sit, and when brooding the chicks they come again into good laying condition, as may be noticed if such hens be observed, for they lay steadily after abandoning the chicks. Rest from labor is essential, as no animal can produce compathing continually. The produce something continually. The hens that take resting spells are usu-ally the best in the flock. Most hens are now in molt and do not seem to be of much account, but after their new coat of feathers come they will go to laying in earnest and will make up for the time lost in resting-

### Changeable Weather.

The sudden changes of the weather usual at this season of the year should be guarded against by the careful poul-try breeder. The first cool weather is apt to bring on roup, which is usually caused by dampness, drafts and sudden cold weather. See that the fowls on the roosts do not have the wind blowing on them in the night. Look to it that their yards are well drained, so that they are dry and sunny. If you are so unfortunate as to have roupy fowls, remove them to a warm room and feed them carefully with cooked rice, oats and cornmeal. With a little wooden paddle remove the pus from the tongue and mouth of the sick fowl; then, with a cotton wad, swab the mouth with peroxide of hydrogen. Repeat this once or twice or nydrogen. Repeat this once or twice a day for three or four days. In anticipation of cooler weather, the poultry houses ought to be put in proper condition. The windows should be repaned, the roof reshingled if necessary and all cracks battened up. The inside should be thoroughly cleaned, then whitewashed and made ready for permanent comments. and made ready for permanent occupa-iton during the long winter months. These details should not be left to the last moment, but should be done before the cold weather arrives, for if a cold spell catches one unprepared, he is apt to put his fowls into quarters that are not adapted for cold weather, and they are likely to get a severe spell of sickness before he is aware of it.

Keep the Hens Busy.

Keep the Hens Busy.

Every poultry writer in the land has told his readers day in and day out that exercise is necessary for the well being and well doing of laying hens. There is good sense and sound reason in this advice. While all work and no play makes Jack a dull boy, no work and idleness makes a good hen a non-porducing loafer. Fowls need plenty of exercise. When given their liberty they will wander for miles over the fields and hunt and dig for bugs and seeds and that is the time they lay the most eggs. The lazy hen is never the laying hen. Activity and proficiency go hand in hand. Activity and proficiency go hand in hand. It is, however, a sore trial to the poul-try keeper to keep his hens active in winter. The tendencies are entirely to-ward sluggishness upon the part of the fowls. Inactivity brings its own penal-ties. No animal organism can maintain health and virility without exercise. Such is not in the line of creation's manifest intent. Neither man nor the lower animals can expect a healthy digestion, normal liver or good general tone of the system without some hustling. The practical question arises, "What is the practical question arises, "What is the surest way to induce poultry to hustle and exercise?" We must not feed too heavily or make it too easy for the birds to get their food. They will not work unless obliged to, and in this particular are not unlike many human beings that we know. We must make them scratch for their living. One of the main points of the Philo system is to bury the wheat or oats in the ground several inches deep and let the hens dig it up, either in a sprouted condition or otherwise. We must make them scratch in a foot of straw or leaves for their in a foot of straw or leaves for their grain all winter. Also throw some large sized beef scraps among the litter. They will hunt and dig all day long for such delicacies and get the much-needed exercise at the same time. And this imparts the vigor and health that promote the egg production and vitality that gives us the greater amount of fertile eggs. Make them work for all that they get; only feed mash feed, table scraps and vegetables in the troughs; throw all the grain into a deep litter.





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Jones Brothers, Fret and Tease. If anything could queerer sound, I wish you'd tell me, please. Suppose, just for a moment, that

The teacher called your name, I wonder if you would be pleased, Or hide your head in shame. Suppose I question mother; Because, of course, she knows,

Would you be glad or sorry, dear? Now which, do you suppose? Pauline Frances Camp in The Housekeeper.

Salt added to starch makes the gloss on linen when it is ironed.

It is said that if a knife is thoroughly heated it will cut hot bread or cake

It is said that rubbing the hands with raw celery will remove any odor left after peeling onions.

It is said that the skins can be removed easily from walnuts if they are placed in cold water a few minutes as soon as the shells are removed.

It is said that an excellent way to bleach clothes is to put into the wash-boiler with them a few peach leaves tied in a piece of cheesecloth.

To Lengthen the Life of Pillow Slips.

Pillow slips which are made of tubing may be made to last longer by revers ing the seam end. When the sides are beginning to look thin, rip the seam and turn half way around so that the for-mer folds meet in the center and stitch up again. This gives a new surface for the heavier wear and practically doubles the service of the pillow slip.

A Persuasive Agent.

Mrs. Kallerinnes-Oh, I see you have

Mrs. Kallerinnes—Oh, I see you have bought a fireless cooker.

Mrs. Yungwif—Yes, I bought it today.
I told the agent I was going away for three months and wouldn't get a cooker till I came back, but, when he told me how nice it would be to put some eggs in it just before I left and find in their places splendid, piping-hot roast chickens when I returned, I just couldn't help yielding to the temptation.

In No Hurry.

Once three men were to be hung, an Englishman, an Irishman and a Scotchman. The judge told them that they might choose the tree that they would prefer to be hung on.
"What kind of a tree do you prefer?"

hs asked the Englishman.

"An oak, sir."

"What kind will you have?" to the Scotchman. "A cedar, sir."

"What kind will you take, Pat?" "Faith, and Oi'll take the gooseburrey tree, sir."

"Oh, that won't do, Pat. A goose-berry is too small."

"Faith, thin, and Oi'll wait till it grows."—Holland's.

The Head Poise.

Do you sigh to be called a stylish-looking woman? Consider the poise of your head. You may have taste and money to gratify it, but you will never show off your clothes if you turtle your head, thrust out your chin, carry your neck to one side or draw your chin back until your whole body and carriage is rigid. A Frenchwoman when asked why her countrywomen usually had such finely poised heads said it was because they were taught to show the tops of their collars. Most of us hide our collar top, as the con-

dition of ruchings plainly shows. Try to remember the simple rule of showing the collar edge and you will quickly assume the head poise of a thoroughbred. If you have a double chin this rule holds doubly good. Don't think that by drawing in the rolls of flesh you diminish or conceal them.—American Home Monthly.

#### Stricken at Last.

"Oh, John," cried the farmer's wife, "I'm afraid I've taken that dreadful new disease."

"What makes you think so, dear?" he asked, alarmed, gathering the frail little woman into his arms and stroking the thinning hair, as she sobbed out the story of her fears upon his broad shoulder.

"Well," she explained, "after I have gotten up, dressed myself and the chil-

gotten up, dressed myself and the children, cooked breakfast, perpared the children for school, strained the new milk, and set it away to cool, churned and worked the butter, swept and dusted, done the ironing, given baby his bath, cooked dinner and washed the dishes, sewed all the afternoon, cooked supper and washed the dishes, undressed the children and put them to bed and sat down for the evening, I am too tired to do my darning. I never used to feel so. do my darning. I never used to feel so. It must be hookworm."—Puck.

#### 506-C. Design for Waist.

A dainty Clematis design for an embroidered frock, suitable for shadow embroidery. Stamped on 2½ yards of pure imported white linen, \$2.10; stamped on 2½ yards of pure ecru linen, \$1.85; stamped on 2 yards of 39-inch fine lawa



or nainsook, \$1.10; stamped on 2 yards of 39-inch voile, \$1.35; perforated pattern, 25c; transfer pattern, 10c.

1664-C. Design for Skirt Panel.

Stamped on 5 yards of 36-inch pure imported white linen, \$4.50; stamped on 5 yards of 36-inch pure ecru linen, \$3.85; stamped on 4 yards of 39-inch fine lawn or nainsook, \$2; stamped on 4 yards of 39-inch voile, \$2.75; perforated pattern. 25c; transfer pattern, 10c.

8952. Comfortable Frock for Little Miss.

Girl's dress with or without tucker. For cool days a guimpe or tucker will finish this frock satisfactorily, while for warm weather the short sleeves and round neck will be most desirable. Any of the materials now in vegue will deround neck will be most desirable. Any of the materials now in vogue will develop the design suitably. As here shown blue linon was used, with a simple finish of stitching and a black belt for contrast and ornamentation. The pattern is cut in four sizes, 4, 6, 8 and 10 years. It requires 4½ yards of 24-inch mater ife,

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Al Short Course in connection with regcourse at Kansas State Agricultural
ge, Foll term begins Sept. 5, but stuge, Foll term begins For catalog
a may enter at any time. For catalog
Took Box E. ress. L. W. NUTTER, Pres., Lock Box E.



rial for the 8 year size for the dress, and 11/4 yards of 32-inch material for the tucker. A pattern of this illustration



mailed to any address on receipt of 10 cents in silver or stamps.

No. 8. Water Color Outfit.

This up-to-date outfit consists of eight water colors (the very best for photographs, drawings, leather novelties, burnt wood articles), one camel hair quilt brush, two mixing cups, one chart show-ing the harmony of colors together with valuable instructions, seven perforated

and have left a good margin of profit, if grown at home. The writer does not wish to advise indiscriminate planting, but there is hardly a school district that could not afford one or two small orchards. Most orchardists are inclined to get into this work too heavily at first. The small, well kept orchard of, say, 5 to 10 acres, will yield more barrels of first-class fruit than 40 acres handled according to the usual method. And it is the small orchard which the great mass of Kansas farmers are interested in. For 50 years, or since the settle-ment of the state, orchardists have been growing fruit in the state, so that now it is possible for beginners to plant of those sorts that are suitable to Kansas conditions. It has been demonstrated just what sorts are suited for certain communities; also what location is best adapted.

An immense amount of nursery stock is planted every season, but in too many cases little judgment is used. Many wait until the last moment to place their orders, so that the desirable sorts are not to be hed. Others desirable sorts are not to be had. Others do not get their ground in suitable condition. The present seain suitable condition. The present season is a good example to illustrate the benefits of proper preparation. Where the ground has been well worked and trees planted early in the spring, little loss was experienced, while on the other hand, those trees that were planted late and in soil improperly prepared, the per cent of loss was quite high, for which the nursery man is receiving more than his share of blame.

