# KANSAS FARMER

FOR THE IMPROVEMENT

OF THE FARM AND HOME

olume 49, Number 8

TOPEKA, KANSAS, FEBRUARY 25, 1911.

Established 1863. \$1 a year.

IN earlier days Kansas looked to the East for her money supply. This was a natural condition, for Kansas was then new to civilization; her broad lands uncultivated. To-day her farmers are among the richest in the world and produce a wealth far beyond the needs of her own people. And Kansas, today is no longer a borrower, but lends her money to the East. Evidencing this, Mr. John R. Mulvane, President of the Bank of Topeka says: "Ten years ago our bank usually sent from \$25,000 to \$30,000 to the East to pay interest on Kansas bonds. Last July. 1910, we sent coupons to collect over \$20,000 in interest. We did the same in January, 1911."

This from only one of the many banks in Kansas. There is now a law on our statutes compelling municipal officials to offer all municipal bonds to the state of Kansas for investment in the permanent school fund, before selling them elsewhere.

Quite a change in conditions within ten years, in Kansas.



Coming His Way Now

# Buy an Irrigated Farm

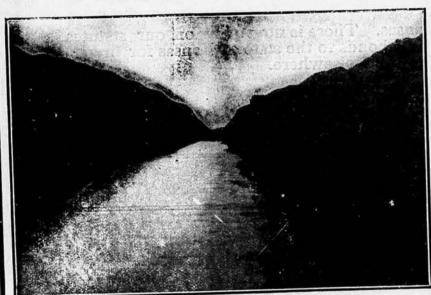
# Be Sure of Returns for Your Season's Work and Expense

Just now there are available for purchase some of the finest irrigated farms in the United States. These lands lie in the great Arkansas Valley, in Colorado just west of Kansas, hardly 125 miles from the west line of the state. These lands lie adjacent to Pueblo, a city of 60,000 people, in which are located vast manufacturing industries. In addition to fine lands, and certainty of crops, high priced markets are right at hand for all kinds of farm produce.

In no section of the United States does a farmer have a better chance to get the utmost, in returns for his time, labor and expense, as well as interest on the money invested in land and equipment.

# **Grasp Present Opportunity**

The Pueblo-Rocky Ford Land Company are rapidly selling out 50,000 acres of these Arkansas Valley lands. The land is sold in tracts to suit purchasers, and on the most liberal terms. Prices of land are low. Every opportunity is given to enable any industrious man to own one of these



OF THE PUEBLO-ROCKY FORD LAND COMPANY'S CANALS. PHOTO TAKEN JANUARY 31, 1911.

Not only is the land of the quality to insure big yields, but the irrigation works are ample, and of the most substantial construction. Concerning the latter, Mr. E. R. Chew, State Division Irrigation Engineer of Colorado, who went over the Pueblo-Rocky Ford Land Company's project, Tuesday, January 31, in an interview in the Pueblo Star-Journal, said: "I never inspected an irrigation project where the work was of a more substantial character, or where the engineering part of the construction work has been so excellently planned and executed. The Company has an irrigation project ample for its needs for all time to come. They will have all the water they need. Their project will afford irrigation to every acre of land under their ditches. They have spared no expense which would tend to better their project. The enterprise means a great deal for Pueblo and the Arkansas Valley and the promoters deserve the hearty support of Pueblo and the entire Arkansas Valley."

No man will ever regret getting a farm here. To get one, prompt action should be taken. This Company is anxious to show its property and lain its selling terms and prices to every one wanting to own a productive home.

Special low rate excursions are run out to Pueblo, and transportation facilities are provided free of charge to inspect the property.

The next excursion will leave Topeka and Kansas points Wednesday, March 8. You are invited to join it.

Write for full particulars, or if time is too short to write, wire us at our expense, and we will make provision to take the best care of you.

# Pueblo-Rocky Ford Land Co.

NEW ENGLAND BUILDING, TOPEKA, KAN.



# Do You Intend To Abandon Your Farm?

In New England there are hundreds of abandoned farms—abandoned because the soil has been drained of its fertility. Had these farms been properly fertilized they would still be producing bounteous harvests.

New England farms are not the only ones that are being depleted of fertility. There are thousands of other farms which are rapidly approaching the point where further cultivation will be unprofitable unless some means a adopted to renew the fertility of the soil.

If you do not intend to abandon your farm, it will be necessary to supply fertilizer to the soil. It is not only necessary to apply manure, but it absolutely essential that it be applied evenly and in proper quantities.

Manure cannot be spread evenly by hand. Experience has demonstrated that the spreader is the only method by which manure can be applied uniformly.

applied uniformly.

It is just as necessary to exercise judgment in selecting a spreader as it is on any other subject. There are many spreaders on the market. The IHC spreader has proved its superiority by giving the users years of efficient service. With an IHC spreader you can regulate the distribution of manure so as to make every ounce count. Adjustments can be made to spread a light top-dressing or a heavy covering. This is possible because IHC spreaders have a wide range of feed, and the long, square, chisel-pointed beater teeth thoroughly pulverize the manure that is applied. Wide tires and roller bearings insure light draft.

IHC spreaders are made in three styles—

I H C spreaders are made in three styles-

#### Cloverleaf—Corn King Kemp 20th Century

Cloverleaf spreaders have endless aprons. Corn King and Kemp 20th Century machines have return aprons. These machines are made with capacity suitable for farms of

Call on the I H C local dealer and let him show you the style and size best suited to your purpose. If you prefer, write direct for cata-

logue and full particulars. International Harvester Company of America Chicago U S A (Incorporated)



The Bureau is a center where the best ways of doing things on the farm, and data relating to its development, are collected and distributed free to every one interested in a griculture Every available. Every available source of information will be used in answering questions on all farm subjects. If the questions are to the I H C Service Bureau, they are not to prompt at the service bureau, they are not to the I H C Service Bureau, they a eive prompt at-



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FARMERS' CEMENT TILE MACHINE CO., Box 116 St. Johns, Michigan.





THE TENANT FARMER.

The speaker of the Illinois House of The speaker of the lithing House of Representatives is a farmer. He is the first farmer ever elected to that position in this body. He is a tenant farmer who does not own the land he ills and claims that he can not afford

These facts are sufficiently unusual but when it is known that he has occupied his present farm for eighteen years, during which time he has attained to fame and fortune, and has never had a written contract with his andlord, his case seems remarkable. These facts are not mentioned to irge the advisability of landlord and enant depending upon a verbal agreenent only, but rather to show the advantages that will accrue to both when the long lease system is adopted nstead of the one year term. A man who has a long lease on a piece of and can afford to take the time and abor necessary to keep up its appearnce as it will be his home for a coniderable time. He can afford to keep p its fertility because his pocket-book will suffer if he does not. He an afford to maintain his place in hurch and society because he is a ermanent fixture for a definite ength of time. On the other hand, he landlord can very well afford to ive him liberal terms because every fort put forth by the tenant for the enefit of the farm during his long ease is also to the advantage of the

Most people will admit that the resent common system of one year eases is all wrong and works to the etriment of both landlord and tenant, ut not all are willing to admit that he fault is largely with the landlord. lmost any man who farms for a livg on rented land would be a better an and a better farmer if he re-eived proper encouragement and coperation from his landlord and this in not be had under a system of nort term leases. The only thing lat seems to stand in the way of odifying the present destructive factice of one year leases is that ry much of the land that is rented subject to sale, and the owner does of wish to have the lease interfere th the transfer of ownership should portunity come to him. It has been monstrated in many sections of the untry and very many times that nd is about the best and safest instment into which a man can put s money. If the landlord, therefore, buld give up the idea of selling and lect a good tenant with whom he uld cooperate and to whom he could we a long term lease, he would find at not only is his farm getting her and more valuable each year, t that his actual cash income is eater than it would be from almost y other investment be could make y other investment he could make the the same amount of capital.

very large proportion of the farm of England are tenant farmers.

ey are thrifty and well-to-do and
they pay high rental for their
ids. They farm in the most effectmethod because the tenancy deands from father to son and short sees are almost unknown. Too en we think that America is the y country on earth that is worthy serious consideration and that we the greatest people, yet the fact ps out occasionally that it is possito learn things that are of real ue from farm methods as practiced the old country.

REATING THE HELP RIGHT.

n eastern reader who has a trade the city but who loves the farm ing his trade, complains that the ere in preference to folrage American farmer does not this help with sufficient consid-tion. In his strong language he

Our American farmer uses his men as he would a dog, and in fact as he would a dog, and in ract set than a dog, which does not suit ecent man. I mean by a decent h, one that is sober, honest and ling, and that is the kind I judge self to be

have helped farmers to get demen from the city, but they ld not stay more than a month at me for the reason that they were ted as though they were nothing low dogs. If ever our American hers learn to treat a good, sober, dy and honest man a little more

**MENSAS FARMER** EDITORIA

With which is combined FARMER'S ADVOCATE, established 1877. Published weekly at 625 Jackson St., Topeka, Kan., by the Kansas Farmer Company.

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PICTURES—Good photographs, drawings and plans are especially solicited.

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

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

KANSAS FARMER COMPANY, TOPEKA, KANSAS.

sociably or with more respect, and do not deprive him of a little pleasure, I think they will never have any trouble in getting men."

He further states that he has never been asked for references though abundantly able to furnish them and he predicts that when the farmer learns to treat a sober, willing and steady man with the consideration which is due a man he will not have trouble in securing all the help he

Conditions differ in different parts of the country and even in different neighborhoods, but it is true that the treatment here complained of is all too common. Personally we know of one farmer in Kansas who always has plenty of good help which stays with him year after year, while some of his neighbors have the greatest difficulty in securing emergency help at harvest time and this only by means of extra wages.

Whenever there is anything wrong with the hired help it should be inquired into, but this inquiry should begin with the farmer himself. If he is doing the square thing by his help he probably will not have much difficulty. If not then it is time to change. You don't want mere animal strength in the hired man. A mule can furnish that. If a man gives good get rid of him. service treat him like a man. If not,

In New York State, which has long been famous for its careful agricultural methods, the silo has had a pretty fair trial at least among the dairy-men. New York does not produce great quantities of beef as do some of the corn belt states and naturally the first test of the silo would be in connection with the dairy farm. It is very generally accepted as a fact that the silo has a place on the dairy farm and here in the corn belt it is rapidly becoming true that it has a place on nearly every farm where live stock is kept. It serves to furnish a succu-lent feed during the dry spell of summer as well as during the winter months, but its more important office lies in the fact that it enables the farmer to save his entire crop of corn instead of saving the ears and wasting nearly half of the crop. A New York farmer in writing about this matter says: "With some farmers it is still a question whether to continue to feed their corn stover dry or to put the crop into the silo. Corn is one of the grandest crops that we can grow and we who keep cows

ought to grow all that we can well care for, whether it be for ensilage or grain. In growing corn I have found that it pays to prepare the ground in a most thorough manner by good plowing and repeated harrowing— most farmers do not harrow half enough. Corn is a crop, too, that it pays to fertilize well, and after it comes up, it should have frequent but shallow cultivation. It ought to be cultivated at least once a week until the horse and cultivator can no longer be gotten through it. This is one of the crops that I enjoy growing and when ensiloed or harvested and cribbed, what farm product is finer to look at? There is much pleasure, too, in husking nice corn."

N N N WHAT THE PRODUCER GETS.

An omcial of the Department of Agriculture who has been figuring of late, says that there are some erroneous notions extant in regard to the relation of the farmer to the high cost of living. This idea is erroneous on both sides. It has been stated that the producer only gets 35 cents of the consumer's dollar but this is evidently wrong. According to his figures the producer of fruits, vegetables, poul-try and dairy products gets 53 cents of the consumer's dollar. The rail-roads get 7 cents of it and the other 40 cents goes into the pockets of the middlemen.

Here is a wide gap which is filled out of the pockets of the consumers without any benefit to the producers.

If these figures are correct they make a better showing than is generally accepted but still they are too low. Prior to 1907 the farmer actually lost money on many of the things he produced and barely made a living on all. Since that time the cost of living has increased very greatly but the farmer has by no means received the whole benefit of it. Prices for farm products have been better but are not now and never have been out of proportion to the investment of time, money, labor and brains invest-

ed in his business by the farmer.

The farmer does not receive too much for his products but the consumer pays too much for them and the profits which make up the difference are not made by the transportation companies but by those parties who handle these products.

\* \* \*

Guess the fellows who really have to work for their money are the seniors with tight-wad fathers.

In regard to our advertising I will say that Kansas Farmer ranks right alongside of the best papers we use. The results from your paper are, so far, very good. It is not very often that I hand out a bunch of violets but I just want to tell you that I have noticed a very decided improvement in your paper. I am glad to see this improvement because it is a Kansas paper and one that we will have to use as long as we advertise because it covers our field so thoroughly.-E. H. Balco, National Nurseries, Lawrence, Kan.

DRY FARMING IN THE EAST. Dry farming as an agricultural operation is not properly named. Under this title it conveys a wrong impression. Dry farming is simply good farming and is applicable to the east as well as in the west, in fact, Kan-SAS FARMER receives about as many inquiries concerning dry farming methods from counties and states lying east of Topeka, as it does from those to the west.

In speaking of the dry farming method, which is not a new one as many people suppose, Prof. L. H. Bailey of the New York Agricultural

College has this to say:
"I am convinced that the dry farming movement has direct value in its application to eastern as well as western conditions. The movement is necessary, and therefore worth while, in its bearing on the welfare of those its bering on the welfare of those regions it should appeal to all the people; but it also has a bearing on agriculture in the entire country such as our people do not yet understand. "We habitually associate 'dry farm-

ing' with dry regions; but the conservation of water lies also at the foundation of agriculture in most humid regions, as well as in semi-arid regions, for the crop in humid regions is very generally determined by the pinch of the 'dry spell' or drouth. As the strength of a well is measured by its weakest course, so is the crop producing power of the year determined, under prevailing farm methods, by the poorest or lest effective growing

"Farmers in the semi-arid regions are compelled to save the rainfall, and they prepare a definite program of conservation, making this program a part of their reckoning. But the farmer in humid regions usually makes little or no allowance or reckoning for drouth and when it comes he is caught, and yet the drouth and not the rainfall determines his crops.