To those that are contemplating the planting of trees next spring, it is well to have in mind in advance a few of the principal points. Select the best location that the farm affords. Do not allow the trees in a location where the plant the trees in a location where the air drainage is retarded. It is not safe to plant in narrow creek bottoms, but plant on well drained upland. The slope



patterns of floral and fruit designs, five patterns of stencils and all necessary materials for transferring perforated pat-terns; the whole packed in a very neat tin box. With this outfit any adult or child can pass many pleasant and instructive hours. Price, postpaid, 60 cents.

Why Not Plant More Orchards?

Just at the present time there is more interest in the securing of the supply of apples for the coming winter than the thought of planting trees for future use. There are comparatively few places in Kansas where the supply of apples is now equal to the demand, even

in years of plenty.

Even with this condition little interest is being taken by farmers who are quite favorably located, and in some places many orchards that were approaching maturity have been removed that the owner might grow more grain or forage crops. At the present time the demand is greater, and the con-sumers are better able to pay good prices than ever. Much is being written as to the possibilities of the west and north-west. Newspapers are carrying much advertising matter to that effect, while here in our own community it is possible to secure almost as good results if we would but make the effort.

In traveling about the state I am led to believe that the productive capacity of our orchards has greatly de-preciated during the past ten years. Few new orchards are being planted, the old ones have served their period of usefulness and from present appearances, if we do not have a shortage of fruit in the near future, it will not be the fault of the local growers, but due to the more successful neighbors in the west and northwest.

During the past season many apples have been shipped in to our local markets. The transportation charges alone would have paid all the cost of growing

does not make so much difference, but avoid step hillsides fronting south and southwesterly. See to it that the upland is fall plowed and in shape to plant early in the spring. Use care in selecting your stock, particularly with reference to your varieties. Place the order with a reputable firm and get the order in early. order in early.

The writer will be pleased to hear from farmers who are expecting to plant an orchard next spring and suggestions will be sent free upon request. Where personal visits are necessary, the party requesting the same will be expected to heav traveling expenses incurred while pay traveling expenses incurred while making the visit.—C. V. Halsinger, Horticulturist, Kansas Experiment Station.

The farmer who owns his farm, is the particular person who is fixed. Banks may fail and factories close, workmen strike and mines suspend, merchants fail and towns burn, times may be panicky and even crops may be short—but the farmer who owns his acres will get along. He will live in comfort and quiet with plenty to eat, drink and wear. the most independent man on earth. Yet there are lots of them who do not appreciate their situation.

Never feed whole grains to chickens from a trough. The stronger and the bolder will get more than their share and more than is good for them, while the weaker ones will be underfed. Scatter all grain over as wide an area as possible. If in narrow quarters, go to some pains to bury it in straw or litter or even to sow it several inches deep in the ground.

In feeding mash, give as much variety as possible, always using cornmeal and bran, together with some kind of cook-

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Every time you decide to have a new
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This is how you do it. Suesine Silk costs but 39'ca yard

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they can buy.

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are on every yard. Beware of accepting substitutes.

These substitutes are finished

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These substitutes are finished with glue, to make them glossy, and are weighted with tin and iron dust to give them "body". They look beautiful at first. A few months' wear will prove them worthless. Insist upon the genuine Suesine Silk with the name stamped along

We will send you absolutely free, forty - two samples of Sussine Silk — more than 255 square inches altogether.

We ask only, that, when writing for these free samples, you will mention the name of your regular dry goods dealer, and say whether he sells Sue-sine Silk or not. Please be sure to give that information in writing to us, No matter where you live, it is easy to get genuine Suesine Silk

We do not sell Sussine Silk except through regular re-tall merchants. But if we cannot send you the name and address of a dealer in your vicinity who has Sussine Silk, we will see that your order is filled at the same price, and just as conveniently, by a reliable retail house, if you en-close color sample and price, 39c. per yard. The price of Sussine Silk in CANADA is 50c a yard

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JAP ROSE "The Bubble Bath Soap

is unequalled for cleansing your skin because it is the original, transparent Toilet and Bath Soap and is absolutely pure. Because it is made of vegetable oils, it cleanses instantly, thoroughly and refreshingly. For genuine pleasure and satisfaction insist on getting

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If you use full strength spices-Tone Bros.-you get full value for every cent. But it is simple arithmetic that if you use inferior spices of half strength, you lose half your money. Study spice economy and buy

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Stock carefully selected, then thoroughly cleaned to give you full weight of actual spice. Ground by up-to-date machinery, and then into scaled

by up-to-date machinery, and then into scaled boxes that keep the strength. That's spice—better isn't possible. Look for the cannon on the box, and you'll be right.

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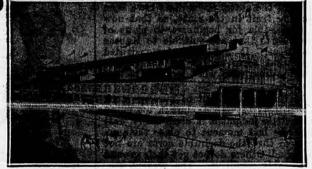
If he can't supply you, send 10c for full size box, TONE BROS., Des Moines, la.

Blenders of the famous OLD GOLDEN COPPER.

# Oklahoma State Fair Oklahoma City, Okla. Sept. 26 to Oct. 7, 1911

\$47,259.50 In Cash **Premiums** And Purses

Cattle, \$6,861. Heavy Horses, \$3,813. Horse Show, \$3,000. Sheep \$1,217. Swine, \$2,139. Poultry, \$2,124.



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If you are in business for profit, reserve stalls and pens at once. Write to-day for premium book, entry blanks and any other information. Entries close Sept. 25. Half a million people are coming to see what you have to sell.

I. S. MAHAN, Secretary, OKLAHOMA CITY, OKLA.

# **Poland China Sale**

Pilot Grove, Mo., Sept. 14th, 1911

10 tried brood sows, all large type and bred. 25 fall yearling gilts, all bred to Mount Vernon Hadley, my herd boar. 8 fall boars, sired by Big Designer, and 7 spring boars sired by John Wonder. My sows are all large type; some of them cost me over \$300. The offering is the best I have on the farm. Send for my catalogue.

# Am Selling the Best

Arrange to attend my sale and you will not be displeased. I have bought the best I could buy from many of the good herds, and I am selling a bunch that I know are good. If you cannot attend, send bids to O. W. Devine, representing the Kansas Farmer. For catalogue apply to

BERT HARRIMAN Pilot Grove, Missouri

# THE GREGORY FARM

Of White Hall, Green Co. III.

Will show their string of Percheron horses and their Berkshire hogs at Topeka and St. Joe fairs.

Don't fail to see their grand string of Percherons. A large number will be mares and colts by the great stallions Radziwill and the grand champion Car-

A number of these mares, bred to these great stallions, will be sold on November 8, at the annual Percheron sale, held at the Gregory farm. The Berkshires will be mostly the get of Masterpiece.

W. S. CORSA, PROP.

Mr. W. V. Hoppe of Stella, Neb., writes that he has sold his herd boar Looks Reserve to Mr. Bunnell of Atchison, and asks us to make change in advertisement. He states further that he attended the Pfander sale recently held in Iowa and bought a boar sired by Mastadon Wonder,

he by A. Wonder. His dam was Giantess first by Long King. Mr. Hoppe makes the statement that Looks Reserve is one of the great sires of the West and says he was rather hasty in letting him go. Remember the Hoppe sale at Fall City, Neb., Oct. 28th.

# The GRANGE

Agriculture in School

The Grange fully indorses the following, as it is the doctrine the Grange has been advocating for 35 years:

A late bulletin of the Illinois Farmers'

Institute makes an urgent plea for the teaching of matters pertaining to farming in the country schools, contending that the whole trend of the present school system is to fit boys and girls exclusively for city life, with no attention to preparing them for life on the farm. A paragraph is worthy of quotation: tation:

"Shall farm boys become farmers wholly through the aid of self-educated farmers, taught in the school of experience, be that ever so good, or shall the farm school aid these parents, through scientific knowledge that has already passed into written form? Schools have been so have producing great men at been so busy producing great men at the top of every other calling that they have failed to administer the simplest facts of agriculture to these actual till-

ers of the soil.

"The sentiment in my county now favors emphasizing in the one-room school the fact that the business of the farm is as worthy of study as is the business of the city; that a trial bal-ance of feed rations requires as much skill as the trial balance of bookkeeping, and that to work for \$25 or \$30 a month and call it a wage is more remunerating and just as worthy as to stand behind a counter for \$10 or \$12 a week and call it a salary."

Farming Calls for Knowledge.

One of the points most emphasized by National Lecturer Wilson in his recent talks to the members of the Grange in Kansas is the fact that the farmer needs education more than anything else. Not that he needs it more than anyone else, but because there is more science in farming than in any other business today. Then, too, the science of farming is constantly changing, the same as in other lines. Medical science is a good illustration. The methods that killed or cured years ago are not thought of to-

day.

A farmer should know something about botany in order to understand plants. He should be a chemist to understand the chemistry of the soil, and an entomologist to understand and know how to combat the insects that destroy

his crops.

What Mr. Wilson says is true beyond the shadow of a doubt. Of course, it is true, too, that only a comparatively few farmers have had an opportunity to attend the Agricultural College, and, much as they would like to do so, many young men on the farm will not be able to do so. But there is no reason why the farmer, young, middle aged or old, should not secure a liberal education along practical lines in this day of good, cheap literature. We maintain that a man may secure information of as much, or more, value to him by carefully reading the well edited agricultural papers of his state or section of the country as by a course in the Agricultural College. We do not maintain that the Kansas

Farmer is the only good agricultural paper published, but we do know that any farmer who will carefully look through the 52 copies of Kansas Farmer in a year cannot help finding articles written by men who out of their own expensives have been guessful along externing them. reinces have been successful along certain lines that will be worth many times the price of the paper to him. Too many people get the erroneous idea that "paper farming," as they are pleased to style it, amounts to nothing. We can all learn from the experiences of other way under the ers, and there is no other way under the sun that you can benefit your fellownan more than by giving him the be of your experience. Hundreds of articles written by successful farmers are published each year in Kansas Farm-We are seeking for this information all the time. The work of the great agricultural schools of this country has been worth millions of dollars to the farmer. Few, if any, have the time or land to spare upon which to experiment with seed, soil and conditions. The work of the agricultural experiment stations is for your good, and you get the benefit of all these things through the columns of the Kansas Farmer.