"We shall never have a good agriculture until the farmer prepares for dry times and drouth just as consciously as he prepares for winter. The 'dry spell' of summer is usually considered to be a calamity; it is probable that a properly regulated agreement of husbandar would make system of husbandry would make such spells to be advantageous."

Eastern Kansas can use the so-called "dry farming" with profit in most localities.

BOOK FARMING.
Once the term "book farming" was one of reproach but it is so no longer. By book farming is meant the appli-cation of scientific facts to the busi-ness of farming. Conditions today demand more intensive methods than was formerly necessary. Land prices are higher and better returns must be had to pay a profit on the investment, while the farmer of today is not sat-isfied to live as he once did. In help-ing along the methods demanded by modern conditions the Department of Agriculture has been the most powerful factor, and among its most efficient services rendered is that of inducing the southern farmers to vary and rotate their crops instead of continuing to raise cotton along. As a result of this work one southern state was able, last year, to export corn for the first time in its history, and a large number of farm boys became interested, through a corn contest, in better methods of farming. During the season more than 100 southern boys reported an average yield of 133 bushels of corn to the acre, while a South Carolina lad of 14 years produced 228% bushels on one acre, and a Louisiana boy produced 176 bushels of corn per acre at a cost of 9 cents

During the coming season there will be 45,000 southern boys under 20 years of age who will enter the government corn contest for which prizes are offered. To the ordinary observer this contest may not seem of special significance but when it is remembered that the soil of the southern states is largely run down and depleted; that cotton alone has been the principal crop and that all this interest means a rejuvenation of southern agriculture its importance will be appreciated

The future of this nation depends upon its agriculture and the future of agriculture depends upon the boys.

In recent years much has been said about agronomy. There are now many agronomists in this country.

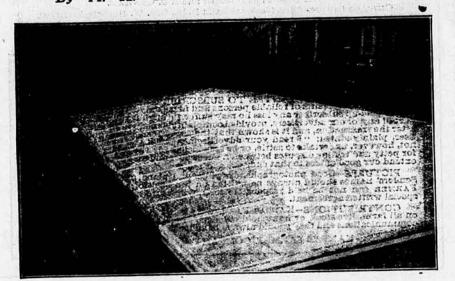
many agronomists in this country. The use of the term has become common. Yet the question, What is agronomy? if propounded to these same agronomists, would receive various and probably conflicting answers. There are at least two reasons for this condition, chief of which is that the growth of the subject has been so rapid that practice has far outrun definition and classification. Again, local conceptions of

fication. Again, local conceptions of the term are colored by close rela-

# Agronomy Proper Status Of

An Old Science That Increases Both Crops And Knowledge Under Its New Name

By M. A. CARLETON, Washington, D. C.



EACH SASH OF CONVENIENT SIZE SO THAT THE HOT BED MAY BE VENTILATED.

the term are colored by close relations in practice to certain other subjects, which are not the same in every locality. In Illinois agronomy is associated most closely with chemistry, in Iowa with physics and mechanics, and in Minnesota with animal husbandry. That our ideas of definition and classification do not keep pace with practice is shown in the definitions given in recent dictionaries.
The Standard defines agronomics as

follows: The science that treats of the distribution and management of land, especially as a source of national

wealth." Agronomy is defined as scientific husbandry, and an agronomist as one who applies agronomic principles to the management of land.

Webster defines agronomy as "the management of land; rural economy; agriculture." Agronomics is called "the science of the distribution and management of land."

According to the present concep-tion in this country, agronomy as a science may be defined accurately as the study of field crops and their re-lations to the environment; as an art it is the management of field crops and the soils in which they grow.
The derivation of the term is from
two Greet roots, agros, a field, and
nemein, to handle or manage, the literal meaning of the word being the handling or management of fields. In present use, therefore, we have not wandered badly from the original meaning, but have made the field crop, instead of the field, the unit of investigation.

Agronomy has been recognized in European countries as a definite subject of thought and action for a long period. In France the title "agron-ome" is common, and is applied to rural economists, managers of large estates, and to teachers and investi-gators of farm management, cultiva-tion methods, etc. In Russia the use of the term is much like the present use in this country. The Russian agronom (spelled without the French final e), is a well-known official of the general government, having duties exactly like those of present-day agronomists in this country, but his work is much less specialized, as might be supposed. Often the same official will have charge for a certain district of all questions of plant pathology, injurious insects, cultivation methods, and soil treatment.

There is no better time and place than the present to point out the importance of a clear and uniform conception of the proper status of agronomy. I will mention a number of common errors made with reference to the subject that are manifest. There appear to me to be others with respect to which there may be a dif-ference of opinion. In the first place agronomy is not simply "variety testing," though this is a common notion non-agronomists. Variety among trials simply to determine which gives the most bushels per acre belong to the days, only 20 years ago, when agriculture (agronomy) was defined as "an empirical art," yet agronomy has developed largely from these very eld-style variety trials; and every agronomist today has dozens or hundreds of verticals or strains on trial dreds of varieties or strains on trial, as a partial basis of his work, but results are reported by trained observers, not by farm superintendents, and scores of qualities, besides yield, are carefully studied. Agronomy is also not plant breeding, but includes it along with other equally important subdivisions. I have already defined agronomy as both a science and an art. As a science it investigates any-

thing and everything concerned with the field crop, and this investigation is supposed to be made in the most thorough manner, just as would be done in any other science.

The qualifications of an agronomist should therefore be of the highest or-der. There is a prevailing impres-sion otherwise, partly because of the plain fact that so many aspirants have obtained admission to the ranks before being ready to wear the badge, because of insufficient training. They may be fitted for farm superintendents, but not for agronomists.

Referring again to the apparently simple matter of comparing yields of varieties, a trained investigator finds this to be really a complex problem. Under favorable or even ordinary conditions yield tests are wholly unreliable-even misleading. Extreme conditions furnish the true test, and conditions furnish the true test, and the experimenter must be able to catch those qualities of obscure va-rieties that fit these conditions. The very popular Turkey winter wheat was grown by "variety testers" for over ten years without suspecting its good qualities. The principle of the correlation of characters lying at the correlation of characters lying at the correlation of characters lying at the foundation of all crop improvement is appreciated only by trained observers. The unmistakable marks are there, and they tell more to the "man who knows" than the measured bushel at the thresher.

The "Alaska" wheat fake was a case (not uncommon) of deceptive

The "Alaska" wheat fake was a case (not uncommon) of deceptive figuring. A single wheat plant of almost any common variety may produce 40 stools, but to multiply that by the number of plants usually grown on an acre proves nothing, except that in this case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case it proved to be a degree of the case o dangerous pastime. It would hardly seem to require the training of an agronomist to detect this deception, but there is more in the subject than appears at first sight. Grow a number of plants of the same strain together and soon you hardly recognize the individual. Instead of 40 stools you get three to five, while other characters suffer similar changes.

We are here confronted with the very interesting complication of a plant community, otherwise known as the crop—the same thing we have always dealt with, but didn't know it. We had thought we were dealing with plants simply, not thinking of characteristics of people of a com-munity are quite different from those of people who live alone, and so also the crop as a whole. A change in the point of view is necessary. The same results proportionally can not be expected from a crop that may be the characteristics of a crop are dif-ferent from those of single plants even of the same species or variety. These facts bring to mind the fun-damental value of botany in agro-nomic training and particularly of

that branch of it called ecology—the study of the plant community. This much-neglected branch of botany much-neglected branch of botany thus becomes of the greatest importance for agronomy, and, in fact, may be considered in a sense the transi-tion zone from general botany to agronomy, because the unit of study in botany is the plant, while the unit in both ecology and agronomy is the plant community.

One must be impressed by the frequent tendency to do things back-ward, more common, it seems, among Americans than in foreign lands. probably because of the intense desire of our people to get results quickly. The cart is so often ahead of the horse that we are accustomed to look for the cart first. Such is the course that has been pursued in much of the plant breeding of recent years in this country. No improvement in desirable qualities of plants is certain without knowing first the degree to which these qualities are already present in existing varieties. Yet men with little botanical knowledge of varieties and meager stocks for a foundation attempt much and get little. They are then led to investigate existing varieties more thoroughly and discover things they should have known before attempting breeding operations. There must be plenty of available material. We can not improve qualities that do not exist al-

ready in some degree.

The careful student of plants also soon learns that different methods are necessary in handling different subjects. But, know the plant and its life history thoroughly, and the rest is easy. Plant breeding should especially be kept distinct from animal breeding. The whole aspect of study in each is in no wise similar. To confuse the two leads to much income fuse the two leads to much inaccuracy of expression and waste of energy. It may seem proper to the animal breeder to speak of the "blood lines" in a turnip as well as in Jersey cattle, but the agronomist will prefer the traditional idea of this vegetable as to its sanguinary both literally and figuratively.

In soil investigations, physics and geology are the fundamentals, while chemistry and bacteriology are also indispensable. I am getting away from home in discussing this subject, but if allowed to criticise, I would suggest that more attention be given to bacteriology and geology, particularly stratigraphic geology, than is often given in the training of soil physicists. Investigations in such subjects as soil bacteria, action of enzymes, humus formation, etc., may also profitably take the place of much of the elaborate survey work as at present conducted.

Agronomic training, therefore, superficial, is not the kind that is de-manded, and will soon not be accept-

ed. The agronomist, in fact, look deeper into things and closer that the botanist in all his study of plant, for he is studying varieties, not species, and must make closer comparisons and finer distinctions. Varieties as well as species also differ in the treatment required for them. For ex ample, the proper cultivation of sol for spring wheat differs from that is quired for winter wheat.

If the agronomist must study exerything relating to the crop, has he erything relating to the crop, has he not me than he can do, may he asked? This is no doubt true it he field of eperation is not restricted. The increase in number of qualities and the complexity of environment may be counterbalanced by a he crease in the number of subjects of the area. Covered by limitation of the area covered. For example, instead of hardling all fell crops, only the cereals may be stud ied, or only one of the cereals or the cereals for a limited district. Specialization as to subjects or area is thus the only salvation for the ago omist in order to do thorough wor The special titles of "cerealist" an "tobacconist" are already in use. N doubt others, such as "cottonist" as "legumist," will soon be proposed.

I wish here to attack the impres sion seeming to prevail in certain quarters that the atmosphere of the higher grade of universities is neces sary to produce a true investigator This notion is similar to the old on that education in German universita was necessary for the best training It is now recognized that the chi advantage of study in Germany simply the influence of a new en onment. So also our agricultural of leges of the best grade and other dustrial institutions are equal to an of the universities in training of scientific work, and even have the advantage in natural science training because of the environment.

In preparing for agronomic work

whatever the previous training been, an agricultural course is neces sary to complete the education, as years of experience on the farm as to the students' ability. The so-demic course and the agricultur should be taken in different insile tions, and no graduate of an agricultural college should be elected to position in his own institution will out intervening experience elsewher There is a splendid opportunity to research work in the broad science agronomy, no doubt more than other sciences, as it is a newer st

There is a world of facts to less in the study of a single crop. It simplest things, too, furnish grows for the deepest study.

While agronomy is not a mere to of varieties, on the other hand shall never get away from that he of work conducted in the proper many ner. A writer, discussing the use the Adams research fund recently a well-known journal, does so in able manner, but makes a statement to the effect that "we can not of tinue to compare varieties of tinue to compare varieties of d bages or strawberries to determine the dener, but may be able to show how he himself can improve the true, but whether we or he make the improvements, it is impossible to so without a thorough comparison existing kinds, and there are also so many new qualities arising a new strains produced or discovery new strains produced or discove that these comparative students be endless. A year ago one of the perts of the Bureau of Plant let try resigned and accepted a positive resigned and accepted university. in a prominent university, we there is excellent opportunity research work. He does no graduate teaching and is a recognite leader of investigation. Recently leader hed the pleasure of inspect writer had the pleasure of inspe the field experiments of himself assistants, and discovered as teresting fact that the principal of their work is a comparison rieties or straightful assistants. rieties or strains. All correlations are discovered in this way, and the will always be new ones to find. hundred years from now the trained investigators will still "comparing cabbages and stress."

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# Farming The True Conservation

The term "Dry Farming in its nar-ower and more restricted sense is pplied to the practice of agriculture, nd the growth of crops in regions of mited rainfall through conservation i the natural moisture. In the broader ense dry farming embraces the thery and practice of scientific agricul-ure through which all available plant ood is conserved and utilized in such manner as to produce the best, the nost certain, and the most continuus results.

Men will differ widely in their views Men will differ widely in their views to just how much territory—measing by its annual rainfall—should be cluded in the regions where dry arming methods must be utilized to order to secure safe, certain and estable raturns in agriculture. onitable returns in agriculture. An annual precipitation of 20 inches has must be a robitrarily fixed as a aximum limit of what should be rmed "Dry Farming" territory, and et it is a fact that many regions of insiderable altitude, or of more northsistant soils, are safer as farming gions even under ordinary or slip-od methods, than other rogions of wer altitude, less drought resistant ils. having a considerably larger ecipitation. Moreover, it depends rgely on the character and distribution of the rainfall whether or not maximum benefits may be securfrom a certain precipitation. My resonal opinion is that no one can ord to farm under ordinary condi-ns in regions of less than 25 inches rainfall without adopting, to a ceron extent at least, those scientific incipals of conversation which have me to be classified under the name "Dry Farming."

am aware that the term we use describe our operations, methods, d practices has been severely critical, and, to a certain extent at ast, has deprived our movement of helpful assistance and influence some good people whom we would e to have with us but who are remely sensitive lest the region in ich the: live, and the conditions der which they operate, shall be signated by a term that denotes a nimum of humidity and thus possly effect settlement and land vals. We regret the loss and influence those who feel this way, but we are ifident that such a sentiment must, the nature of things, be more or s temporary. It simply illustrates hostility that is aroused whenever new or improved methods is prosed.

t is comparative recently that the m "irrigation" passed from the cat-bry of reproach and suspicion to it of favor and commendation. I Il recall the time when to say to a meseeker from the middle states t a certain territory was a good ion under irrigation was certain to ag forth expressions of contempt, trust or disapproval of the pracof irrigation. So when men first an to talk about dry farming there the same suspicion and distrust regions where it was frankly adted climatic conditions either comled or rendered advisable certain

The Old-New Method Which Applies In All Lands Both East And West

By F. W. MONDELL, President Dry Farming Congress



THE DOUBLE WALLS OF THE HOT BED ARE FILLED WITH HORSE STABLE MANURE OR EARTH.

modification of agricultural practice. Those with lands to sell took note of this frame of mind of the homeseeker and so sought to discourage the move-ment under a title, which, while con-fessedly not entirely descriptive of the methods and practices carried on, is at least frank and honest and the is at least frank and honest and the most comprehensive title yet suggest-

Fortunately, the objection to the term we are using is passing as the oncoming settler and homeseeker is beginning to realize the many and distinct advantages attending farming operations in what I shall take the lib-erty of calling "subhumid" region; advantages to a certain extent similar to those enjoyed and appreciated by the irrigationist, including some ad-vantages which the farmer of irri-gated lands does not enjoy, and lacking some disadvantages from which he suffers. When these advantages come to be more fully appreciated the dry farmer will be as proud of his title as the irrigationist now is of In fact, we have quite reached that point in many regions, and men who are settling western lands tell me that they make much better progress when they frankly state the conditions of climate under which settlers most operate.

In all the years since we began the conquest of the sub-humid lands we have had no such experience as that of the present season. Over a large portion of the territory from the Gulf to the Saskatchewan, from the Coast Range to the Father of Waters we have had an unusual condition of drouth and hot winds. This condition has not been uniform, it is true. Here and there regions have had normal, or approximately normal, conditions.

Taken as a whole, however, our Western country having ordinarily a limit-ed rainfall has suffered from drouth such as has seldom been known,

One would naturally suppose that such conditions as this would have been most disastrous to the dry farmer. To a certain extent this is true, but one who has kept in touch with the dry farming movement, and with the dry farmer, must have been struck with the wonderful spirit of hopeful-ness and confidence generally pre-vailing. Wherever I have been, wherever I have met dry farmers, the almost universal sentiment has been: "When we can do as well as we have in such an extraordinarily dry year, we are more confident than ever of the success of dry farming methods."

I am not altogether certain that the present year of drouth, hailstorms and frosts has not been a blessing in disguise, though I admit that the average dry farmer will insist that the disguise is complete. The fact is, for the past few years, it has been found so easy to produce crops without any unusual effort, in a large proportion of our subhumid territory, that men were loath to depart from their old established ways when reasonable crops might be produced without adopting dry farming methods. In other words, many farmers under limited rainfall have been laying up for themselves the write that comes to themselves the wrath that comes to him who is unprepared in a year like this. The men who have come triumphantly, at least hopefully, through the ordeal have been those whose practices were the most thorough and scientific.

The essential can be summed up in a few words—deep plowing to create

a sufficient reservoir; a period for water storage; surface cultivation to conserve the moisture thus stored; careful selection and planting—result a harvest certain and satisfactory. My experience is that the first essential in securing the adoption by the new dry farmer, or the reformed rancher turned farmer, in the sub-humid region, of scientific and practical dry farming methods is to prove to him that in the long run it not only pays, but as a matter of fact, the outlay in time and labor is less in proportion to the results obtained under dry farming methods than under the methods ordinarily practiced in humid regions. And when I say this I have in mind the practice of biennial cropping. I am simply expressing an individual opinion and one with results. ping. I am simply expressing an individual opinion and one with regard to which I realize there are numerous exceptions and qualifications, all of which, however, in my opinion, simply serve to emphasize and prove the virtue of the rule. virtue of the rule.

Above all things let us preach homemaking on the dry farms. The fact that shade trees, orchard and garden must in many instances be carefully tended in order to produce satisfactory results has a tendency to discourage these valuable adjuncts to homemaking, but dry farming shall be most genuinely successful in probe most genuinely successful in pro-portion as we shall make it a basis of attractive home-making, and this means diversified farming, fruit grow-ing wherever it can be made profitable, planting of trees, growing of veg-etables, and the cultivation of a wide variety of crops. All of these are first essentials in the development of any community through dry farming methods.

This is the day of conservation. No one knows exactly what conservation means, but everybody is supposed to be for it, each being left free to frame in his own mind his views and theory of what conservation consists. It being so proper and popular to be for conservation, I congratulate those connected with this movement—for of all the conservation enterprises in the world this dry farming movement is far and away the most practical, the most helpful and the most hopeful. We are real conservationists in that we are real conservationists in that by conserving the moisture that formerly only produced a sparse growth of grasses, of comparatively little value, we cover the land with homes, orchards, vineyards and fields of waving grain. We conserve the water that otherwise would go rushing across these sub-humid lands, causing floods and creating havoc elseing floods and creating havoc elsewhere, and hold it in the soil, thus converting the elements of destruction into instruments of production.

Our conservation does not retard and withhold but uses and develops. It involves not the tying up of resources but their utilization. It involves no questionable plan of State or Federal socialism but is a conservation of the conservat tion of the most distinctive individualism, far-reaching, wealth producing, health developing, home making, empire building. All hail dry farming! The ideal conservation.

FARM HOT

ew people realize how cheap and how valuable is a hot bed on the n. It only requires a few hours a small outlay of cash to make and when made its owner can enearly vegetables from two weeks month sooner than do his neigh-This editor now has lettuce. ishes and other vegetables that e been above the ground ten days other vegetables and flowers are ling along nicely. The hot bed in ch these are growing was made by and just large enough to accomate some old window sash which of the pit was arranged so that fould have good drainage and was a filled with a solution of the pit was arranged so that fould have good drainage and was a filled with a solution of filled with about 18 inches of h horse stable manure, well ped down. This was covered with inches of fine soil and some well ed manure. It was put in a very condition and the seeds sown deast and covered with the sash. the pit and before the manure into place, was built a board consisting of four short lengths x4 studding so cut as to give the

sash slope enough to allow the rain water to run off. To these pieces of studding were nailed boards, thus making a frame which extended about four inches above the ground on the south side and eight inches above the ground on the north side. The earth taken from the pitowas banked around these boards and some cross pieces nailed into the framework to prevent the rainfall from leaking through between the sash. The sash cost nothing, the manure nothing but the labor of hauling it, and the lumber was picked up about the place. Practi-cally all the cash that was expended was enough to replace two panes of broken glass in the sash. The early vegetables will soon be ready for the table and the flowers will be ready for transplanting as soon as the outside

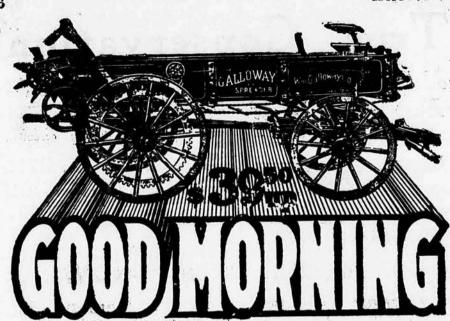
weather conditions will permit.

The seeds of lettuce, radishes, onions, parsley, cabbage, cauliflower, pepper, tomatoes and carrots were planted on February 9, and the radishes and lettuce appeared above the

ground four days later. This is later in the season than is necessary, but it so happened that the work of building this new hot bed was delayed because of other duties. In addition to these vegetables there are a very large number of flowers now growing which will be ready for transplanting as soon as seasonable weather arrives. The picture herewith shows something of how the frame may appear, but the following facts must be borne in mind: The frame is intended more for a support to the sash than as a part of the hot bed, though it may be used for both purposes. The newer hot bed just built is two feet deep as before stated, and filled with 18 inches of horse manure and 6 inches of finely pulverized earth, sand and rotted stable manure. A slope is necessary to the frame work in order that the water may run off when the rainfall is heavy, otherwise the seeds will be washed out of the soil or the young plants destroyed.

The size of the hot bed may be de-

termined entirely by the size of the sash that is available for its covering, but a surprising amount of seed can be germinated in a very small area. Of course, if it is desirable to raise early crops of vegetables like lettuce and radishes, a larger hot bed would be needed than if its purpose was merely to germinate the seeds for transplanting. It is always wise to set the hot bed on the south side of a building or some other structure that will protect it from the north wind and after the seeds are sown greatest care necessary is in giving proper ventilation. It is surprising how hot such a bed will get when the sun in shining and it is necessary to be careful that the water supply is abundant and the hot bed ventilated during the warm hours of the day when the sun shines. One of the hot beds on the writer's place has been in use for a number of years and it has proved so satisfactory that another one was built this spring. Aside from the delicious quality of the early vege-tables, which add much to the pleasure of living, there is a very considerable item in the reduction of the cost of food supply.



How are you today?

Did you write that postal card to me last night asking for my manure. spreader proposition for 1911? If you didn't, mail it this morning by first post and

SEND YOU 4 Things—All "Corkers" ON THE MANURE

They'll Open Your Eyes

1—My Four-Color Spreader Catalog
2—My New Net Results Bulletts
3—My Photographic Spreader Album
4—My Sizzling 1911 Announcement

Good Stuff

I don't care what prejudiced dealers (who are sore because they can't get from 30 to 50 per cent rake-off) may tell you about my machine. There never was nor is there today a Manure Spreader on the market at any price that will haul as much manure with as little resistance to man and team as the Galloway, and we let you prove this yourself by a THIRTY-DAY TO TWELVE MONTHS FREE TRIAL against the whole field.

In addition to the best Spreader, I have the Best Price Proposition tory with an annual capacity of 40,000 complete machines can make. Here's what I charge you

factory with an annual capacity of 40,000 complete machines can make. Here's was a factory with an annual capacity of 40,000 complete machines can make. Here's was a factory prices are based on—

FIRST—The actual cost of material bought in tremendous quantities.

SECOND—The actual cost of our pay roll every Saturday night.

THIRD—One very small profit, based on this tremendous quantity and sold direct to you. That simply is the secret of our low price. I don't need to make much on each one, do If Figure it out for yourself. I make them all alike on automatic machinery with dies and jigs turning out thousands of perfect pieces all alike with the same operation on huge, enemsive machinery, and that's thusands of perfect pieces all alike with the same operation on huge, enemsive machinery, and that's thousands of perfect pieces all alike with the same operation on huge, enemsive machinery, and that's thousands of perfect pieces all alike with the same operation on huge, and they never can compete which it sell them, there is no wonder that nobody can compete with me, and they never can compete with me unless they make them in the same way and sell them in the same manner. I can sell them to you for less money than some factories can make them at first shop cost.

The quality is there, too, and don't you forget it. Our trial to you will prove that.

Remember, hundreds of people are answering this ad today. Get the literature anyhow and notice its originality.

Remember, hundreds of people are answering this ad today. Get the interature anyhow and notice its originality,
You'll be pleased with what I have to tell you on this spreader subject,
My 1911 offer surpasses all previous offers. I don't care what spreader you are figuring on buying,
you can't afford not to get my proposition first.

WM. GALLOWAY CO. 389 GALLOWAY Waterloo, Iowa

# THE"FLOUR CITY"TRACTOR

#### WILL PLOW YOUR LAND CHEAPER THAN IT CAN BE DONE BY HORSES OR STEAM

Mandan, N. D., Sept. 25-10.

KINNARD-HAINES Co., Minneapolis, Minn KINNARD-HAINES Co., Minneapolis, Minn

Gentlemen—We bought one of your Flour City Tractors last spring. We used it for breaking, pulling six 14 in. plows. In threshing we pulled a 30-50 in. Separator with wing feeders and blowers and had plenty of power to spare.

We are plowing with it now, pulling eight 14 in plows and the way the engine walks away with them is enough to surprise anyone.

During all this time we have never had any trouble with the engine whatsoever, and I can get more power out of it now than when I got it.

If I buy another engine it will be a "Flour City" I think you have got the best of them all.

Yours truly,

Yours truly, E. W HAGEROTT.

The "Flour City" is recognized verywhere as the best designed, best will, strongest and most economical arm tractor made. Write for catalogue showing it in de-ail, and testimony of satisfied users.

### KINNARD-HAINES COMPANY

846 44th Ave. North, Minneapolis, Minn.

"WESTERN CHIEF" Sulky or Gang Plow SPRING LIFT FOOT TRIP

By our Liethod of selling at wholesale price to consumer, we can save you the retailers' profits. These will be an an acceptant of the profits of the summer was an acceptant of the profits of the perfection than any other foot-lift, prins lift and foot trip. These plows have high lift, foot-lift, prins lift and foot trip. These plows have high lift, foot-lift, prins lift and foot trip. These plows have high lift, foot-lift, prins lift and foot trip. The provided its constant of the lance spring, the plow bottom may be lifted its full height in the frame, and at the same time level the frame by the simple downward with an adjustable break joint, as well as a positive looking device, which securely locks plow bettom in furrow if desired. THE FRAME is of high-carbon steel. MOULDBOARD and SHARE are finest quality soft-center steel, POINT FIRST The PLOW BOTTOM.

BY ARE POINTS are reinforced; beams are extra heavy, and the bearings and hubs are DIRT PROOP, making this a very high-grade, satisfactory plow. PRICE, complete, with Pole, Nockyoke, three-horse Evener, Weed Hook \$31.85.

You cannot buy it from your dealer at anything like as low ment welling Coulters, only, \$31.85.



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# E FA!



Locust Posts.