Now, it was not our purpose when we started out with this story to "toot our own horn," particularly, but the fact reremains that you cannot possibly get in any other way one-hundredth part as much information for your money as you get for only \$1 invested in a year's subscription to a good agricultural paper.



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complete in a beautiful velvet lined can warranted FIVE years; 1012 per fected model; HIGH and LOW picking quick change to A; new horn and likest improved valves; light action and easy to blow; triple sliver plated with burnished bell and tips; case of hand some black seal Keratol and lined with the slike plush. Entire \$22.5 payable in Monthly term outfit complete, only....\$22.5 payable in Monthly term if Desired; ALSO A FREE COMPLETE INSTRUCTION BOOK AN CERTIFICATE FOR 50 FREE LES SONS.

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TEAD RELINQUISHMENTS AND bds in famous Arkansas Valley of Act quickly. G. W. Keller, Colo.

ALE OR TRADE—LAND TRADE I for all or any part of \$25,000 stock; up to date. What have fshorn Millinery Co., 618 Felix st., h, Mo.

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WANTED—WE HAVE DIRECT Don't pay commission. Write de-roperty, naming lowest price. We ets locate desirable property free. Investment Association, 43 Palace meapolis, Minn.

R, IDAHO, OFFERS WONDERFUL lies for farmers, investors, stock-fruitgrowers. Spiendid climate, re-fraction and illustrated literature Address Weiser Commercial Club,

RE FARM, 2½ MILES FROM Butler Co., Kan.; 65 a, in cult., 71 meadow; small orchard, plenty of the state of the tarch cave, barn 30x40 with hay harv, hen house, burgy shed; well the wire and hedge; for quick sale ness; \$1,000. H. H. Bersie, Eldon.

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section prairie land, unimproved,
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are; 3 miles from Wheatley; price
or general good timber, balance
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ti; good timber; price \$30; easy
J.G.Reinsch, owner, Stuttgart, Ark.

# CATTLE.

TEINS FOR SALE—TWO REGIS-earling bulls raised in Western Fifty dollars each. Ira Hawkins,

SALE SALE DOUBLE STANDARD by the ment herd bull: Lord Victor X[50]; sire Lord Mayor, dam Victor And and all right; priced reaFrank Michael, Erie, Kan.

FOR SALE—FINE REGISTERED JER-sey cow; heavy milker and high test; will sell cheap for immediate sale; write for full information and price. Address A. R. T., Kansas Farmer, Topeka, Kan.

JERSEY CATTLE, COLLIES, POLAND Chines and White Wyandottes; one Scotch Colle pup, female, 6 months old, partly trained, nicely marked, natural heeler, \$15. U. A. Gore. Seward, Kan.

#### POULTRY.

BARRED ROCK BABIES AND BREED-era, Eggs, 15, \$1.00; 50, \$3.25; 100, \$5.00; Mrs. D. M. Gillespie, Clay Center, Kan.

BOSE COMB WHITE LEGHORN COCK-erels, 50 cents. Mrs. John Hill, Vinland, Kans.

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

SILVER SPANGLED HAMBURGS EX-lusively: nothing better. J. L. Brown, Box 8, Kearney, Neb.

WHITE WYANDOTTE COCKERELS, \$1 each; three for \$2.50. Geo. E. Gould, Bluff City, Kan.

WHITE PEKIN DUCKS: 125 TO PICK from; 10 weeks old; weigh 5 to 6 lbs; satisfaction guaranteed; \$1 each. J. T. Welch, Whitewater, Kan.

S. C. R. I. REDS, STOCK AND EGGS FOR sale in season, Write for prices, Moore, 239 Larimer Ave., Wichita,

LOWEST PRICES ON CHICKENS AND ducks; write us your wants; we have a stamp. J. M. Rahn & Son, Clarinda, Ia., Route 15.

BUFF WYANDOTTES—BARGAIN PRI-ces 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.

BLAKER'S BARRED ROCKS ARE SU-preme in type and color, winning at the largest shows. Get my catalog and see for yourself the grand quality I am offering in eggs from blue blood stock. Choice incu-bator eggs \$2 per 30, \$6 per 100. A. E. Blaker, R, 22, Parsons, Kan,

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COLLIES: 100, PUFPIES, BROOD bitches and broke male dogs, W. R. Watson, Oakland, Iowa.

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.

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FOR SALE CHEAP—22 H.-P. 5-PASSENger Buick. Write W. C. Macy, Woodston, Kan.

FOR SALE—RAMS OF THE DORSET, Hampshire, Southdown and Rambouillet breeds. Animal Husbandry Department. Kansas State Agricultural College, Man-hattan, Kan.

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kof wheat, \$1.40 per bushel; sacked, f. o. b. cars here. Henderson Long, Haddam, Kan.

SEED WHEAT, CRIMEAN VARIETY, good quality; write for sample. Alva Alexander, Protection, Kan.

SEED WHEAT FOR SALE, GARDEN Kharhoff wheat at \$1.25 per bushel. C. W. Taylor, Pearl, Kans.

FOR SALE—PURE KHARKOV SEED wheat, \$1.50 per bu.; alfalfa seed, \$10.00. Recleaned and sacked, F. O. B., Emmett, Kan. Mrs. Theodore Saxon.

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Men are the greatest factor than go to build agricultural wealth and to secure bright, energetic men to the farm we must win the height, pushing boys over to the idea that there is more to the farming business than mere drudgery and dollar-getting. Live stock breeding and growing, which it is conceded requires the highest class of mental equipment, will appeal to our bright tal equipment, will appeal to our bright farm boys as being a game worthy of their effort, and when we get them to see that there is something on the farm that requires their every faculty in its masrequires the future greatness of the ru-ral south will be assured, because the place that the bright, cultured men and women call home will never be saffened to retrograde.

The Grange of the Future.

The Grange was originally organized for the purpose of aiding the farmers to sell for more and buy for less, but the order has greatly increased the field of its labor since then. It has proved a great benefit to the farmers and has great benefit to the farmers and has given them a much greater influence in their communities.

Conditions are changing and the Grange of the future must face them. The consumer is calling for better and more varied products. The New Eng-land farmer must meet the competition of the new land of the great west. He must practice intensive farming. He must have a better distribution of his products. The farmer and the consumer must be brought nearer together. The Grange of the future must work less for the benefit of the individual and more for the benefit of the whole community. The Grange must become a national rather than a sectional organization. The Grange must stand for the farmer and fight the farmer's battle. It must be a studying organization. It should be care-ful to know what it is doing and what the effect of what it does will be. The time is coming when the true test of the Grange will be what it does or has done for the community. The Grange of tomorrow must be aggressive and work outside of the Grange for the re-forms advocated in the Grange. It must also work out a better method of

Human Side of Rural Life Problem.

The human side of the rural life problem is to make the career of the problem is to make the career of the farmer and the career of the farm tive as corresponding careers in the laborer as attractive and remuneracity. Now, I am well aware that the farmer must himself take the lead in bringing this about. It is absurd to think that any man who has studied the subject only theoretically is 6t to the subject only theoretically is fit to direct those who practically work at the matter. But I wish to insist that it is pernicious absurdity for the practical man to refuse to benefit by the work of

One reason why the great business men of today—the great industrial lead-ers—have gone ahead, while the farmer has tended to sag behind the others, is that they are far more willing and, indeed, eager, to profit by expert and technical knowledge—the knowledge that can only come as a result of the highest education. From railways to factories no great industrial concern can nowadays be carried on save by the aid of a swarm of men who have received a high technical education in chemistry, in engineering and in electricity, in one or more of scores of special subjects.

In just the same way the farmers should benefit by the advice of the technical men who have been trained in phases of the very work the farmer does. During the last half century we have begun to develop a system of agricultual education at once practical and scientific, and we must go on developing it. But, after developing it, it must be used.

It is certain that the well equipped farm of the future will have a stationary gasoline engine to serve as the "man of all work." Such engine is usually thought of in connection with feed grinding, pumping water, cutting ensilage, etc., but one other important utility is that of operating a small dynamo for house and barn lighting. Manufacturers, with a keen eye to business, are already de-voting much attention to lighting farm buildings by electricity and electrical apparatus particularly adapted to such purpose is already on the market. This season brings to the farm owner a complete, yet very simple, outfit for sup-plying electric lights to farm buildings, which is easier to operate and take care of than an automobile or ordinary farm machinery. It enables him to do away with oil lamps, lanterns and candles, which are inconvenient, a nuisance and a constant fire danger.



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FOR SALE—Ruby's Financial Count, son of Financial Count No. 61316; the dam is Ruby's Fontaine No. 212934, a 45-pound cow recently sold for \$350; gave 45 pounds of milk per day with second calf, milk testing 5½ 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 5½ per cent. The dam and grand dam of this cow re 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 Pinancial 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.

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With big quality, good, big husky spring boars; also October, 1910, boars; a number of herd headers sired by Jumbo Prospect, who weighs 850 lbs. in every-day dothes. Also some by Wonderful and other good boars. Will also sell Wonderful, that great good yearling. Send for pictures of both boars, also prices.

ERNEST W. BEERY, Shambaugh, Iowa., R. F. D. No. 2.

Mastodon Poland China hogs, the big-boled type that will weigh, when mature, too to 1,000 lbs.; Mastodon Price, sired by A Wonder, leads this herd. A number of select fall boars for sale, also toppy spring boars. If you want the right kind they are at Quality Ridge Farm. Phone me at Dearborn, Mo; Railroad Station, New Market, Mo. Satisfaction guaranteed; stock sold worth the money.

Address CLARENCE DEAN, Weston, Mo.

FOR SALE OKLA. RANCH, \$20 A., BECKHAM CO.; county seat town; about 3,500; fair improvements; 4 r. house, 2 barns, 2 wells, 2 orchards, 240 a. in cultivation, 25 a. good alfalfa; all alfalfa and wheat land. 4 mi. from R. R. town, 2 mi. from school, close to church; all fenced; 80 a. pasture with plenty living water. Price \$35 per a., which is dirt cheap. Terms given. Write quick for this.

L. C. THOMPSON & CO., 201 E. Douglas St., Wichita, Kan.

LONE ELM POLAND CHINA HERD

J. M. Pemberton, Fayette, Mo.

Breeder of big-boned, high-class Poland China hogs.