I would like to know which is of more value for posts, the thorn locust

more value for posts, the thorn locust or the flowering locust. How do they compare in value with other posts?—
B. W. Tempero, Broughton, Kan.
By "thorn locust" we presume the honey locust is meant and by "flowering locust" the black locust is referred to. If our surmise is right there is but little comparison between the two for the purpose named. The the two for the purpose named The black locust is one of the finest woods that grows on the American continent for fence posts or where a very tough or highly polished wood is wanted. Its only objectionable features are to be found in its susceptibility to the at-tacks of borers and other insects while growing and its liability to "check" in seasoning. The other family of locust trees of which the coffee bean is an example is a softer and much less val-uable wood. If a little advice would be permitted here we would suggest that neither of the locust trees be planted. We would plant Catalpa speciosa provided we could get it true to name. It grows much faster than locust, is not bothered by insect pests, lasts as long when used as posts, will not "check" and loosen the fence staples, has no thorns and is by long odds the best and most useful American tree for artificial culture. Care must be taken to get the right kind, however, as the other species of catalpa are worthless. Kansas has the largest nursery of Catalpa speciosa in the world and one does not need to go far to get the genuine article.

#### The Tenants Side.

I am a renter who pays a high cash rental for 160 acres. I am interested in your discussion of the landlord and tenant question. I say keep after the landlord till they furnish hog pastures and houses. I have neither hog house, parture nor tool shed. I came from the east where they rotate crops and I have farmed here one year, kept down the weeds, raised a good crop and put brush and straw in all the washes. The landlord told others that I am the best renter he ever had but he raised the rent \$50 and will not improve the place though he is one of the nicest men I ever met. I think this is a fair example of all large land owners.—H. C. Brittingham, Pao-

la, Kan. The present system of renting farm land on 1 year leases is simply financial suicide It is not fair to either landlord or tenant. The landlord suffers by having his placed skinned

He cannot afford to distribute manure on the fields as he would get no benfit from it. He cannot afford to plant anything but annual crops, no or chards, no shrubs, no flowers, no alfa-fa, no grass, for the same reason. And yet these things would not only serve to make the farm more readily sale able but would be for its future good The landlord would make more money each year, secure a better class of tenants and have his land more valuable in the end if he would adopt the long term lease and cooperate with his tenants.

Co-Operation in Building Silos. Five farmers in the neighborhood of Litchfield, Minn., co-operated and purchased building material in large quantities. They united and aide each other in erecting a stave silo meach of their farms. The following is the cost of material and labor a building one of these, on the farm of Gilbert Gorgenson, who furnished these figures:

The silo is 36 feet in height and 16 feet in diameter. 116 pieces 2x6, 30 ft., Wash-

ington price.....\$11134 26 pieces 1x12, 12 ft..........\$10.4 Ripping boards corner to cor-Cement for foundation..... 15.00 raising .. ..... Paint ..... Labor of painting (3 coats...

This is the actual cost of the sh complete. The real cash outlay di not exceed \$200, as Mr. Jorgenson as boys did most of the carpentry, pairing and common labor themselva Staging was either returned or use on the farm; so no account is maded same, except labor.

Harware ....

To have the above silo built by contract today would cost about \$275.

Some Kansas Jerseys.

I have at present 35 head of pull bred Jerseys, all from sires whose dams have records of 18 pounds of by ter per week or over.

In the management of my herd feed corn fodder, oats straw and a falfa hay. For grain ration I grind to corn and cob together which we this makes a well balanced ration. I fee



PART OF JERSEY HERD OWNED BY MRS. FRENCH, MARION, KAN

each year while the tenant does not get a fair return for his labors because of this handicap. Two things stand in the way of a betterment of this condition and they are both within the power of the landlord to correct. In the first place most of the land that is now rented, is for sale and the landlord will not make a long term lease for fear it will interfere with a possible sale. In the second place, the short term lease compels the tenant to get the most he can out of the place during his lease with no regard to the upkeep of the property.

the calves by hand after the first hours. I give them whole milk is first month, then substitute separate milk gradually until I have them the tirely on a diet of separator milk which I add a grain ration of continuous c which I add a grain ration of the chop and bran or ground oats. ration with plenty of alfalfa is serves to give them a balanced raise on which they do well.

I vaccinate all my calves with bis legoids before turning them on gi in the spring and have not lost a with blackleg for six years.—Mrs C. French, Marion, Kan.

# OO FOR BEST LETTERS

on "HOW FARMERS CAN MAKE MONEY WITH GASOLINE ENGINES"

Write to Fuller & Johnson Mfg. Co. for Full Details—NOW!

Farmers all over this country are just beginning to wake up to the tremendous money-making possibilities of high-grade gasoline engines. Yet not one farmer in a hundred fully realizes the importance and moneyvalue of these aids to successful and more profitable farming, when applied to his own work on his own farm.

Good gasoline engines are mechanical marvels which mean immensely increased farm production, multiplied farm profits, Good gasoline engines are mechanical marvels which mean immensely increased farm production, multiplied that a higher standard of living and vast savings in labor and wages.

We are offering \$1,000 in cash prizes in order to get together the best ideas of practical farmers and farmers' sons on "How Farmers Can Make Money With Gasoline Engines." Our object is threefold:

First: To stimulate widespread interest in the subject of the profitable use of gasoline engines.

Second: To widen the field for gasoline engines by learning of every possible use to which they are and can be applied. Third: To familiarize farmers everywhere with the merits of Fuller & Johnson Double-Efficiency Engines, the most successful agricultural engines every designed or built. We are willing to pay big money for new and useful ideas.

cessful agricultural engines ever designed or built. We are willing to pay big money for new and useful ideas. The Most Intensely, Vitally Interesting Subject Before the Modern Farmer

Your letter may be the one to win the Grand Prize. Don't you think \$300 in cash is pretty good pay for

merely writing a letter?

And there are sixty-one cash prizes in all, making a grand total of ONE THOUSAND DOLLARS which we

are going to distribute to those who write the sixty-one best letters on this fascinating and important subject. The eminent men who have consented to act as judges insure absolute fairness to every contestant.

Whether or not your letter wins a prize, it will be worth a great deal of money to you to thoroughly investigate this great question. You will be astonished to find how the gasoline engine opens up a new world of possibilities. You will find all about your opportunities for more profit which had been entirely overlooked.

Costs Nothing to Enter the

There are absolutely no restrictions as to who may take part in this contest except that contestants must be farmers or the sons of farmers working on the farm. What we want is IDEAS, expressed in your own -without regard to literary style. You need not be an engine owner. The facts you give may be based on observation or experience.

We want ideas that are practical and valuable. It makes no difference what engine you have studied or worked with in gaining the information. It costs you nothing to try—and we urge you to "get in the game." A Nation-Wide Educational Campaign on the Money-Making Possibilities of Gasoline Engines

We have started this far-reaching educational campaign or the benefit of the farmers and the entire gasoline engine

It will focus the attention of the agricultural world on the

value of engines as labor-savers and wealth-producers. It will uncover countless unusual uses to which engines may be applied and prove of tremendous benefit to the farmers of this country.

# ER & JOHNSON Double - Efficiency

Every Farmer Cught to Own a "FULLER & JOHNSON" Let Us Tell You How to Get One at Lowest Price Possible

Fuller & Johnson Farm Engines are famous for Double-Ef-clency. The value per dollar being the greatest offered by any engine concern, makes our prices extremely low, and the value of our product correspondingly high. Our business was established in 1840. The great engine works of Fuller & Johnson have the most up-to-date and complete engine building equipment in the United States. They are manned by experts whose training and skill is unequalled in the engine industry. Our engines have won the foremost place in the favor of power users. The man who owns a "Fuller & Johnson" has the best that money can buy. Write us and we will tell you how to get a "Fuller & Johnson" from our nearest dealer at surprisingly low cost, quality considered, carrying with it the broad and liberal guarantee of the maker.

FULLER & JOHNSON ENGINES ABSOLUTELY UNEXCELLED

Fuller & Johnson Double-Efficiency Engines are sold at the lowest prices consistent with the high quality which has won their world-wide reputation. We build seven sizes—3, 5, 7, 9, 12, 15 and 18 H. P.—mounted or unmounted. Whatever your requirements may be, we have an engine to meet them. You cannot make an investment that will yield greater dividends year after year. Thousands of farmers, in every state in the Union, consider the "Fuller & Johnson" the ONLY Engine for farm use. Its high efficiency and matchless simplicity; its "frost-proof," "dust-proof," "troubie-proof" features have made it supreme among farm engines.

SEND COUPON FOR FREE ENGINE BOOKS AND \$1,000 PRIZE OFFER!

FULLER & JOHNSON MFG CO.



# Cash Prizes

for Letters on "How Farmers Can Make Money With Gasoline Engines"

Grand Prize						3	300
Second Prize							200
Third Prize							100
Fourth Prize							75
Fifth Prize -							50
Sixth Prize	-						25
Ten Prizes,	10	<b>e</b> 8	ch				100
Twenty Prize	es.	\$5	ea	ch			100
Twenty-five 1	Pri	zes	, \$2	e	ich		50
GRAN						-	,000

Any farmer or farmer's son working on the farm can compete for these splendid prizes. No expense or obligation incurred. Not necessary to be an engine owner to enter the contest. Ideas are what count, not literary style or grammatical correctness. Write just as you would talk, in everyday language. Letters must contain at least \$40 words, and not to exceed 1,000 words.

#### JUDGES

We are pleased to announce that the editors of leading agricultural papers have accepted appointment as judges of all letters sent us. This guarantees every contestant that the letter submitted will be judged strictly on their practical value and without any favor being shown any person.

The contest closes May 1st, the time having been extended at the urgent request of many busy farmers. Write at once for special Circular giving full details of the steat \$1,000 Cash Prize Offers.

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Coppright, 1911, National Cloak & Suit Co.

#### Have You Written For Your "NATIONAL" Style Book

Are you waiting? Have you postponed writing? Are you likely to lorget—that we have one "NATIONAL" Spring Style Book put away for you?

Then let us repeat that one
"National" Spring Style Book is Your very own, because we have reserved books for every reader of this publication. And we have taken this page in your magazine simply to tell you about this very wonderful new

Style Book. Every page of this 224-page book will prove to be a page of interest, and of beauty, of style instruction, of fashion opportunity, and of money saving. It shows you all the new styles in all kinds of apparel for Women, Misses and Children-andl all at money-saving prices.

"NATIONAL" Tailored Suits Made-to-Measure from \$15 to \$40

It is the most interesting Style Book ever published Pure Linen Hand-Embroidered Waist

- \$1.98 to \$14.98

\$3.98 to \$19.98 \$11.98 to \$22.50 98 cents to \$5.98 \$3.98 to \$14.98

Regular Price, \$1.75 Price, \$1.00

Postage Prepaid By Us.

Postage Prepaid By Us.

No. 21GH There are seven notable points about this be autiful waist.

First it is pure linen. Yes, Madam, we mean Pure Imported Irish Linen. It is Hand-embroidered—guaranteed—and prettily and neatly done. It is lace-trimmed as pictured, and it is one of the very newest and most delightful styles.

It is a regular \$1.75 waist, now offered at a friend-making price of \$1.00. And we pay the postage.

Fact No. 8 is, that if you are not delighted with this waist—if you don't think it actually cheap at \$1.75, send it back at our expense, and we will retund your money. The charming style feature of this model is the simulated front closing in effective point design, trimmed with lace insertion and a ruffle of edging, further enriched with Irish crochet buttons and hand embroidery. A yoke effect is formed of pin-tucks and wide tucks on the shoulders. The back, which closes invisibly, has clusters of pin-tucks, and the fashionable sleeves are tucked and lace-trimmed to form deep cuffs. A lace-trimmed high collar completes this very becoming waist. SIZES: 32 to 44 bust. White only.

Worth anywhere \$1.75.

Special Price, \$1.00

Be Sure to State Size Desired.

NATIONAL CLOAK & SUIT CO., 257 West 24th Street Mail Orders Only No Agents or Branches



# SUCCESS SPREADER

The only spreader with a 33-year record of good work. Simplicity, Durability and Light Draft always foremost. Direct Chain Drive. No Cog Gears. The choice of men who investigate thoroughly. Wood or metal wheels. A generation of experience back of every Success. The leader from the first. Exclusive features all patented. Catalog of facts Free. Write us promptly.

Marseilles Company, East Moline, Ill.



# Cabbage Weighing **24 Pounds in March**

3 Crops a Season From Same Land

No long winters, but an average of 512 working days a year, took needs little protection and thrives on grazing alone and the anabundance of good water. Send for our booklets and ead of the actual experiences of former Northern and Western armers who are rapidly becoming rich off the fertile lands of illabama, Georgia, Tennessee, Mississippi and Western Florida

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# LIVE STOCK



That there is a real shortage of hogs and that farmers and breeders can not "catch up" within the next two years or more is self evident even though conditions remain the same as they now are But these conditions are changing and meat, especially pork, is an essential element of our food, so that it is not likely that hog prices will ever become low again.

There will probably be a decided change within the next 90 days and the man who is prepared by having good hogs for sale will be lucky.

#### Berkshires to the Fore.

Last year Kansas sold 710 registered Berkshire hogs and thus placed herself second in the list of states. New York was the only state that sold more Berkshires during 1910 than

Some people seem to think that the Berkshire is not as popular as some of the other breeds of hogs when the facts are that the breeders can not supply the demand for them. They are perhaps not so numerous in this country as are some of the other breeds but of their popularity there can be no doubt.

American National Live Stock Assoclation.

The American National Live Stock Association counted its fourteenth annual convention, which was recently held at Fort Worth, Texas, as the most successful one in its history. A splendid program was presented, and every effort put forth by the officers to bring the success to which this great association is entitled. Very much of the federal legislation which has been enacted in recent years in favor of the live stock interests of the west, has been brought about by the untiring af-forts of the officers of this association. Their work has resulted in good, not only in direct legislation in behalf of the interests they represent, but in the prevention of adverse legislation, which is equally important. The land lease system under which the ranch men and range men of the west have access to the forest reserves for pasture purposes, was at one time a diffi-cult question, which was settled in a satisfactory manner to all concerned by the activities of these same officers.

At the Fort Worth meeting a series of resolutions was passed endorsing the creation of a permanent, non-partisan tariff commission, endorsing the work of the Department of Agriculture and the administration of the national forests; urging the fencing of reservoirs on public lands, the sinking of wells in desert places, federal control of unappropriated, semi-arid grazing lands, the classification of public grazing lands, and the exclusion of all diseased animals from live stock expositions.

Unfortunately, the dates of the meeting of this association have been in conflict for some time past with the dates of the Kansas Improved Stock Breeders Association, and the secretaries of these two bodies are now arranging for a suitable adjustment of this matter.

Murdo MacKenzie of Trinidad, Colo., was elected president; T. W. Tomlinson, 909 Seventeenth Street, Denver, Colo., secretary; Sam H. Cowan, Fo t Worth, Texas, attorney, and I. D. Graham, Topeka; T. M. Potter, Peabody; W. J. Tod, Maple Hill; and Andrew Pringle, Eskridge, were appointed members of the executive committee for Kansas.

#### Feeding Hay to Hogs.

At the Kansas Experiment Station the writer divided a number of hogs into two equal lots and fattened one lot on all the grain they would eat and the other lot on all the grain and dry alfalfa hay they would eat.

For every 100 pounds gained by the hogs fattened on grain alone, the hogs fed alfalfa hay and grain gained 173 pounds. The hogs showed a gain of 868 pounds of pork per ton of alfalfa hay fed. The same weight of grain

that was worth \$1 fed alone brough \$1.40 when fed with the alfalfa.

At the Nebraska Experiment Station hogs fattened on grain alog made corn worth 77 cents a bushe and when alfalfa hay was fed with the grain the corn brought \$1 per bushed

In a careful experiment made by Prof. R. J. Kinzer at the Kansas Experiment Station with fattening hop fed corn and alfalfa hay 100 pounds of alfalfa hay saved 96 pounds of con and he estimated that 1,520 pounds of pork was produced from the alfall hay from each acre.

Alfalfa hay is particularly valuable as a winter feed for brood sows, a saves more than half the grain, a mature brood sow fed all the alfalia hay she will eat does not need over two to four pounds of grain a day. The alfalfa furnishes in abundance the bone and muscle making material needed for the strong development of the unborn pigs. The sow fed aliah hay does not suffer from constipate as does the one fed grain alone at the hay stimulates the milk yield.

Growing pigs should have constant access to alfalfa hay whenever puture can not be furnished. It saws grain, lessens the cost of feedly, furnishes exactly the materials need the vital organs, makes more of the grain digestible, stimulates the appetite and keeps the bowels active.

Alfalfa is much the best hay a hogs, although the hay from any gume makes profitable hog feed—by from Canadian field peas, the clove, cow peas and peanuts. Hay from the other red top and similar greeses by othy red top and similar grasses in little value as hog feed. The leavest early cut corn fodder cured green as sorgham cut when the seeds are i milk make good hay for hogs, it though not nearly equal in feeds value to the hays previously recommended.

The leaf of the hay is the valuable part for the hog feed, the stems at too woody and are detrimental in a plant which is used to make hay in hogs. The plant should be cut what it has the most leaves and is in the best feeding condition and the his best feeding condition and the M cured in a way to preserve the least as green and fresh as possible.

In tests made by the writer at the Kansas Experiment Station what hogs are fattened on grain and alfah hay, 868 pounds of gain was put a the hogs per ton of hay with alfah cut when the first but when the cut when the first bloom appeared all only 333 pounds of gain per ton hay when the alfalfa was cut list. The late cut alfalfa had lost may its leaves begans like the state of the late of the late

The late cut alfalfa had lost many a its leaves before being gathered.

Fattening hogs need only a mode ate quantity of hay, enough so that they will consume seven to eld pounds of leaves with each bushel grain. Breeding hogs and grown pigs should have every day when so on pasture, all they hay they will exconsuming the leaves only.

Hog raisers are often advised to the cut or grind the hay or to cut soak it. The hay should be fed with

soak it. The hay should be fed with and dry. Both cutting and soaking more or loss of the same and same a more or less of the stems are estable and are detrimental to the observation. In a careful test conducted to the observation of off the writer there was a loss of four per cent from grinding all hay for hogs.

hay for hogs.

The hay can be fed daily in still low flat troughs. The most control ient way is to feed it in a portal rack. With either method, the step should be thrown out every day may be fed to either cattle or horse. The rack is made of 1x4 inch six is three feet high, six feet long is sixteen inches wide. The top is one the ends solid, and the 4-inch spaces between them, that the six four inches deep and is trough is four inches deep and tends seven inches beyond the four of the rack.—H. M. Cottrell, for merly of K. S. A. C.

A mean old thing says that married men always get better half bachelors get better quarters.

**Eight Styles** 

To Choose From

Made with RETURN OR ENDLESS

A ROY CAN

RUN

A man is known by the dogs he coeps. A mean man keeps a savage jae, a worthless one a hound, a lazy no a poodle, but an up to date busisess man keeps none.

Think it is good business to put all of your money in the bank and then neglect needed repairs about the place? Wouldn't a coat of paint pay as good interest as does the bank?

Away back in 1840 the statistics showed that this country was possessed of about a hog and a half for each man, woman and child. This proportion has been gradually changing until there is now less than 1/2 hog for each, but these figures are not really so startling as they at first appear. Statistics of this kind have little value now as, even with the same number of breeding hogs on the farm that our fathers had, our pork produc-ing capacity is more than doubled.

#### The Berkshire Futurity.

In preparation for a Kansas Berkin preparation for a kansas Berkshire futurity the secretary of the Kansas Berkshire Association sent out letters to each of the 300 Berkshire owners of Kansas and asked them whether they desired a futurity and if so at what point it should be add to the second of these to whom these and if so at what point it should be held. Not all of those to whom these letters were sent responded but the unanimity of the answers received was surprising. All voted in favor of the holdings of a futurity and all but one voted in favor of holding it at the Topeka State Fair.

#### The Percheron Merger.

By recent action of those interested the Percheron Society of America has absorbed the Percheron Registry Company. Under this friendly agreement he members of the Percheron Registhe members of the Percheron Registry Co. will receive shares of stock in the Percheron Society of America and all records made by the former will be accepted by the latter. This is a complete merger of the Percheron interests as represented by these two associations and will undoubtedly prove of vast benefit to the friends of this breed generally. Wayne Dins. this breed generally. Wayne Dinsmore, Live Stock Record Building. Chicago, is secretary.

A buyer of a breeding animal should always see him before the purchase. No matter how honest the breeder and selier may be and no matter how careful he may be in his description, there may be points which can only be decided with satisfaction to both parties by a careful inspec-tion from the view points of both the buyer and seller. The animal may be all right and all that is claimed for him and yet, because of his different viewning the viewpoint, the buyer may not be entirely satisfied unless he sees him beforehand. Expert fieldmen are to be trusted with buying commissions and their work is rarely criticised, and yet they can not see with the eyes of the prospective owner. The few dollars expense necessary to attend a good sale may be added onto the cost of the animal purchased and, if he is satisfactory, he will still be cheap. In nany cases the expert fieldman can buy better than can the customer but ven then it is often wise to attend he sale in company with the field-The education is worth something.

### **Appleton Manure Spreader** Buy

The frame is the foundation of a manure spreader—it must stay square and level or the machinery parts will soon stop working right. Our frame is made of solid oak-every piece is carefully select-

is made of solid oak—every piece is carefully selected, every piece well seasoned. It is braced and trussed by steel rods, so that it is always square and always level, all the time and under all conditions. There is no other wood as good as oak, for this purpose, and there is absolutely no other frame equal to the Appleton. See the picture—th at will convince any practical mas. STANDS THE STRAIN.

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haul; spreads thinly or thickly and
always evenly, from start to finish; has positive force feed; pulverizes thoroughly; doesn't bunch; has a changeable feed, operated without stopping the team; automatically balances the load; is so simple of construction and so easily operated that any boy, who can drive a team, can

run it.

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So confident are we that our machine will stand on its merits, that we guarantee the Apple Manure Spreader to be, and to do, all that we claim for it in our spreader Branchest book. This book of facts is free to you. Send for it today.

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our disc to buckle up in the center.

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tongue, the only one
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you to straddle a
corn ridge.

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"Old Hickory" and "Tennessee" Wagons

300.000 of these wagons have been sold. No wagons over gained a greater reputation. Because no better wagon has ever been made—no wagon has ever been made better. Choicest lumber money can buy skylim far heavier than the ordinary, every detail beyond practice and re-inspected. Iron and steel To farmors and users of "Old Hickory" and "Tennessee" Wagons: If you now have one of our wagons had one to be the proof of these wagons in all service, in all climates proves all claims. Write for the proof.

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Made in all sizes; solid or cut out; 16, 18 and 20-inch discs, with tongue or tongueless with the celebrated Bradley oscillating tongue truck. The Strongest and Most Up to Date Disc Harrow Money Can Buy.

Strong truss steel frame with levers conveniently placed; connecting bars from levers to discs run under a heavy steel adjustable yoke, holding discs level to cut a uniform depth. Oscillating spring

steel scrapers, operated by foot levers, clean the entire disc. Throw-off levers on each scraper section enable the operator to raise scraper from discs at any time with team in motion. Saves wear and lightens draft when scrapers are not needed.

Disc bearings run in dustproof oil soaked maple lined boxings, with oil tubes extending up through one-piece pressed steel weight boxes.

Discs are finest quality steel, sharp and specially tempered to hold an edge, but not so brittle as to break.

The Bradley Patent Spring Seat Post makes the Ideal the easiest riding of all disc harrows. Saves driver the joit and jar common to other makes, while the low down hitch relieves team of neck weight. The most humane tool of its kind for both man and team. Refer to our big General Catalog for pictures, complete descriptions and prices of David Bradley Plows, Harrows, Planters, Cultivators, etc., the farm tools backed by eighty years of knowing how; or send today for our Book of David Bradley Farm Implements.

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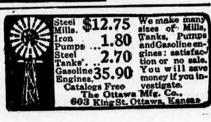
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# The GRANGE DR. H

Cooperative Buying and Associated Selling. Each subordinate grange in Kansas

should study and investigate cooperative buying in all its features during the remainder of this winter season, for soon the busy days will be here and our study time will be gone.

When large quantities of certain commodities are disposed of direct to the consumer then there is a consumer.

the consumer then there is a consumer's profit and Patrons are so organized that oftentimes advantage may be taken of the market and other circumstances and carload lots may be purchased and a great saving made to the purchasers.

Our merchants buy where they can buy the cheapest, quality considered.

Why not us? This need not alarm your merchant for the number of articles which we can buy in carloads is quite limited.

can buy in carloads is quite limited.

In selling oftentimes a car of cattle or hogs will bring more per pound than if sold in smaller lots. Neighbors, now that communication by 'phone is accessible to all, can very quickly find out what there is in the neighborhood for sale and combine neighborhood for sale and combine these products to sell to a better advantage at home or have as good a chance as before to ship.

When we can make a close or even correct estimate as to what it costs to produce the articles which we have to sell then we will be able to fix a selling price the same as all other manufacturers who when a finished product is turned out must figure on the cost and then fix the price at which he must sell to make a profit. whereas the prices of our products are often made by the other fellow and he seldom gets them too high.

Let us organize and get our neighbor to come in too. Many of the evils can be overcome by organization. Let us organize.

What the Grange Has Accomplished.

The work of the Grange is of such a nature that its greatest accomplishments can never be cited only in a general way. We may state how many dollars have been saved to the farmers of the country through co-operative trade arrangements and through mutual insurance companies, both fire and life, and something defi-nite can be stated in regard to the vast saving to the farmers of the country through wise legislation secured, and unwise legislation defeated through the influence of the Grange; but when we undertake to make any estimate of the moral, social, and mental development that has been brought to the farmer and his family through Grange influence and Grange teaching, we are lost in the magnifi-cent results obtained. It is absolutely impossible to give any intelligent estimate of the development of the no-ble principles of manhood and womanhood in the mind and heart of the million of people that have been connected with this order, and of the millions of other people with whom they have been associated. It is along this line that the grandest re-sults have been achieved. Thousands of farm homes have been made happier and better, and the members of farmers' families have been reaping farmers' families have been reaping the highest enjoyments of life through the quickened mental abilities by Grange influence, while a higher ideal in life has been reached through the development of the heart by true Grange teaching. With these general statements, we leave the most important results during thirty-two years of Grange work to the imagination of our readers.

In matters of legislation, among the

In matters of legislation, among the first objects to claim the attention and engage the efforts of the Grange were the state agricultural colleges of the country, many of which in their early days were united with, and became a part of classical colleges and universities, then in a large measure destroying their identity as agricultural colleges, and rendering them practically worthless for the objects for which they were established.

Through the influence of the Grange

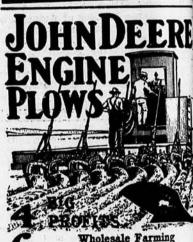
a separation has been effected in a majority of states, and distinct agricultural and mechanical colleges have been established. In most of those states where the efforts for a separation have not been successful, the college authorities have been forced to give much greater recogni-tion to agriculture, and with but few

keeps farm stock healthy. It stands, a guard against infectious animal diseases which sometimes sweep a community in epidemic form. You've no reason to dread hog cholera, in. fectious pneumonia, mange or other germ disease of live stock if you use Dr. Hess Dip and Disinfectant as a preventive.

It meets the government require mentasan official dip for sheep scab, also cure foot rotand kills sheep ticks. It destroys lice on cattle, poultry and swine.

It kills unwholesome odors from whatever cause and makesfarm buildings sanitary. Cost is trifling-benefits great. Write for free booklet.

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You would work twenty or third 2 horses if you could. You can ge better results with an engine and John Deere Engine Plow. Plowing done faster, better and cheapertha with horses.