A lot of very high-class February and March pigs for sale; can furnish no kin; all stock guaranteed as represented; also safe delivery at your station, and will be sold worth the money. 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 tries no kin, also a few extra good sows and glits either bred or open. Our prices are right, Write DR. JNO. GILDOW & SONS, Jamesport, Mc.

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.

#### FOR SALE

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HINA

11 extra-good Poland China boars of March and April farrow by A. L.'s Hadley, by Big Hadley's Likeness and out of a good, useful lot of sows; from \$20 to \$35. ful lot of sows; from \$20 to \$35.
A. L. ALBRIGHT, Waterville, Kan.

Meisner's Big Smooth Poland Chinas headed by Metal's Choice by Mo, Metal, he by Hell 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 podigrees. Visitors welcome.

best kind of Dis welcome.
Welcome.
T. J. MEISNER, Sabetha, Kansas.
POLAN

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.

# FAIRVIEW POLAND CHINAS

For sale, boars fit to head herds, sired by Big Hadley, Correct Thickset and Triple Ef-fect; also 90 choice spring pigs, For descrip-tion and price water l'. L. WARE & SON, Paola, Kan.

ANDERSON'S BIG TYPE POLANDS.

Headed by Clay Jumbo 54925, one of the best and biggest boars in Kansas; sows of equal merit; 70 good spring pigs to choose from. Write quick.

J. W. ANDERSON, Leonardville, Kan.

BIG-TYPE POLAND CHINA BOARS, Sired by Bell Expand; only the best re-served for breeders; also 5 choice Shorthorn bulls, Scotch and Scotch topped; inspection invited.

S. B. AMCOATS, Clay Center, Kan.



KING DARKNESS
No. 149999 heads my
herd of richly bred
Poland Chinas; a
few choice pigs sired
by him for sale;
also a few sows and
gilts bred for fall
inters, Write at
once.

F. J. MILLER. St. John, Kan.

BIG HADLEY, BIG HUTCH AND EXPAN-SION BLOOD

Predominate in my herd. Herd boars: liutch 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 lies Corwin, the dam of Expansion See, the biggest boar ever owned in the West. 30 choice pigs farrowed to date. Visitors always welcome,

C. W. JONES, Solomon, Kansas.

# 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 Boned Poland Chinas

Forty big, stretchy boars and gilts for sale sired by the most noted boars, Big Haddley, 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, Butler, Mo.

ROSE LAWN POLAND CHINAS.

ROSE LAWN POLAND URLINGS.

King Darkness by Meddler 2d, assisted by Shortgrass Meddler by Meddler 2d head my hord of richly bred Poland China sows.

A few spring gilts by On the Spot for male.

J. MANDERSCHEID, R. 3, St. John, Kan.

# 12 Strictly Big Type Boars

Sired by King Elmo, one of the biggest and smoothest Poland China boars living. Want to make room and will price these fall boars reasonable. Fall sale October 13. J. J. HARTMAN, Elmo, Kansas.

ROSE LAWN POLAND CHINAS. King Darkness by



Meddler 2d, assisted by Shortgrass Med-dler by Meddler 2d, head my herd of richly bred Poland China sows: a few

spring gilts by On the Spot for sale. E. J. MANDERSCHEID, R 3, St. John, Ks.

MOGUL HERD OF BIG SMOOTH POLANDS.

SMOOTH POLANDS.

Headed by Mogul Again by Old Mogul; sows in herd selected daughters of old Mogul, Hugh Corwin and other stres of like breeding; we have fixed and maintained the Mogul type and don't believe it can be improved upon; can show as big sows as the breed produces; we offer a fall boar that will make a great sire; also 65 choice spring pigs, both sexes; expenses paid if every claim is not made good.

CARL JENSEN & SON, Belleville, Kan.

EUREKA HERD POLANDS for sale; herd boar Hugo, sired by Mastadon Soth, dam by Lady Look, by Grand Look; low price. W. H. SALES, Simpson, Kan.

HOPPE'S BIG TYPE QUALITY POLANDS
The best of the big-type breeding; fed
for best results; sale at Falls City, Neb.,
October 28th.
W. V. HOPPE,
Stella, Neb.

REYSTEAD'S BIG-TYPE POLANDS LEAD
75 choice early farrowed pigs to select
from; the blood of Hutch, Commander and
other big sires; sows selected from many
leading herds.

A. R. REYSTEAD,
Mankato, Kan.

FREEDOM POLAND CHINA HERD.
The oldest head in Republic county; 70 choice spring pigs to select from, mostly sired by Ikey Longfellow, a mammoth boar descended from the Mouw breeding; pigs out of big, mature sows.

F. C. SWIERCINSKY, Belleville, Kan.

MAMMOTH HADLEY POLAND CHINAS.
60 choice spring pigs stred by Mammoth
Hadley and Grand Model, two as good sires
as can be found in the west; dams of pigs
carry the blood of nearly all big sires.
GEO. W. SMITH,
Burchard, Neb.

LAMBERT'S CORRECT TYPE POLANDS. Hended by Collossus X 2d; mated with big smooth sows; 50 choice spring pigs to choose from. JOSIAS LAMBERT, Smith Center, Kan.

Standard Poland China Record, membership and 13 volumns for sale cheap. C. H. Hay, Oswego, Kans.

POLAND CHINA records for sale; 1 share of stock and 21 vols, in Standard P. C. Record Asn. Reason, change of occupation. I. L. STRATTON, Ottawa, Kan.

HAMPSHIRE HOGS.

S. G. LAWSON'S HERD.
Bred sows and gilts for August and Sepmber farrow; spring pigs, both sexes, no
in; best breeding you can buy; worth the
ioney; all registered free.

G. S. LAWSON, Ravenwood, Mo.

SHROPSHIRE SHEEP.

ELLIOTT'S ROCKFORD BELLE FLOCK.
Rams for sale, from imported sires and dams; from the best Shropshire flocks in America; good type, shortlegged and broadbacked; also a few ewes; all to go at dry weather prices.

Write J. W. ELLIOTT, Pole, Mo.

Improved Chester Whites

OHIO IMPROVED CHESTERS

Am offering a choice lot of spring pigs, bred for size, bone and quality; young herds a specialty; write your wants; have an ex-Sfock & Grain Farm for Sale

Cheap for particulars write, R. W. GAGE, R. D. 5, Garnett, Kan.

# **MOSSE OF KANSAS** Kansas Herd of Improved Chester Whites. Grand Champion Sow Kansas State Fair.

ARTHUR MOSSE. R. D. 5. Leavenworth, Kansas.

# WORLD'S FAIR O. I. C's

We sell blood of the World's Fair Grand Champion and other famous winners, Write for prices on spring pigs and bred sows, Ad-dress

L. L. FROST, Box H. Mirabile, Mo.

O. I. C. SWINE.

Of both sexes from animals that combine size, quality and quick maturity; we carry the finest blood lines in America; prices reasonable; express prepaid.

J. F. HAYNES. Grantville, Kan.

PIPE CREEK O. I. C. HERD.

Herd established 30 years; all stock eligible to register; 100 choice spring pigs ready to ship; prices reasonable; all leading strains represented.

MILTON PENNOCK,

Delphos, Kan.

BRED GILTS \$25 to \$36 EACH,
20 fall gilts, big and smooth. Big type.
Good time to start herd. Write quick.
F. D. YOUNG,
Winchester, Kans.

# THE STRAY LIST

GUY G. ADAMS, County Clerk, Greeley County. Taken up—1 horse, male, sorrel, white strip in face, both hind legs and feet white; appraised value \$30.00; was taken up on the 15th day of June, 1911, by C. A. Mc-Allister, at Thelma, Tribune Township, Kan.

W. S. PLUMMER, County Clerk, Potta-watomie County. Taken up—3 head cattle, 2 heifers, 1 steer, red, whitefaced, coming two years old; right ear cut off, piece of upper edge of left ear cut out; were taken up on the 14th day of July, 1911, by Guy W. Carlson, Olsburg, Kans.

JOHN E. BARRETT, County Clerk, Woodson County; taken up by A. J. Trow-bridge, Yates Center, Kan., one hog, black, four white feet and white nose, on the 8th day of August, 1911.

JASPER T. KINCAID, County Clerk, Johnson county, taken up, by R. W. Victor, Gardner, Kan., one heifer, about 2 years old, fair-sized horns; color deep red; ap-praised value, \$24.00.

# BERKSHIRES

### LARGE ENGLISH BERKSHIRES

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

#### BERKSHIRE HOGS.

Baron Premeir 84th, Premier Duke 70054 and Ariful 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. can please you. JUNE K. KING & SON, Marshall, Missouri.

#### FIELD NOTES.

Volume 36 of the American Berkshire Record contains pedigree records numbered from 140,001 to 145,000, inclusive. This valuable work of reference is ready for distribution and may be had by addressing Secretary Frank S. Springer, Springfield, Ill.

The American Shorthorn Breeders' Association established its herd book in 1846 and has now issued volume 76, which contains a record of all animals calved before April 20, 1910, and accepted for registration. Bull numbers include 324001 to 333,000, and female numbers 70,001 to 81,000 of the new series. Secretary John W. Groves, Live Stock Record Bulldings, Union Stock Yards, Chicago, Ill., will furnish this volume under the rules of the association.

W. H. Sales, proprietor of the Eureka herd of Poland Chinas at Simpson, Kan, starts his advertisement in this issue. Mr. Sales offers to sell his herd boar Hugo, sired by Mastadon 86th, he by Longfellow B. His dam was Lady Look, by the prize winning boar Grand Look. This boar is a good sire and just in his prime, but Mr. Sales cannot use him longer and offers him at a bargain price.

One hundred head of choice Berkshires sell at \$7,590.50, an average on the entire herd of \$75.90. The great herd boar, Berryton Duke Jr., sold for \$500, going to Harpending Bros., Dundee, N. Y. The herd boar Charmer's Duke 20th, sold for \$425, going to J. F. Hobbs, Lawrence, Tenn. The 14 boars sold for \$1,395, and the 85 sows sold for \$6,195.50. A large crowd of breeders was in attendance from several states and the entire offering was bought by prominent eBrkshire breeders.

Milligan Herd Boars.

Mr. W. C. Milligan, Poland China breeder of Clay Center, Kansas, writes us that his yearling boar, purchased last winter from H. C. Graner of Lancaster, Kansas, has made a marvelous growth. He weighs close to 450 pounds, in mederate flesh and measures 57 inches heart girth, and has a 9 1-4 inch bone. This large magnificent young boar was sired by Guys Monarch, Graners big boar, and his dam was a 700-pound daughter of Bell Metal, who sold in the Graner sale for \$150. Mr. Milligan reports the pigs doing well. He has some good ones for sale at a reasonable figure. has some able figure.

Among the stables of fancy horses that will be seen at the St. Joseph Horse Show, September 25 to 30, are the following; Adolphus Busch III, St. Louis; Matt Cohen, Undulata stock farm, and Ball. Bros. of Kentucky; Mrs. A. A. Zion, W. F. Werbe, C. C. Smith and Benjamin Scott of Indianapolis; Miss Loula Long of Kansas City; O. J. Moores, Columbia, Mo.; Tom Bates of Mexico, Mo., Mrs. J. H. Parker and Don Riley of St. Joseph also are expected to take part in this exhibition. Dr. M. W. Steiner and Col. John Donovan have recently returned from these points and brought the entries from these stables. Both gentlemen are highly elated over the success of their trip, and state that it will be the finest collection of blooded saddle and driving horses ever seen in the west.

A Young and Successful Auctioneer.

This week we start advertising for Col. Mont. Orr, live stock and farm sales auctioneer of Belleville, Kan. Mr. Grr has had two years' experience in auctioneer work and has met with good success. — His father before him was a successful auctioneer and Mont has many natural qualifications. Besides this he is an excellent young man and full of activity. It is his ambition to become a high-class salesman, and he wants to get to it just as fast as possible. Realizing that it will take time, he is starting modestly and advertises that he will either work on the block selling or assist in the ring. Mr. Orr's sincerity of purpose will appeal to the best people and a talk with him will convince any one that he has made an extensive study of live stock. Besides this, he was reared on a farm and has been among stock all his life. It goes without saying that Mr. Orr will continue to develop and will soon rank with the leading auctioneers of the day. In the mean time, help him, and yourself more, by placing him on your next sale.

### W. A. Prewett Visited.

W. A. Prewett Visited.

W. A. Prewett, owner of the famous Sunny Ridge stock farm, was visited recently by a Kansas Farmer Fieldman. Mr. Prewett has recently erected one of the finest farm residences to be found in his county and already was the proud owner of as fine a barn as is often seen on a Kansas farm. These elegant improvements suggest to the writer the prosperity that is usually the heritage of the industrious farmer, who turns his attention to the breeding of pure bred stock. Mr. Prewett founded his herd of Poland China swine about eleven years ago and a few years later added Shorthorn cattle. While Mr. Prewett has carried on general farming he has never been known to cater to a scrub of any kind and the feeding cattle on his farm were always of the very best grade. It is a real pleasure, as it always has been, to visit at the Prewett heme, but the object of our trip was to see and write about the Poland Chinas. Mr. Prewett has at this time about 100 very choice spring pigs, most of them of early farrow. They are nearly all by Expansion Chief, Mr. Prewett's great breeding boar. A few litters by Big Sam and Jumbo, Jr. These litters are from sows by Smiths Big Hadley. Mr. Prewett will hold fall and winter sales, the dates of which are claimed in this issue.

# BARGAINS AND LANDS

# NESS COUNTY "SNAPS"

Write for our list of Special Bargains. We have accounty of Remember that Ness County adjoins the banner wheat county of ty map and literature mailed on request.

FLOYD & FLOYD, Ness City, Kansas.

GET MY list of a few choice bargains in Hamilton county, Kansas, land. Walter & Walter, Syracuse, Kan

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

IT'S FREE, Southeastern Kansas Home-seeker. If you want land send for it, Ad-dress THE ALLEN COUNTY INVESTMENT CO., Longton, Kansas.

LAND IN FORD COUNTY and the Southwest at \$4 per acre up. Wheat lands a specialty. 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 OR TRADE—Properties of all kinds. Lands \$15 to \$75 per acre. 40 years' residence. W. H. Kaltenbach, Toronto, Woodson Co., Kansas.

WANT LAND for a clean, strictly up-to-date stock of HARDWARE in Salina, invoice \$12,000. Monthly sales \$1,600.00. Cave Realty Co., Salina, Kans.

EASTERN KANSAS BARGAINS—Improved stock and grain farms; \$30 to \$65 per acre; write for list free.

J. E. CALVERT, Garnett, Kan.

DOLLARS PER ACRE UP TO \$25 buys best improved farms in Wichits county, Kansas. WHEAT BELT LAND CO., LEOTI, KAN.

CHOICE ALFALFA LAND, for sale of exchange. Exchange propositions are made a specialty. UNITED LAND COMPANY, 902 Schwuter Bidg., Wichita Kansas.

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

FINE HOME FARM, 320 acres, all perfect, soil No. 1, good imp., fine water; 3 mi. of 2 towns; near school, on fine auto road; half cult.; \$10,000; half cash; others to sult you. Owners' prices. Buxton Bros., Utica, Kan.

SOME OF THE FINEST FARMS in Kansas for \$30 to \$70 per a. Close to excellent town; raise corn, wheat, airlaira, all kinds of crops; fine water at 8 to 35 ft. Write for free list. W. C. ALFORD, Hazleton, Kans,

FOR SALE—Five sections of level farming land in the great rain belt of Colorado; soft water on each section; shallow water all over; one set of good improvements; fine colonization property. Write

J. L. RECTOR, Calhan, Kan,

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

J. C. WHARTON, McCracken, Kansas.

STAFFORD COUNTY, KANSAS. One of he best farming sections in the state; write he for descriptions and full particulars bout some of the fine farms I have for ale in this section; good crops all the time.

A. L. McMILLAN. Stafford, Kansas.

YOUNG MAN'S CHANCE—My improved eighty for sale. Don't need money, will carry reliable parties from 1-20 years. Tired of renting it. (Address) Owner, Care Kansas Farmer.

BARGAINS: 160 acres, 100 cultivated, 15 BARGAINS: 160 acres, 100 cultivated, 15 alfalfa, balance pasture. 5-room house, barn 24 by 32, shade and fruit, price \$8,500. \$1,000 cash, balance terms. All kinds and sizes in corn wheat and alfalfa belt. Write for free list.

W. G. STUDEBAKER,
Salina, Kan.

When writing advertisers, please mention KANSAS FARMER,

A FINE NESS COUNTY FARM.
640 acres, 1½ miles from town; ½ mile
to school; 500 acres smooth, bal. good
pasture; never failing spring, also good
well; 4 miles of fence; 300 acres in cult.;
land all clear; will trade for good, clean
stock of mdse.; price \$20 per acre.
RUTHERFORD & OLIVER, Utica, Kan.

#### RENTING STOP

Here are 160 acres 8 miles Fall River, Kansas, 85 acres cultivation, balance native grass; 3-room house, common stables, orchard, good water, close schoot; this farm lies in nice valley; cash price \$4,000; will take \$1,000 in good work and driving teams as part pay. W. A. Nelson, Fall River, Greenwood County, Kansas.

Sell or Trade Co. farm to trade for western Kansas wheat; farm must be priced right; \$12,000 stock gen. mdse. for western stock ranch; 160 a. well improved for sale cheap; 77 a. for merchandise. Write us now.

NEAL-BOWMAN LAND CO., Garnett, Kan.

### A BUTLER COUNTY BARGAIN.

A BUTLER COUNTY BARGAIN.
Crops Never Looked Better.
160 a. 5 ml. 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,

SOLD THE LAND ADV'T—Week of Feb. 4 and the one of Feb. 11, and here's one for this week: 160 acres all in good grass, rich soll, good water, in wheat belt. ½ mile of good school, well located, make a nice home, 6 miles of Spearville. \$3,000; \$1,500 cash and good terms on balance. Send for big list. Address STINSON & SHELDON, Spearville, Kan.

EXCHANGES—Lands, city property, stocks and mdse, What have you to offer?
FOSTER BROS., Independence, Kan.

240 A. 3 MILES ESBON, KAN.; a bargain at \$57 per a; good improvements, J. A COLE, Esbon, Kan.

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

A GOOD FARM of 240 acres; only 5 miles out; large improvements, good alfalfa and corn land; must be sold; \$55 per acre.
T. B. GODSEY, Emporia, Kansas.

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.

100—CHOICE DICKINSON AND CLAY CO. FARMS—100

50 acres 3 miles from town, 70 a. under rlow, alfalfa land, 20 pasture and meadow, 5 room house, good well, barn and other buildings. \$200C cash; rest to suit; 25 a wheat included, Write for list, J. J. Bishop, Wakefield, Kan.

GREENWOOD COUNTY FARMS and well-grassed stock ranches, in the corn, clover and bluegrass county, for sale at low prices on liberal terms. Write for full information.

J. G. SMITH, Hamilton, Kansas.

LIVE AGENT WANTED in your locality to assist in selling corn, wheat and aifalfa land. We own thousands of acres in Pawnee and adjoining counties. Write for proposition on our own ranches.

FIZELL & ELV,

Larned, Kansas.

FOR TRADE—314 acres, eastern Kansas; well improved; fine home; black prairie land; price \$75 per a.; want income city; we had a big wheat and a big corn crep to gather; write today.

G. T. KINSEY,

Le Roy, Coffey County, Kan.

Sale or Trade Fine farms in vari-muse. stocks to trade for lands; we can suit you write us. JohnsonRealtyCo., Wichita, Kan

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.

80-ACRE FARM near Emporia; 1 mile to school; fine fruit; splendid house and barn; well and windmill; alfalfa growing; price \$6,000; list of farms and ranches mailed on application.

G. W. HURLEY, Emporia, Kan.

#### If you want to buy land or make some exchanges. Write G. K. JACKSON, Eureka, Kans

A GAS BELT BARGAIN.
60 a., 3 ml. of Fredonia, ½-mi. to school, all in cultivation; 6 roomed house, barn, gas well on farm pays \$100 a year, besides free gas for house use, rich soil. A bargain at \$50 per acre. New list free.
M. T. SPONG, Fredonia, Kans.