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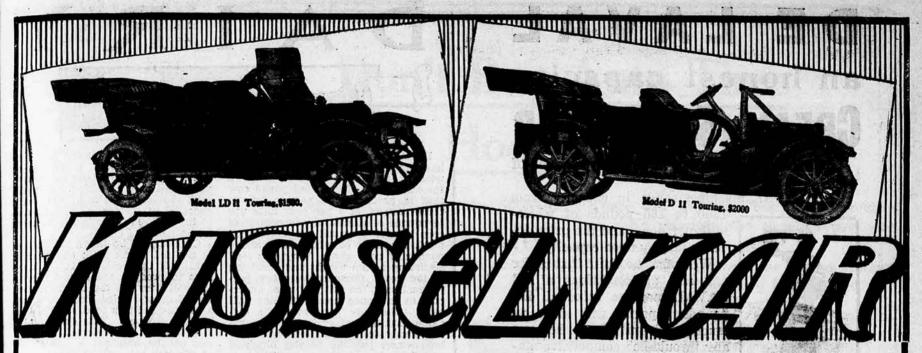
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EVERY INCH A CAR

This extreme comfort, and the fact that it is so easy to operate that even the girls of your house can drive, make the Kissel Kar the most desirable type of family car.

The Kissel Kar is especially built for country service—a standard, high quality automobile in every detail—reasonably priced—reliable for all roads—easy to control—not expensive to maintain.

Everything about the Kissel Kar is simple—the mechanical oiler on the motor practically takes care of itself—the brakes are extra powerful—the shifting from speed to speed is smooth and silent—the easy control makes motoring safe. You will learn to operate and feel competent to drive the Kissel Kar sooner than any other car.

Write for Free Portfolio beautifully illustrating and describing 17 models, including the 30 H.P. \$1500, and 50 H.P. \$2500, and 6 Cyl. 60 H.P. \$2500 Kissel Kars. It's valuable to anyone considering the purchase of an automobile. Sent free.

#### Kissel Motor Car Company 175 Kissel Avenue, HARTFORD, WISCONSIN

exceptions these institutions, separate and combined, are now doing a grand work in educating the farming youth of the nation.

It was through the direct influence of the Grange that the additional appropriations for agricultural colleges by the 1890 act of Congress were con-fined to instruction only in agriculture and the mechanic arts.

The Hatch act for the establishment of state experiment stations, which are doing such great work for the agriculture of this country, became a law by reason of the efforts of

the Grange to secure its enactment.
It was through the influence of the Grange that the Department of Agriculture at Washington was raised to the dignity of the other departments of the National Government, to be presided over by a Secretary of Agriculture in the President's Cabinet, thus giving farmers a voice in the policy of the government as it affects the agricultural interests of the country.

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ANY

EXCIL

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The transportation question engaged the attention of the members of the Grange in the early days of the order, and in the famous Iowa case the decision was handed down from the Supreme Court of the United States that all railroad franchises are subject to the power which created them; or in other words, that "the creature is not greater than the Creater"

Through the direct influence of the Grange, the Interstate Commerce Commission was established by act of Congress, which in a measure aims to control interstate traffic, and gives the people a means of redress from the injustice and extortions which are often practiced by those gigantic corporations, thereby saving the prople great annoyance and vast sums of money in reduced rates of transpor-

The subject of taxation has always engaged the attention of the Grange, and it is through the influence of this farmers' organization that in many states the burdens of taxation have been in a measure, at least, equalize 1 by a more equitable assessment of real estate between town or city and farm proprity, and by the enactment of laws taxing personal property and corporations which had hitherto paid little to the control of the control little, if any, taxes for local or state

The Grange is strenuously opposed to adulterations of all kinds and main-

ly through its influence state and national laws have been enacted to control the sale of oleomargarine and other butter frauds and protect the great dairy interests of the country from these vile compounds which the unscrupulous manufacturers would place upon the market as pure butter. Through the influence of the Grange

most maple sugar producing states have enacted stringent laws against the adulteration of this farm product, thereby protecting both producers and consumers from a spurious article.

The Grange successfully fought the driven well and sliding gate patents in the courts, saving enormous sums of money in royalties which were being extorted from farmers and others using them others using them.

Through the influence of the Grange upon Congress the extension of the patents on sewing machines was prevented, saving to the people fully fifty per cent in the prices, amounting to millions of dollars annually.

The Grange has a grand record of usefulness in legislation in nearly every state in the Union for its influence on the side of justice and equality in the enactment of many wise and judicious laws in the interests of the people, and for the protection and advancement of farming industries.

A recent victory of the Grange, and

one of its grandest achievements, is the establishment of rural free mail delivery in various sections of the country. The Grange was the first or-ganization to publicly proclaim that if it was right for the government to carry mail to the homes of people in cities, it would be right for it to carry mail to the homes of people in the country, and through the discussion of the question and intelligent presentation of the matter to Congress, appropriations have been secured; first, for experiment, and now practically for permanent establishment of the system of rural free mail delivery. This breaks up the isolation of farm life. will tend to secure better roads, and advance farm values wherever it ex-The results in this matter alone will justify the entire cost of the Grange from its establishment to the present day.

#### Teachings of the Grange.

While a successful subordinate grange is one of the chief stones within the foundation of our upper structure, and every patron should zeal-ously strive to attain and maintain a

successful subordinate grange, there are periods within the history of every grange when conditions outside of consideration in this connection will shake the confidence of even the strong-hearted.

It was the Grange that taught farmers, after ages of isolation, to work together for their own general wel-

It was the Grange that laid down the doctrine that while God at the be-ginning made agriculture honorable, it was the duty of the farmer himself to

maintain it as such.

It was the Grange that taught that true worth can only be reckoned by the social and intellectual attainments of men.

It was the Grange that first encouraged higher ideals of citizenship, and a more intelligent use of citizen privilege through a better understanding of public affairs.

It was the Grange that sought to

teach higher ideals in the management of farms and in home-making.

And the Grange is going to continue working along this line by improving the opportunity to develop a higher education for country life.

The time has come when we should appeal to all to exercise the faith that is in them, that more organization would be good for our country, and that we all get together and cooper-ate in building up our education, our economic cooperative interests and the general welfare of our country life.
We should appeal to all farmers

and leaders in agricultural affairs to get into the harness and all pull together along the line for the betterment of farm home surroundings

Assistant Secretary of Agriculture Willet M. Hayes said before a teachers' meeting: "Never were there such possibilities of improving agricultural production, farm home making and country society in general as at present. The new science, the new body of knowledge in agriculture is the basis of a new inspiration. These are times when country life affairs are looking up.

"Any reasonable well-directed efforts along lines well thought out will succeed in almost any community and for almost any good purpose.

"This is a time for sincere optimism, not for booming, but for substantial promotion of more and better organization in the interests of the

people who live on the American farms."

Eduction is coming to mean vastly more in production, in good living and in general social uplift in country and in general social uplift in country and in city than heretofore. The time has arrived when no other business requires greater study and thought than that of agriculture in all of its branches.—A. B. Judson, Master of the Iowa State Grange.

Cultivating Methods.

There is no denying the fact that methods of cultivating vary. Some farmers cultivate shallow and others deep. Of course much depends upon soil conditions. But there is one thing certain and that is that the cultivation should be thorough and the weeds kept down. It is also a fact that soil conditions and the "lay of the land" has forced cultivator manufacturers to build many types of ma-chines. One of the most complete lines of cultivators on the market is the Buckeye, manufactured by The American Seeding-Machine Co., Incorporated, Springfield, Ohio, and the farmer can get any style he needs—Buckeye Adjustable Arch Walking Cultivators with rigid or parallel spring shovel beams, Buckeye Sunbeam Walkers with adjustable week and spring showed beams. ers with adjustable arch and spring teeth or with side harrow attachment, Buckeye Sunbeam Adjustable Arch alanced Frame Walkers, Buckeye Dodger Pivot Axle Riding Disk Cultivators, which are the heat hillside. vators, which are the best hillside disk cultivators on the market; Easy Buckeye Riding Cultivators with pin or spring shovels, Buckeye Pivot Axle Riding Cultivators equipped with long or short axles, having four, six or eight spring trip or pin break shovels or spring teeth beams with ten spring teeth, acknowledged to be king of all shovel cultivators; Buckeye Hammock Seat Cultivators in all syles and sizes; the new Buckeye Narrow Row, that has such great latitude as to width of adjustment that it will take care of any narrow row crop and the wide row as well. Parties who contemplate the purchase of a cultivator should send to The American Seeding-Machine Co., Incorporated, Springfield, Ohio, for their cultivator pamphlets and then go to neir local implement dealer and insist on seeing the Buck-eye. Remember that these tools are sold under a warranty that amply pro-tects the purchaser—a guaranty that no manufacturer would dare to make unless his goods were absolutely right.

# DE LAVAL

# an honest capacity CREAM SEPARATOR

All separators are rated at so many pounds of

whole-milk per hour. DE LAVA! ... machines range in capacity from



1350 to 135 pounds of wholemilk per hour, and the price depends largely upon capacity.

We make the claim that under any and all conditions a DE LAVAL machine rated at 450 pounds capacity will skim as much whole-milk in an hour as any "would-be" competitive machine rated at 600 pounds per hour, and we have proved this statement so often in actual con-

tests, that it has come to be an accepted fact by all well-informed dairymen.

Every DE LAVAL separator is tested for capacity before it leaves the factory, and we guarantee every machine to separate its full rated capacity.

# Before you buy a Cream Separator See and try a DE LAVAL

Have one set up at your house and test it alongside of any other machine you like for capacity, cleanness of skimming and ease of operation. We don't ask you to buy a DE LAVAL upon "claims." We do ask you to be sure and give it a trial before you purchase any separator.

Catalog and full particulars of our "free trial plan" gladly mailed upon application.

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Information and book of letters from many users, free.

WILSON EAR DRUM CO. Louisville, Kentucie (13)

A BASKET OF FEED FOR 30 CENTS that makes hens lay in winter when same are high. We will send the recipe for 50

A. C. WARREN, Box 291, Detroit, Mich.



Here is a tested dairy ration that has the approval of men who have used it for long periods to keep up the milk flow. For a 1,000 pound cow that is producing 25 pounds or say three gallons, of 4 per cent milk use 10 pounds of alfalfa hay, 30 pounds of approved a pound of contractions. corn silage, 1 pound of cottonseed meal, 2 pounds of wheat bran and 4 pounds of corn chop. Vary this feed according to the weight and condition according to the weight and condition of the cow. Comparatively few people realize to the full just what an important influence proper feeding will have. The pure bred cow is a machine that is perfect in all its parts and ready to de even the town. and ready to do excellent work for her owner, but the results obtained will depend upon the man. The machine is there and the fuel but the man must bring the two together in proper combination to get results. A good cow with poor feed is no better than a poor cow. A poor cow with good feed may pay but a good cow with good feed is a sure money maker.

Buying a Dairy Cow. In selecting a dairy cow there are many things to consider. First, it is a good plan to examine a cow carefully and determine her possibilities; and next learn if there is anything to interfere with the realization of these

possibilities. The cow must have a good disposition and must also con-form to typical dairy type, according to the Industrialist.

A cow with a good constitution has a smooth, oily coat, while one in poor condition has a coat that appears rough and dry. The general carriage of the cow is also a very good indica-tion of its constitution. The disposi-tion of a cow is shown in the eyes. A

cow's disposition is a very important factor. The animal should be gentle and kind, and yet have the typical dairy, nervous temperatment.

Well developed milk producing organs are essential. It is easy to dispose the state of milk factory and a poor one. The udder should be large but not fleshy. The teats should be of good size. The milk veins should be large and they should enter well forward and end in good sized milk wells.

Taking Half Advice.

A good one is told on the dairy farmers of a section of country throughh which a "dairy institute train" recently ran. The lecturers on this train showed that the general average of production for the milk cows of the country was only about 150 pounds per year. They showed that such a cow was merely a boarder and made no profit for her owner and they urged the farmers to weigh and test the milk and get rid of the "boarders." Here is where the laugh comes in.

These farmers listened to the experts, then went home and tested their cows and then sold the cows and quit the dairy business. From being a good milk territory this section of country dropped off in its supply until it produced almost nothing.

Now the farmers are kicking themselves and they sure do deserve a kicking. They have lost nearly two years in time, their farms have suffered for lack of fertility and they are sadly out of pocket not only because of the loss from the milk production besides the heavy loss sustained in the change of farming methods.

How to Rear a Calf.

Did you ever rear a calf; After it has run with the cow long enough to have consumed the first milk, which takes two or three days, it is best to wean it and feed it by hand.

In teaching the calf to drink, place two fingers in its mouth and at the proper moment withdraw them and put its head into the bucket of milk. After a few lessons the calf will soon learn to drink.

It should be fed whole milk for about four weeks before you add any grain or skim-milk. The milk should be fed to the calf warm; that is, with the animal heat still in it.

The calf should be fed about four quarts of whole milk a day at first. After about three weeks one quart of skim-milk may be added. This skim-milk should be warmed. About a teaspoonful of oil-meal should be added to the milk, is the way the Industrial. ist puts it.

Care should be taken that the call is not fed warm milk one time and cold milk the next, for this is almost sure to produce the scours. In case the calf does get the scours it should be fed ground dried blood, in doses of a teaspoonful to a feed, until the trou-ble has stopped. This dried blood is sold at most feed stores. In case if can not be obtained a tablespoonful of common salt will be found very ef. fective.

Teach the calf to eat grain after it is four or five weeks old. Let it go without one feed of milk, so it will be hungry, and place a few grains in the calf's mouth. If you hold up its head

tit soon learns to chew the grain.

Corn should be placed in a box so
that the calf can reach it. All the
corn that the calf will eat up clean should be fed. In case more corn is fed than the calf will consume the box or trough should be cleaned be-fore the next feed. Calves will not eat so much if there is any feed left

The increase of the skim-milk should be gradual until the calf is about seven weeks old, when it should be receiving only skim-milk. The feeder must be governed by the size of the calf and its growth, but the average calf should receive about eight quarts daily when it is eight weeks old. When the calf is fed twice a day it will drink more milk than is needed, if it has a chance.