IF YOU MEAN BUSINESS and have real 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.

# FOR TRADE

800 a. in Taney Co., Mo., 2½ mi. to town, 100 a. creek bottom in cult., 400 a. fenced; large 2-story house, large barn and other outbuildings; wants mdse.; price \$13,000, mortgage \$3,000. mortgage \$3,000. SPOHN BROS., Garnett, Kan.

# 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.

RICH VALLEY FARM.

Must sell to settle estate, 175 acres, 70 in blue grass, clover and timothy; 50 acres walnut, hickory and oak timber, in blue grass pasture; 55 fine corn, well watered, large 2-story, 7-room residence; big barn, sheds, outbuildings, orchard, garden; perfect title; only \$65 per acre.

F. G. SIMMONS,

320 Boonville St., Springfield, Mo.

# Great Farm Bargain

Only two miles from the City of Topeka, 2 miles from street cars, on proposed extension of car line, macadam road; the greatest farm bargain in the county; a fine grain, stock or dairy farm; all alfalfa land; located right to sell all or part in five and ten acer tracts; 185 acres; 145 acres in cultivation, 12 acres alfalfa, balance pasture; practically all tillable; house, barn and other outbuildings are old; good well; this farm is right at the door of one of the largest and best markets in the state for all products; largest creamery in the world here; large packing house; wholesale and retail markets; owner old and wants to sell; only \$100 per acre, small payment down and very easy terms; a snap for the first man with the money.

THE HEATH COMPANY,
109 West Seventh St., Topeka, Kansas.

#### EASTERN KANSAS BARGAINS

We have some prices that will surprise you on farms in Shawnee, Osage and Jet. ferson countles. Write us for full description and prices. We can save you money, R. H. Burns THE STRAUSS AGENCY,

Office 1061/2 West Fifth Street, Topeka, Kansas.

# Choice Butler County, Kansas. Farm For Sale, (On easy terms)

320 acres, 5 miles from town and shipping point, 10 miles from county seat, good 7 room house, good barn about 30x36, good new hog house with cement floor, two wells and windmill, 120 acres of bottom land, mostly in alfalfa, 150 acres under plow, balance of farm all smooth level land in native blue stem grass, part pasture and some hay, several different fields fenced hog tight; timber enough for posts and fuel, good timber feed lots, and creek. Price if sold before October first is \$50 per acre, on very easy terms. For further particulars, write J. C. HOYT & CO., Eldorado, Kansas.

### IRRIGATED LAND.

Buy an 80-acre farm in the Pecos Valley, Tex., on your own terms. I will help you to build a home and take my pay as the land earns it. Come on my next ex-

### September 5th, 1911

And see the finest chance to get a productive home where it is easy to live and prosper.

Write me at once so I can send particulars of this land and expense of trip. WOOD & SHUMWAY,

534 Kansas Ave., Topeka, Kan.

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

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

200-ACRE WHEAT FARM at a bargain if sold at once. Write for our farm list. WHIPP & CO., Concordia, Kan.

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

160 A.,90 IN CULT.; 20 alfalfa, rest pasture; 4½ ml, from town; exchange for general mass. J. A. KASPAREK, Belleville, Kan.

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 Bidg., Newton, Kan.

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

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

FOR SALE—Good hotel, only one in town—doing good business. For this and other bargains write Box 53, Morrowville, Kan.

CORN, WHEAT AND ALFALFA LANDS.

Stock ranches and city property for sale or exchange.

J. N. THOUVENELL, WINONA, KANSAS.

# WRITE G. L. PAINTER & CO. About Ford Co. Land.

DODGE CITY, KANSAS.

### **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.

FINE HOME, 48 a., one mile of this city, about 38 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.

\$12.50 per acre. 1040 acres in body; ance rough, but good grass land; all under fence; half cash, balance easy terms.
TAYLOR & BRATCHER, Coldwater, Kan.

FOR EXCHANGE.

A good 160-acre farm in Woodson County, Kansas; 70 cultivated, 6c meadow, balance pasture; no rock; \$65 per acre; mtg. \$4,000. What have you for equity?

A. B. ESTEP. Yates Center, Kansas.

ONE OF THE BEST PAYING RANCHES in Greenwood county, Kansas, one mile from town and shipping point; 200 acres in cult, 100 acres of which are first bottom land; 200 acres in prairie meadow, 240 acres blue-stem pasture; 2 good sets of improvements; fine protected feed lots with living water; black limestone soil; cheap at \$36 per acre; corn on this ranch this year will make 50 bu. to the acre. J. C. Talbot, Eureka, Kan. Eureka, Kan.

THE BEST TOWN TO LIVE IN.

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

address the SECRETARY of the COMMERCIAL CLUB, Topeka, Kansas.

FARM BARGAIN from Osage City, Kan., 70
a. in cult., 10 a. in red clover, 10 a. clover and blue grass, 20 a. mow land, balance pasture, nearly all smooth second bottom land; plenty good water, 5 room house, barn for 8 horses and loft, corn crib, hen house, sheds, etc.; ½ mile to school, R. F. D. and phone. Write at once for full description and plat. Price \$47.00, per acre. E. J. OLANDER & CO., 431 Kansas Ave., Topeka, Kan.

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

Irrigated Farms in Bent Co., Colo., to trade for general mdse, Write me relative to Government lands coming under new ditch.

HARRY C. JOHNSTON,
Las Animas, Colo. Government

Lamar Colo., NO BETTER INkansas Valley Irrigated Land. Write for
map, price list and full information.. GEO,
A. WATSON LAND CO., Lamar, Provers
Co., Colo. (Established in 1886 at Lamar.)

KIOWA.—3,160 acre up-to-date Ranch, no drawbacks to location, quality, water and improvements. Without flaw. Price \$15 per acre. Write Griffin Bros., Klowa, Kans.

colorado ranches; 600 acres 3 miles town; well improved; springs, timber; splendid stock and darry ranch; possession at once. Price \$15 per acre; terms, 320 acres 3 miles of town; fair improvements; splendid small 'grain farm; \$12.50 per acre cash; good crops here; come and see.

HENBEST, Calhan, Colo.

FARM FOR SALE.

For 30 days I offer my 160-acre tract for sale at \$60 per acre; good seven-room house, large barn, good orchard, never-failing spring; 3 miles to town; 3½ miles to street car line, 5 miles to Co. seat, Iola, Kan.; blue grass and clover pasture; timothy corn and other grains on place. for more information write

MRS. J. O. SMITH,

Moran, Kan., Box 733.

160 acres fine land, only 10 miles from center of Wichita, Kansas; 100 cultivation, balance pasture, all fenced and cross fenced, fine black soil, well, windmill, good water, 6-room house, barn, 10 head, other outbuildings. You can buy this farm for \$15 less than anything joining and will make you big money. Price, \$60 per acre.

# ACRE IMPROVED

FARM. 7 miles southeast of Medicine Lodge, 300 acres in cultivation, 200 acres in pasture, house, barn, windmill and orchard. Price \$25 an acre.

T. L. LINDLEY & CO., Medicine Lodge, Kn.

### IDEAL BARGAINS

Arkansas river bottom; 80 acres, dark, sandy loam, 15 ft. to water, 4-room house, barn, mill, young orchard; 41/mi. of Wichita. Price, \$100 per acre. City property, small tracts, farms and ranches for sale of trade. IDEAL REALTY CO., 311 East Douglas, Wichita, Kans.

FINE STOCK FARM.

560 a., 100 a. in cultivation, 150 a. in meadow, remainder in good pasture; 5 room house; nice barn 106 ft, long, 30 ft, wide; other buildings; good well; orchard; on rural route 3 miles to shipping point and 5½ miles of Fredonia, the county scat, 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 I. Good terms. Address

OWNER, Lock Box 926, Fredonia, Kansas

FIELD NOTES.

FIELD NOTES.

The Wichita College of Music, Wichita Kan. The opening of the sixth regular school year of the Wichita College of Music will be Monday, September 4. The office will be open every day from 8 a. m. to 5:30 p. m. Students may register at any time and arrange for their lessons with the different artists. The first week the theory classes in the beginners, and also advanced classes, will be organized. These classes will include sight reading, ear training fundamentals of music, harmony, history of music and composition. The dramatic art club will be organized the second were under the direction of Miss Louise Stevens. The Philharmony Orchestra will begin rehearsals directly following the grand opening concert. The grand opening concert will be given in Philharmony Hall Thursday evening, September 14. One of the most interesting programs has been planned by the management. Of special interest at this concert will be the first appearance of the well-known artist and teacher. One firscher is, without question, the greatest the well-known artist and teacher, even engaged for the coming season. Fischer is, without question, the greatest concert planist, as well as teacher. He engaged by any school in the west. He called as first assistant to the celebrated Teresa as first assistant to the celebrated Teresa as first assistant to the celebrated Teresa has been one of the regular teachers of the New York College of Music, and the Lachmund Conservatory. The management has purchased a fine concert grand plano, which will be used at the opening concert. The plano is the finest instrument of its kind in Wichita, costing \$1,200. As second orchestra grand plano has also been planos and 10 upright planos in use, planos and 10 upright planos in use, does not include the great number of practice planos used by the students.

TE

tember

# TELD NOTES

ETELD MEN.

Yayne Devine......Topeka, Kan, sie R. Johnson....Clay Center, Kan, J. Cody......Topeka, Kan,

PURE BRED STOCK SALES.

\_H. G. McMillan & Sons, Rock H. G. McMillen & Sons, Rock

Holstein-Freislans.
Glissman, Station B., 7-8.—H. maha, Neb.

Herefords. 10.—Thos. Crawford, Butler, Mo. 17-18—G. W. Newman, Emporia, Kan,

Poland Chinas.

Poland Chinas.

12.—W. B. Wailace, Bunceton, Mo.
11.—Bert Harriman, Pilot Grove, Mo.
15.—J. A. Winebrenner, Tipton, Mo.
15.—J. A. Winebrenner, Tipton, Mo.
15.—Ben, M. Bell, Beattie, Kansas.
28.—J. D. Willfoung, Zeandale, Kan.
28.—J. C. Willfoung, Zeandale, Kan.
28.—J. C. Salter, Jasper, Mo.
14.—S. A. Bugg, Hamilton, Mo.
15.—J. C. Salter, Jasper, Mo.
16.—J. C. Salter, Jasper, Mo.
19.—W. H. Emens, Elmdale, Kans,
10.—Frank Michael, Erie, Kan,
11.—S. A. Hobson & Son, King City, Mo.
14.—T. J. Dawe. Troy, Kan,
16.—A. R. Enos, Romona, Kan,
16.—Oak Hill Stock Farm, Esbon, Kan,
17.—J. D. Spangler, Sharon, Kan,
17.—J. D. Spangler, Sharon, Kan,
18.—W. E. Long, Meriden, Kan,
19.—J. Hartman, Elmo, Kan,
19.—Detrich & Spalding, Ottawa, Kan,
19.—Berich & Spalding, Ottawa, Kan,
20.—Geo, W. Smith, Burchard, Neb,
21.—Stedem Stock Farm, Marshall, Mo.
21.—A. R. Ryestead, Mankato, Kan,
23.—Herman Gronniger & Sons, Benea, Kan,
24.—W. F. Fulton, Waterville, Kan,

n.
F. Fulton, Waterville, Kan.
P. Young, Lexington, Mo.
M. Finch, Sheriden, Mo.
J. Meisner, Sabetha, Kan.
R. Webb, Bendena, Kan.
H. Foster, King City, Mo.
ker Bros., Butler, Mo.
C. Halderman, Burchard, Nob.
O. James, Bradyville, Iowa.
V. V. Hoppe, Stella, Neb.; sale at

ker Bros., Butler, alo.
C. Halderman, Burchard, Nob.
O. James, Bradyville, Iowa.
V. V. Hoppe, Stella, Neb.; sale at
Neb.
H. Harter, Westmoreland, Kan.
T. Willams, Valley Falls, Kan.
B. Walter, Effingham, Kan.
C. Graner, Laucaster, Kan.
E. Durbin, King City, Mo.
M. Willson, Lebanon, Kan.
Howard, Morrill, Kan.; sale at
Kan.

-E. Howard, Morrill, Kan.; sale at ha, Kan.
ha, Kan.
-I. E. Bowser, Abliene, Kan.
-H. J. Griffiths, Clay Center, Kan.
-Werny Paniels, Gower, Mo.
-I. E. Klein, Zeandale, Kan.
-W. A. Prewett, Asherville, Kan.
-Young & Kimberling, Glasco, Kan.
-Joe Schneider, Nortonville, Kan.
-P. L. Ware & Son, Paola, Kan.
-Walter Hildwein, Fairview, Kan.
-F. W. Barber & Son, Franklin,

15-A. P. Wright, Valley Center, Kan. 15-C. W. Jones, Solomon, Kan. 16-Miller & Manderschied, St. John,

n, 17-J, F. Ware, Garfield, Kan. 18-George W. Roberts, Larned, Kan. 20-O, M. Furnas, Oxford, Kan. 22-T, J. Meisner, Sabetha, Kan. 24-A. L. Albright, Waterville, Kan. 25-J, H, Hamilton & Son, Guide Rock, b.

23-J. H. Hamilton & Son, Guide Rock, b.
27-A. C. Lobaugh, Washington, Kan.
8-T. J. Charles, Republic, Kan.
8-H. C. Graner, Lancaster, Kan.
8. 1912—George M. Hull and Col. C. E.
an, Garnett. Kan.
9-W. E. Willey, Steele City. Neb.
12-Oak Hill Stock Farm, Esbon, Kan.
15-J. H. Harter, Westmoreland, Kan.
17-A. R. Ryestead. Mankato, Kan.
17-A. R. Ryestead. Mankato, Kan.
29-E. E. Logan, Beloit, Kan.
29-E. E. Logan, Beloit, Kan.
21-W. A. Prewett, Asherville, Kan.
22-C. W. Jones, Solomon, Kan.
22-C. W. Jones, Solomon, Kan.
24-C. H. Pilcher, Glasco, Kan.; sale
25-II. B. Walter, Effingham, Kan.

35.

ch 6-T. M. Willson, Lebanon, Kan.

Duroc Jerseys.

d. 9-E. W. Davis & Co., Glenwood, Mo. 1, 17-Pearl H. Pagett, Beloit, Kan. 1, 17-Pearl H. Pagett, Beloit, Kan. 1, 18-Pearl H. Pagett, Beloit, Kan. 1, 18-Pearl H. Pagett, Beloit, Kan. 1, 18-Pearl Chapin, Green, Kan. 18-Pearl Elder, Green, Kan. 18-Pearl Elder, Green, Kan. 18-W. E. Monasmith, Formosa, Kan. 18-W. E. Monasmith, Formosa, Kan. 18-Pearl Elder, Phillippi, Lebanon, Kan. 18-Pearl Elder, Kan. 18-Pearl Elder, Kan. 18-Pearl Elder, Phillippi, Lebanon, Kan. 18-Pearl Elder, Kan. 18-Pearl Elder, Kan. 18-Pearl Elder, Formosa, Formosa,

ton, Kan.

1912—Frank Elder, Green, Kan.

1912—Frank Elder, Green, Kan.

-Binehart & Son, Smith Center, Kan.

-W. C. Whitney, Agra, Kan.

-J. O. Hunt, Marysville, Kan.

-Edward Fuhrman & Sons, OreMo.

th 14—Thompson Bros., Garrison, Kan, th. 15—Grant Chapin, Green, Kan, th. 27—W. T., Fitch, Minneapolis, Kan, Feb. 28. E. P. Flenagan, Chapman, Kan, th. 28.—Leon Carter, Asherville, Kan,

O. I. C. Swine.

8.-J. N. George, Hopkins, Mo.
-R. W. Gage, Garnett, Kan.
-Arthur Mosse, Route 5, Leaven-

30.—C. R. Champion & Son, Raymore, Sale at Holdredge, Neb.

W. F. Houx Jr. of Hale, Mo., one of Misports progressive breeders of the bigge Poland Chinas, writes that his spring as are doing fine. He has a choice lot say it is a series of the bigges are doing fine. He has a choice lot say it is a series of the set bigges of the big

Waite Gets Master's Longfellow.
Leon A. Waite of Winfield, Kan., has lately purchased the great Berkshire boar.
Master's Longfellow, for which he paid a long price to G. C. Nash of Eskridge. This boar has always been a consistent prize winner at the Kansas State Fair, the American Royal and other shows and Mr. Waite is to be congratulated on getting one of the best boars of the breed. Mr. Nash only consented to part with him because he had a goodly number of his get.

Wallace's Big Poland China Sale.
On Wednesday, September 13, at 12 o'clock noon, Mr. W. B. Wallace of Bunceton, Mo., will hold his annual sale of mammoth Poland Chinas, and he wants every breeder and every farmer who likes this breed to be on hand, eat a big lunch as his guest and see what he has done in the way of producing the biggest kind of Poland Chinas with the finest kind of quality. Be there on time and get a Grand Leader or an Expansion Wonder pig or a sow bred to one of these splendid boars and go home and make money, as Mr. Wallace does when he sells more than \$10,000 worth of his kind in a year. Don't forget the date, the dinner or the hogs, and be on hand.

worth of his kind in a year. Don't forget the date, the dinner or the hogs, and be on hand.

New Offices Opened at Topeka, Kansas.

(From the Iowa Colonist.)

The Emigration Land Co. has appointed as state agents W. S. Hazard Jr. and O. G. Chesley of Des Moines, Iowa, and C. L. Sharpe of Topeka, Kan. The main office of the company will be maintained at 116 East Seventh street, Topeka, Kan. C. L. Sharpe of Topeka will act as manager. This company has been appointed state agent for the Emigration Land Co. for Kansas and Nebraska, and they will exert their efforts in locating Kansas and Nebraska people in the Iowa colony. The Colonist predicts that the above company will be the means of bringing a goodly number of good substantial people to the colony from their territory as Mr. Hazard and Mr. Chesley are general agents for several fire insurance companies and have operated in the above territory for a number of years and are known to be men of unquestionable integrity, and their indorsement of the Iowa colony will bear considerable weight with the people in their territory. They are believers in the great south and both own a considerable amount of farm land in the Houston-Galveston district. Mr. Sharpe of Topeka has been connected with the Hazard & Chesley general agency for the past 10 years and has a broad acquaintance in both Kansas and Nebraska. His 400 fire and hail agents will all be boosters, together with his large number of friends scattered throughout the two states. We believe that people from Kansas and Nebraska will be coming to the colony in carload lots by early fall. Mr. Sharpe spent some time in the colony in July and went back north very much elated over what he witnessed, in addition to investing himself, he recommended to several of his relatives and friends that they purchase as many 10-acre tracts as they could take care of. People from other states are learning of the great opportunities that are offered here and few, if any, investigate but what buy and become boosters for the Iowa colony

Sutton's Berkshire Dispersion.

Sutton's Berkshire Dispersion.

Sutton farm of Lawrence, Kan., which his long been famous for its Black Robin Hood Berkshires, held a dispersion sale on August 17, 1911, at which time the splendid animals which composed this herd were scattered broadcast over 13 different states. Berryton Duke Jr. 77341 went to Harpending Bros., Dundee, N. Y., at \$500. Charmer Duke 29th 09000 was sold to J. F. Hobbs, Lawrenceburg, Tenn., for \$425, and a young unnamed boar brought \$100. All other boars were below this price. The sow sales above \$100 were as follows: 21, Rival's Champion Belle, Kinloch farm, Kirksville, Mo., \$300; 31, Bacon Lee's Girl C 216th, Chas. A. Steward, Fox, Ill., \$300; 12, Star's Champion Lady, J. F. Hobbs, Lawrenceburg, Tenn., \$210; 14, Lady Premier 80th, Pueblo Land & Irrigation Co., Pueblo, \$195; 79, Jewell Cee, S. E. Morton, Gray, Ga., \$180; 13, Rivall's Duchess S., 3d, Kinloch farm, Kirksville, Mo., \$175; 90, Wakarusa Jewell Pee. Carl Henry, Denver, Colo., \$145; 94, Kanasa Belle 15, Dr. Nash Collins, Delhi, La., \$135; 24, Duke's Queen 19th, Kinloch farm, Kirksville, Mo., \$125; 33, Polly Pippin, Earl Trimmer, Kirksville, Mo., \$125; 69, Rutger Jewell 27th, J. H. Fullilove Jr., Shreveport, La., \$105; 27, Wakarusa Dimple B. 3d., F. A. Clarke, Kinderhook, Ill., \$105; 23, Fairseld's Artful Belle, J. F. Fullilove Jr., Shreveport, La., \$105; 27, Wakarusa Dimple B. 3d., F. A. Clarke, Kinderhook, Ill., \$105; 23, Fairseld's Artful Belle, J. F. Smith, East Durham, N. C., \$100. Kansas buyers of young boars were Leon A. Waite, Winfield; J. E. Helde, Beloit; J. W. Henderson, Auburn; R. C. Harrington, Colony; C. G. Wheeler, Nortonville. The Kansas buyers of the young sows and pigs were L. A. Waite, Winfield; Geo. Sinn, Darlow, and G. C. Nash, Eskridge.