If the calf is born in the late fall or winter it should have access to bright alfalfa or clover hay. The stail should be kept clean. Plenty of clean straw should be used for bedding The calf should have access to a lo large enough for exercise and sur-

If the calf is born late in the spring it should have access to a good pasture. Good, cool water should be supplied. Alfalfa or clover makes excel-lent pasture for young calves.

Do High Records Tend to Product Non-Breeders?

A careful study of the advanced register of Guernsey cattle, brings out the following facts: There are 1.112 advanced registry records reported in the latest volume, and of this number of cows only 55 were reported not in calf at the close of their year's test, or a total of 4.9 per cent. There were 23 cows of all ages that had produced 400 pounds of butter-fat and were no in calf during their test, or a total of

2.06 per cent. The percentage of cows, of different ages, which were in calf during the test, was as follows

In the 5 year or above class, 93.3

per cent.

In the 41/2 to 5-year class, 95.5 per cent. In the 4 to 41/2-year class, 97.7 per

In the 31/2 to 4-year class, 95.6 per cent.

In the 3 to 31/2-year class, 94.9 per In the 21/2 to 3-year class, 96.5 per cent

cent. In the 2 to 21/2-year class, 95.4 per

cent. Putting this test on a little more scientific basis, and requiring cows, reported as being in calf. to two month in calf during the test we have a slightly different result not as large a per cent being 170 month or over in calf. Many cons with big records have not been bred until the close of their year's work but it seems reasonable to expect cow to be at least two months in call and it is an uncertain matter to report them safely in calf in less time. have therefore selected this period of which to have which to base my figures for this at 911.

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The cows of all ages which were two months in calf during the test, produced butter-fat in the following amounts per year:

amounts per year.

20.5 per cent produced 400 to 450 lbs.

22.2 per cent produced 450 to 500 lbs.

23.8 per cent produced 500 to 550 lbs. 85.4 per cent produced 550 to 600 lbs. 79 per cent produced 650 lbs. and up.

Taking the above report to be correct, we have the following results:
the association reports over 95 per cent of the record cows in calf before the close of the test. Barring out those cows reported in calf, but not found to have been two months in calf, the records show that 90 per calf, the records show that 90 per cent is a good average. It would seem, then, that records of 400 and 500 pounds of butter-fat can be made, without impairing the cow's capacity as a breeder, with careful feeding and management; but when a cow is forced to 550 to 600 pounds of fat per year, there is great danger of making her a non-breeder These figures have been worked out with Guernsey cattle; as the Guernsey Association is the only one giving the data required for the above information.

#### A Barn for 15 Cows.

I contemplate the construction of a cow barn with capacity for 15 cows. Will you please tell me the most desirable size for the building, the kind of structures used by the best dairymen and the general arrangment in-

side for convenience.

If it's not feasable to furnish this please refer this letter to some reliable person who will furnish the information asked for and I will pay for same.—Geo. P. Comer, Rushville, Neb. It is quite difficult to plan a barn

with a capacity for 15 cows when one does not know any more regarding the does not know any more regarding the details than you gave in your letter. If it is desired to have the cows in two rows, then the proper dimensions for the barn with a capacity of 15 cows would be 32 feet wide, and about 32 feet long. This will make room for 8 stalls 3½ feet wide on each side and an alley way at the end of about the same width. Stalls for dairy cows are made from 3 to 3½ feet in width are made from 3 to 3½ feet in width depending upon the size of the cows. For small cows as the Jersey, 3 feet is sufficient; but for large cows as the H lstein, 3½ feet is not any too wide. The barn being 32 feet wide, would permit of the cows facing each other with an 8 or 9 foot feed way, 3 foot measure.

manger, 4½ to 5 foot platform for stalls, 18 inch gutter and a 3 to 4 foot passage way back of the cows on each side. Some prefer to have the cows face out, giving for the reason that the cows will have more light, and also that the manure gutters will be in the center and the manure can be handled more easily. If the barn is lighted as it should be, the cows will lighted as it should be, the cows will have sufficient light when facing each other; and the question of having the manure gutters in the center instead of having the feed alley, is a matter of individual preference. I prefer to have the cows face the feel alley, because it will require less work to feed, since the feed used system have at since the feeds used such as hay, silage and grain are handled separately, whereas the manure is all handled in one container. The length of the platform on which the cows stand should be made 4½ to 5 feet long depending upon the size of the cows.

The barn can be kept in a more san-

The barn can be kept in a more sanitary condition by making the floors of cement and where plenty of beddia is used, one will not have any bad results. The swinging stanchions are the kind that is most generally used, as a cow can get a great deal more comfort in a stanchion of this kind than with the old rigid stanchions.

Windows should be put in so that 4 sq. ft. of light can be had for each cow.

cow. Some of the best dairy barns are built in a one story fashion without a y hay mow above. The object of this is to prevent dust from the hay sitting down through the milking barn; but a barn can be made just as sanitary with a loft above, provided a tight floor is made in the loft and the rafters are ceiled with matched celling underneath. A tight ceiling and floor can usually be made cheaper than an extra barn for keeping and storing hay.

Some system of ventilation should e provided for in this barn. The King system of ventilation is the most perfect system in use today. principle of this system of ventilation is to have outlets near the floor of barn which takes out the foul air, and the inless faces. the inlets for fresh air should be near

# Don't Buy Auto Tires That Hook to the Rim

Motor car owners now are using 500,000 Goodyear No-Rim-Cut tires. They are so that can't rim-cut—the tires 10 per ent popular that our tires sales trebled last year.

And 64 leading motor car makers have contracted for them this year.

These are the hookless tires—the tires

They are saving motor car owners millions of dollars by cutting tire bills in two.



These two tires—the No-Rim-Cut and ordinary-are fitted on the same rim. This is the standard rim for quickdetachable tires, also for demountable

The difference is this: The removable rim flanges are set to curve outward when you use a No-Rim-Cut tire. They must be set to curve inward—as shown in the picture—when you use an ordi-

These removable rim flanges can be set either way by slipping from one side to the other. So Goodyear No-Rim-Cut tires involve no change in the rim.

#### Rim-Cutting Impossible

The No-Rim-Cut tire, when deflated, comes against the rounded edge. Rim cutting is simply impossible. We have run these tires flat in a hundred testsas far as 20 miles—without cutting the tire in the slightest.

The ordinary tire-the clincher tireneeds to be hooked to the rim. The rim flanges must be set to curve inward, to grasp hold of the hook in the tire. That is how old-style tires are held on.

Note how that hooked flange digs into the tire when deflated. That is what causes rim-cutting. That is why a new tire may be ruined by running a few



hundred feet on a deflated tire. That rim-cutting usually adds one-fourth to one's tire cost.

#### How We Avoid It

We have invented a tire with an unstretchable base. We vulcanize into the base 126 braided piano wires. Nothing can possibly force this tire off until you unlock and remove the rim flange.

When this tire is inflated the braided wires contract. The tire is then held to the rim by a pressure of 134 pounds to the inch.

That is why hooks are not needed. Not even tire bolts are needed. The tire can't come off because the base is unstretchable.

We control this feature by patent. It is the only way known to make a safe, practical tire which doesn't need to be hooked to the rim. It is the only sort of tire which you will buy when you know the facts. For the worry and damage of rimcutting is now an utterly useless waste.



# Tires 10% **Oversize**

Goodyear No-Rim-Cut tires are made 10% oversize. The flare of the tire permits that when the rim flanges turn

We give you that 10% oversize without any extra cost. That means 10% extra carrying capacity. It means, with the average car, 25% more mileage

Most tires are overloaded by the extras one adds to a car. The top, glass front, gas tank, extra tire, etc., load the tires beyond the elastic limit. That is the cause of blow-outs. It is the cause of one-fourth of all tire expense. This oversize avoids that.

These No-Rim-Cut tires-these oversize tires-now cost the same as other standard tires. They used to cost onefifth extra.

These two features together cut tire bills in two. You can get them without any extra price by insisting on Goodyear No-Rim-Cut tires.

Our new Tire Book tells scores of things which motor car owners should know. Write us to send it to you.

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the ceiling of the barn. The outlets and inlets should be so arranged so there will be no direct draughts over the cows.

From the dimensions given above, you can figure out a plan to suit your own conditions. If it is desired to house the calves in the same barn with the cows, one can make the barn considerably longer so that the cows can be stanchioned on one side, and the calf pens and the box stalls on the other side of the food way.— J. E. Reed, Asst. Professor in charge,



why you should not buy the Silo that has been tried and The Moines Silo proven absolutely practical. The Des Moines Silo is constructed of the best materials obtainable, and has more exclusive features that have

been tested and found indispensable to a prac-

tical Silo than any other make on the market. Only highest-grade lumber goes into the Des Moines and it is carefully milled to the proper circle. The tongue and groove being inside the center stave, allow the heavy flange to be set on the outside to meet the strain, and prevents the Silo from buckling in a heavy wind.

The joint used for splicing our staves is self draining and is made with our own special machinery.

The Des Moines is the only Sile having the Patent Hoop Springs which take up the contraction and expansion of the staves without bursting the hoops. The Bevel Door and Bevel Frames never bind or stick.

A 1911 improvement is our Patented Roof which is illustrated in our catalog, which also gives full information regarding the many other advantages of the Des Moines.

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WE TELL YOU HOW. COSTS NOTHING TO LEARN.

Makes more money for cattle feeders as well as for dairy-men. An old German adage has it: "First build a barn, and the barn will build a house." We say: Build the Silo first, and it will build both the new baru and house quicker and easier than aything else.

\$10 to \$20 per acre more for your corn!

Put this extra money in your pocket. Why throw it away? We give you facts and figures from actual results in the feed yard that will prove eye-openers. Our experience and all information are yours for the asking. Write us now while you have it in mind.

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# WHITE PLYMOUTH ROCKS

(EXCLUSIVELY.)

For 13 years I have bred White Rocks, the best of all purpose fowls, and have some fine specimens of the breed. I sell eggs at a reasonable price. \$2.00 for 15, or \$5.00 per 45, and I prepay expressage to any point in the United States. TOPEKA, KAN. THOMAS OWEN, STATION B.

# Why Incubator Chicks Die

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

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Blackwell, Okla.

FRENCH QUALITY REDS

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R. S. FRENCH, Flushing, Mich.

PORT ARTHUR

THE ROUTE TO HOMES

# \$200 to \$400 per Acre

A PRODUCT TO SELL EVERY MONTH IN THE YEAR

No extreme heat in summer; no malaria; no mosquitoes, and the winters are mild and not long in the beautiful and delightful Ozark Region Intensive farming is the watchword of the nour and ad land values ar e increasing. Titles are good; invest-ments are safe and profits are sure.

.. FRUIT, TRUCK AND POULTRY FARMS

Along the Kansas City Southern Railway in Southwest Missouri and Western Arkansas there are many idle acres of the most fertile and productive land in the United States. It is being divided into 5, 10 and 20 acre farms, or larger, and sold on easy payments. It is exceptionally well adapted to fruit, truck and poultry raising. Strawberries, apples and poultry are the big money makers and many men who have located on these lands have made as high as \$450 per acre. \$200 to \$400 per acre is common. You can do the same and if you are industrious you can occupy your time at all seasons and have a product to sell every month in the year. You can buy these lands at from \$20 to \$25 per acre. Drop me a line and I will suggest that I have to be the heat leastions at recognition at recognition. gest what I believe to be the best locations at reasonable prices. Write me today.

ROUTE TO HOMES

S. G. WARNER, GENERAL PASSENGER AGENT, KANSAS CITY SOUTHERN RY, Thayer Building, Kansas City, Missouri.

PORT ARTHUR ROUTE

The Silo-It's Saving.

We say it should be called the "savings bank" of the farm, then it would be the bank of the biggest business in the world. Farming is easily our leading enterprise and it is one of the most dignified. To operate the farm at a profit requires the same business tact found in other of the great entertact found in other of the great enterprises-the railroads, manufacturing, etc., and the man that puts enthusiasm, mentality and work into his farm life receives good returns as well as respect and admiration of all classes.

We do not presume to offer this statement as any new thing but to remind the farmer that he is engaged in the greatest of all callings and to cope with other men in different kinds of business, he must keep posted and abreast of the times by bringing into use modern means and methods. The silo is a strong factor and its use plays a very important part in intensive farming, in that the silo adds nearly double the feed returns to every acre of corn. Think of it! Transforms one bushel into two—that means 20 acres of corn will feed about the same number of stock that require 40 acres of dry feed. This permits 20 acres more being seeded down to clover and timothy and in four or five years when plowed up will yield nearly double-makes new land. So it will be seen that the silo will help to renew the old land.

By actual test it is found that a corn crop can be harvested and fed out to stock through the silo as cheap as the old way. There are other advantages in its favor too—stock relish the feed more, keep in better condition, fatten faster, etc., and then it makes the feeding so much more especially in stormy pleasant,

The live stock problem is helped by the use of the silo. More stock can be fed—nearly two to one, and this helps in the rotation. The more helps in the rotation. The more stock fed on the farm the greater the quantity of manure. This properly distributed on the land means greater fertility, increased yield, more profit.

It is possible the time may come in this middle west when stock will be kept in lots and barns in the sum-mer as well as in the winter—fed en-tirely from the silo. We may not see it and yet it may come within a reasonable time. It is sure to come some time and that before our present pop-ulation is doubled. It will pay right now near the large cities.

This last summer made some owners of silos appreciate them more than ever before. When the pastures began to dry up it was a lucky farmer who had a silo to feed from, and these farmers, with such conditions, have helped to spread the knowledge of the

'silo saving.

The efficient experiment stations of several states and the bulletins issued on their work have been a great education and assistance to the corn producer as have also the splendid editorials in some of our leading agricultural papers and we are glad to note KANSAS FARMER is in the front rank. One manufacturer at least that we know of has very wisely quoted, or rather reproduced some of the excel-lent articles in their "silo literature."