Herd Boar For Sale.

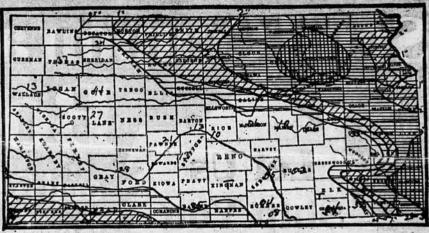
Jas. Arkell, Junction City, Kan., one of the successful Poland China breeders of central Kansas, has an advertisement in this issue of Kansas Farmer offering for quick sale the choice of his tried boars sired by Grand Look. The boars are litter brothers and out of a sow sired by old Expansion. They are good individuals and have proven excellent sires. Mr. Arkell only needs one of them and will sell the choice very reasonably. Write him and mention this paper.

Practical Education at a Low Cost.

Highland Park College of Des Moines, Iowa, has been aptly termed "The greatest Exponent of Modern Education." This title is well earned and deserved. This college—whose advertisement appears elsewhere in this issue—is highly proficient in its teaching. The courses include Liberal Arts, Normal, Engineering, Pharmacy, Oratory, Music, Commerce, etc. The tuition is remarkably low, the Preparatory, Normal and Business courses costing only \$18 a quarter. The living facilities are greatly simplified—board can be had for as low as \$1.75 a week. The correspondence courses of Highland Park College are also thorough and complete. Almost any subject is taught by

# KANSAS CROP REPORT

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



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.

Allen—Light showers during week. More rain needed.

Anderson—Good rain August 21. Crops badly damaged by dry and hot weather from August 3 to 21.

Barber—More rain needed. Crops doing fairly well.

Barber—More rain needed. Crops doing fairly well.

Barton—Very dry. Some parts of ground impossible to plow.

Bourbon—Plenty of rain for fall plowing. Late hay and pasture good. Vegetation fine.

Butler—Rain needed.

Chase—More rain needed. An unusually good crop of alfalfa seed is being threshed. Chautauqua—Not much rain. Temperature latter part of week cool.

Clark—Late crops in fine condition. Wheat ground mostly plowed.

Cloud—Plenty of moisture.

Coffey—More rain needed. Very warm weather of 18, 19 and 20 affected corn badly.

Decatur—Little change in conditions.
Still lacking moisture.
Doniphan—Good rain August 21.
Douglas—Pastures improving. Many silos being erected and the filling is about to begin. Corn crop cut short by dry weather. More rain needed to reach the subsoil and to improve the wells.

Elk—No rain since August 5. Farmers putting up hay. Crops doing well.
Ellsworth—Corn good in some parts eff county. Farmers busy plowing. More rain needed.

Ford—Rain has helped all crops.

needed.
Ford—Rain has helped all crops.
Gove—Light rain, but more needed.
Greenwood—Showers just what we needed.
Everything growing. Fall plowing nearly done. Ground in fine condition.
Harper—Conditions now favorable for all kinds of vegetation.
Jewell—Sufficient rain for corn. Cool and cloudy most of week. Second crop of alfalfa is good.

fa is good.

mail. Over 8,000 students enrolled in the Correspondence School. The opportunity for advancement and education at this college should be taken advantage of by every earnest-minded, determined young man and woman. Special and practical training are necessary essentials of modern success. It cannot be gained without previous preparation. Highland Park College supplies the preparation at a cost within reach of all. A handsome catalogue of any course will be mailed upon addressing O. H. Longwell, Pres., Highland Park College, Des Molnes, Iowa.

Harriman's Big Poland Sale.

Harriman's Big Poland Sale.

On Thursday, Sept. 14, Bert Harriman of Pilot Grove, Mo., will sell at public sale a draft of 50 head of choice sows, gilts and boars that are hard to beat. Mr. Harriman has a reputation and one look at his big Poland Chinas will show where he got it. The sows and gilts were bred to Mt. Vernon Hadley or to Pilot Defender, thus insuring Big Hadley or Expansion litters. There are few better boars than these. There are 10 extra good tried sows by Designer, Kansas Wonder, King Blain and Nebraska King. There are 25 summer gilts, all bred; also 8 fall boars and 7 spring boars from which to select herd headers of the big type. Remember the date and the quality and be on hand to get some hogs of the right sort.

How Winchester Guns and Cartridges Are Made.

As the hunting season will soon be here sportsmen generally are thinking of their hunting outfits. This makes it most opportune to call attention to the repeating rifles, repeating shotguns and ammunition of all kinds manufactured by the Winchester Repeating Arms Co., the largest manufacturers of arms and ammunition in the world—which are justly celebrated for their superiority and reliability. Over 2,000,000 Winchester guns have been sold during the 40 odd years they have been upon the market, and today they are in general use all over the world. Having established such a demand for their guns and ammunition, the Winchester Co. strive to maintain them by exercising great care in the selection of the materials used and by employing modern methods and machinery in manufacturing their output. The Winchester Co. employ the leading experts in gun and ammunition making and expend annually a large amount of money in experimental work and in perfecting new and desirable types of guns and ammunition. By means of this experimental work and in spections, embracing every stage of manufacture, from the materials in their rough state to the finished product, the Winchester Co. are enabled to keep their product thoroughly modern in every way and up to a high degree of perfection. As a proof of the superiority of Winchester cartridges

T. trace

Johnson—Good rainfall August 21, which will mature late corn, improve the pastures and gardens.

Lane—Week has been very favorable with the exception of August 19 and 20, which were very hot.

Leavenworth—Weather conditions excellent this week. Growing things have been benefited considerably, though rain came too late to help corn. Its best effects were for the stock.

Linn—Fine rain August 21.

McPherson—Soaking rain needed. Corn injured by ripening too quick.

Marion—Corn still doing pretty well. Pastures looking good. Getting too dry to plow.

Pastures looking good. Getting too dry to plow.

Marshall—Late corn doing very well. Pastures growing now. Farmers plowing. Fine rain August 21.

Montgomery—A good growing week. All crops doing fine.

Norton—Kaffir corn and milo maize heading fine. Fine rainfall.

Phillips—Pretty bad storm in the north and east parts of county August 21; hail did considerable damage. Pastures are good.

Rice—All vegetation is in bad shape. Al-

good.
Rice—All vegetation is in bad shape. Alfalfa standing still. Feed will be scarce.
Riley—Heavy rainfall August 21.
Saline—Good showers on 19 and 21, but too late to prevent damage to corn by heat of previous week.
Sedgwick—Kaffir corn in fine condition.
Ground very dry and crucking badly.
Seward—Fall crops O. K. Pretty good rainfall.
Swmner—Corn is drying out. Need more

sumner-Corn is drying out. Need more

rain.
Thomas—Light showers. Last part of week very cool and cloudy.
Wallace—Still dry. Had light shower on August 22. Range grass short.
Woodson—Everything is doing well.
Good rain would help out corn crop.

might be cited the report of the board of government experts who, after a thorough test of various makes, reported officially that Winchester rife cartridges were superior to all others. This is the second year that Winchester cartridges have been so honored. Notwithstanding their superiority and the care taken in manufacturing Winchester guns and ammunition, they cost the consumer no more than inferior makes. Quality considered, Winchester goods are the cheapest on the market. Winchester goods are sold by most all reputable dealers in hardware and sporting goods.

Chas. Pilcher Visited.

Chas. Pilcher Visited.

Mr. C. H. Pilcher of Glasco, Kansas, was visited recently by a fieldman for this paper. Mr. Pilcher is one of the old time breeders of Kansas and has one of the best and most uniform herds to be found in the corn belt. It has fo reseveral years been Mr. Pilcher's policy to blend the blood of the different types in such a manner as to increase both size and quality in his herd, so successful has he been in this mating that the kind he breeds might very fittingly be called the Pilcher type. They have the short, wide heads, nice ears and quality possessed by small type hogs and at the same time have plenty of size. The herd boars Conqueror and Winning Graniteer, are still doing excellent service in the herd and the 100 choice spring pigs are nearly all by them. Mr. Pilcher has shown successfully for the past few years always, winning good premiums. Last year he exhibited at Topeka state fair winning second on Conqueror, and several other prizes on young stuff. Mr. Pilcher has claimed Feb. 24th, and will hold his sale at Concordia. Remember the date and the kind Mr. Pilcher breeds.

Lambert's Poland Chinas.

Josiah Lambert, Poland China breeder of Smith Center, Kan., is a new advertiser in Kansas Farmer this week. Mr. Lambert has bred Poland Chinas for more than 12 years with marked success. He owns and operates his own farm and breeds and sells his hogs at prices at which farmers can afford to own them. His present herd boar, Collossus X 2d, sired by the noted boar Collossus and out of a dam by Expansion. Mr. Lambert has a fine lot of spring pigs, numbering about 50, all by the boar mentioned. They are out of big, smooth sows, daughters and granddaughters of such sires as King Do Do, Quintard by Panfamo. One extra good one is a daughter of Choice Goods. There are also three extra good fall boars for sale, sired by Quintard. Mr. Lambert always has a nice bunch at Smith Center fair and wins some of the best premiums. Last year he won four firsts and two seconds on one litter in strong competition. He is fitting a nice bunch for his county fair and also will show at the Kansas State Fair to be held at Topeka.

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