Now to get it down to figures that we can readily understand, we venture to say the silo will save enough in two seasons at most to pay its first cost and then the purchaser can safely count on eighteen years' use for nothing, for a good fir full length stave silo should last from twenty to thirty years. And, by the way, don't consider cheaper lumber than fir at any price.

The question is, does the average farmer, do you, want to make the sav-ing that the silo will make? If so, there is but one thing to do and that is to adopt the some of the reliable manufacturers of fir lumber silos and get one or more of them. Buy early and be ready when your corn crop is ready.

The silo profit is like any other business, to get the most out of it. good business judgment must be used. Be ready to harvest the silage crop right on the day it is ready. We believe the corn should stand until it is advanced far enough to cut up for fod-der, then you get all the nutriment and the least amount of water. Cut the corn close to the ground.-Asheheim Farm, Franklin Co., Kan.

When you buy anything be certain you get what you pay for. If you get insect powder make sure it isn't wormy.





Made in the West for WESTERN FARMERS by a man who knows the requirements of western conditions. No eastern manufacturer can build you an entirely satisfactory silo any more than he can sell you successful seed corn without knowing your land, I have studied the West, was raised in the West and my Champion is just the Silo you need. Write for

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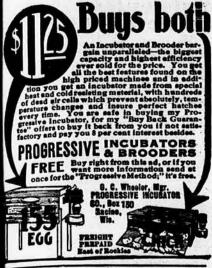
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When the incubator is working in a room temperature of 70 to 80 degrees in the day time and 40 to 50 degrees at night, the regulator should be set to hold hatching temperature, while the room temperature is at its low-est. Once so set, the variation in the room temperature will not be apt to affect the uniformity of the hatching temperature. Otherwise it may be necessary to make a slight adjust-ment of the regulator morning and evening.

I have had several chickens act as if they were paralyzed in the legs. feed mostly corn, some millet, alfalfa and wheat. I have had several with this disease. They seem to eat and drink well. Have had some live two weeks then I killed them. Can you me what to do for them?-Mrs. B. W. Frost, Lebanon, Kan.

From the limited information given in your letter of February 8 we should say your chickens were suffering from what is called "leg weakness." This is caused by over-feeding or too rich food. We should cut down on the wheat, if the chickens are eating much alfalfa; also on the corn ration. Let up on the feeding and give plenty of good water to drink, and the trouble will disappear-though the chickens affected will be a long time in re-covering and will be of doubtful value if they do fully recover.

Perhaps some people do not value the advertising columns of their family paper as highly as they should, but this is entirely due to the fact that they do not stop to think of the benefits they derive from those columns. No paper has its highest value which does not contain a goodly share of advertising matter. If this advertising matter is clean and wholesome and placed there by reliable firms or business houses, it gives the reader a ready reference library from which he can supply his wants should they demand immediate attention, or from which he can gain information that will be of immense value to him in the future. Read the advertisements in Kansas Farmer, and if you do not find what you want, ask the editor for information. He will help you all he

#### Danger in Poor Seed.

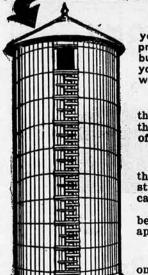
One of the incidental results of the recent State Corn Show was the discovery that a considerable amount of corn that looks good is really of poor seed quality. The fact should serve as a warning to the corn growers of the state; for the apparent meaning of the tests made is that much of the corn raised during last year is in such condition that it will not grow.

The Corn Show brought about a hundred and fifty samples of corn. After the prize-winning samples had been separated from the rest, two lots of forty ears each were taken at random from the remaining exhibits for a germination test, which was made under the direction of an expert. The results were surprising.

In making the tests six grains were taken from different parts of each ear and placed in a tester till they sprouted or had time to sprout. These tests were made in duplicate in order to secure a thoroughly reliable result. In the first lot of forty ears, the test showed that only seventy-five per cent of the corn was good; twenty-five per cent being worthless for seed. In the second lot of forty ears, better results were obtained, only fifteen per cent failing to grow, eighty-five per cent being good. The general average for the ty ears was eighty per cent In other words, two ears out of every ten were worthless for seed.

No farmer can afford to plant corn and have fifteen or twenty or twentyfive per cent fail to grow because of dead seed. Enough of the perfect grains will fail to produce good stalks without planting dead grains that might be used to some good purpose for chicken feed. The lesson is that farmers should test their seed corn before planting. They should be sure that every ear is a good ear in all of its parts. Then they may expect a good stand when they plant, and a good crop if soil and culture and weather conditions are favorable.-W. Working, Superintendent Agricultural Extension, West Virginia and formerly of Kansas.

# Kansas Hinge Door Silo



#### SAVES ITS COST BACH YEAR

It will enable you to keep three cows where you now keep one. It will reduce the cost of producing beef, milk, mutton and eggs. It will build up your soil and increase the value of your land. It will make one acre of corn worth two.

#### IS BUILT TO LAST.

Washington Fir, fully seasoned, is used throughout. Government tests have proven that it stands moisture and has a low degree of shrinkage and expansion.

#### POWERFUL FRAME AND LADDER.

A silo must be built to stand the storms that will come upon it. That is why we use a strong steel frame—the strongest frame we

The ladder is made of malleable iron-will bear the weight of five men—steps 15 inches apart, with 7-inch clearance.

#### CONTINUOUS HINGE DOORS.

The HINGE DOOR is patented. It is the one great improvement in silo construction. It makes the KANSAS SILO the leader. The HINGE DOORS are always in place, easily swinging into and out of position and are not scattered about the farm as box covers or "stepping stones" across muddy places. They will not bind or freeze and do away with the necessity for carrying them up and

freeze and do away with the necessity for carrying them up and down the ladder.

#### FULL LENGTH STAVES.

No "spliced" staves in the KANSAS HINGE DOOR SILO. Full length staves only, regardless of height. "Spliced" joints or two-piece staves are apt to bulge or break. The Full-Length

Stave Silo is far superior.

HIGH QUALITY BUT NOT HIGH PRICE.

We could not build the KANSAS HINGE-DOOR SILO better.

The highest quality material—every modern convenience—yet the price is but little higher than prices asked for Yellow Pine

Silos, which soon twist, warp and decay.

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in the entire tour, covering 2,852 miles. Not a single extra part was carried. Not a single tool was touched—an example of dependability never equaled. That's the kind of a car you want. A "notrouble" car on which you can rely with absolute confidence.

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# HOME CIRCLE

She cooked an unending procession of meals,
Preserving and canning and baking.
She swept and she dusted, she washed and
she scrubbed—
With never a rest from it taking.

A family of children she brought in the world
And raised them and trained them and
taught them;
She made all their clothes and patched,
mended and darned
Till miracles seemed to have wrought
them.
She watched by the bedside of sickness
and rain,
Her hand cooled the raging fever;
She carpentered, painted, upholstered and
scraped.
And worked tust as hard as a basic

And worked just as hard as a beaver.

And yet as a lady of leisure, it seems.

The government looks on her station;
For now by the rules of the census report,
It enters her: "No occupation."

—"Express."

A great convenience is a sponge and bowl of water close at hand when ironing to moisten dried-out spots.

A stiff feather from a turkey wing makes an excellent brush for cleansing the leaves of plants.

It is said that a most delightful sachet is made by taking a winter apple and sticking it, cushion wise, full

A simple means of removing mildew from garments is to wet the mildewed spots with cold water and then cover them with common baking soda and expose to the hot sun. Repeat this process every morning until the stains have disappeared.

When sewing if your machine belt becomes too loose don't stop and cut off a piece of the belt. Instead put a few drops of machine oil on it and in a few revolutions of the wheel the leather will have contracted sufficiently to run well again.

It is said that instead of greasing the griddle for cakes you can use salt. Have a small bag (about the size of an egg) filled with salt and rub this over the oan. This will do away with the disagreeable odor of the hot grease besides baving the cakes a nicer brown.

"I don't know whether to accept this testimonial or not," mused the hair restorer man.

"What's the matter with it?" de-

manded the advertising manager.
"Well," explained the boss, "the
man writes: 'I used to have three bald spots on the top of my head, but since using one bottle of your hair re-storer I have only one."—Pittsburg Press.

He Was Annoyed. Bill Nye used to tell this story of a Frenchman who was visiting in America. After opening his mail one morning he wore so gloomy an expression that his hostess asked him if he was

"NG, no," he replied sadly; "but I am dissatisfy. My father is dead."— Lippincott's.

#### At Butchering Time.

The art of butchering and caring for meats the average farmer learns as a boy on the farm. Not a few farmers put by enough meat and lard to last from one annual butchering to another. But of course there are always a few farmers who do not. But with the present high prices a meat a greater number of farmers than heretofore will find it more profitable to put by all the meat and lard they can use during the year, at butchering time, with a good margin left over.

Butchering time, of course, occasions a great deal of hard, also disagreeable work, but coming as it does in the coldest part of the winter, when the menfolks have little to do except chores, much of the work which is sometimes assigned to the women can be done by the men and boys; and the work finished in a much shorter time.

In butchering as little waste as possible should take place. At the packing house they say all that is wasted is the "squeal." Why not the farmer practice such rigid economy? All that cannot be used for food should be fed to chickens. With some house-keepers much of the waste comes after the butchering is over, in the preparing of the daily meals. All fat odds and ends of cooked meat should-

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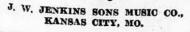
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quality and durability. We have often said, and we repeat it now that the Elburn H-2 is the BEST PI-ANO IN THE WORLD FOR OUR PRICE OF \$225. It is made after our own plans and specifications. We know that the quality of the material that goes into it is superior. We want you to see the Elburn H-2, to test it and to realize that all we say of it is true. Therefore, we will send the Elburn to you, freight prepaid. Try it carefully: have all your friends try it, and if it is not all we represent it to be, return it at our expense. You run or risk. The trial will cost you nothing. USED PIANOS—SCORES OF BARGAINS—many of them as good as new. All of their original value.

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be saved and fried brown and all grease saved for cooking purposes. All fried meat grease and particles of congealed grease on the top of gravies, and liquor in which ham has been boiled should be strained through thin cloth and put into a stone jar for future use. Grease from the top of gravies and liquor should the top of gravies and liquors should, of course, have all water removed by simmering slowly over the fire in an iron frying pan, until the particles which fall to the bottom are brown. Such grease is not to be despised for frying potatoes, pancakes, doughnuts, greasing bread pans, frying chicken or making pie crust for common use. The flavor it gives to the food is con-

sidered by some par excellent.

The following are a few good recipes for keeping meats, gathered at random by the writer:

Sausage: In making sausage cut the fat well out if you do not like it so greasy. Chop the meat very fine, if you prefer it add six pounds lean beef to forty pounds .pork. Season; to forty pounds meat, 1 pound salt, one-fourth pound pepper, and one-half pint sage. Mix well together. If you like savoy sausage season with sage, pepper, cloves, nutmeg and salt.

Sausage for winter and immediate use may be packed closely in stone jars and covered with melted lard and set away in a cool place. Sausage for summer use should either be fried or To bake, fill stone crocks ae sausage and bake in the with the sausage and bake in the oven until thoroughly done, cook mod-erately slow. When done pour over the sausage melted lard; when cold tie up and set away in cool place of even temperature. To fry, make into small cakes, fry until thoroughly done, place the cakes in jars or tin syrup buckets or fruit cans and pour melted lard over them. If preferred seal same as fruit, keep in a cool place.

Scraps: Every farmer of course uses the scraps of meat for making head cheese, scrapple, liver sausage, souse, etc., and each housekeeper has her own recipes for preparing them.

To Fry Down Beef: Fry the beef until thoroughly done in beef tallow or lard, seasoning to suit with salt or salt and pepper; put into a stone jar and cover well with hot tallow or lard. All bones should be removed from beef, and some prefer to trim off all fat. When cold tie up and set away same as fried down pork. It is best to put fried down beef or any kind of meats away in small jars, so that only a small quantity is opened at one time. Beef put up in this way will keep perfectly for summer use.— F. L. Flelds.

No. 8751. Ladies' Shirt Waist.

No woman feels that her wardrobe is complete without a sufficient number of shirt waists, and in planning for a supply, this practical design will be found most desirable for general wear. Percale, ginghams, seersucker, lawn or linen may be used. The back is plain, with a slight fullness at the



belt. The front has a center box plait with two wide tucks on each side of it. The sleeve is the regular shirt model. The pattern is cut in 6 sizes: 32, 34, 36, 38, 40, 42 inches bust measure. It requires 3½ yards of 24 inch material for the 36 inch size. A pattern of this illustration mailed to any address on receipt of 10 cents in silver or stamps.

No. 5872. Ladies' House Apron.
Pretty and dainty aprons are in great demand this season, and many new designs are shown. The one illustrated is quite novel and dressy and will protect the front of the waist



well as the skirt, as the bib comes up over the shoulder, and fastens in the back. Narrow edging was used to finish the edges. Linen, cross-barred muslin, lawn, gingham, and nainsook are all appropriate. Two yards of 36 inch material will be required for the making. Ladies' apron, No. 5872. One size. The pattern here illustrated will be mailed to any address on receipt of ten cents in silver or stamps.



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Cyclone Fence Co., DEPT. 131

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Telling how the Unadilla Silo adds profits to your farm. Tell us how much stock you want to feed. We'll send you the book and tell you the size Unadilla Silo you need. Write today. AGENTS WANTED. MAWRINS MFG. CO., 623 94 St., Dec Moines, Ia.

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# EMPIRE BUILDERS

By FRANCIS LYNDE



"WHAT YOU SAY GOES."

SYNOPSIS OF PRECEDING CHHAPTERS.

SYNOPSIS OF PRECEDING CHHAPTERS.

Stuart Ford, superintendent of the Plug. Mountain branch of the Pacific Southwestern railroad, and Jack Frisble, constructing engineer, determined to make the branch pay Ford went to New York to see President Colbrith, and on the train helped a young lady who had lost her purse. At President Colbrith's office Ford met Chas. Adair, a nephew, who succeeded in getting his uncle to advance the capital necessary to get control of the majority of stock. Ford returned to Chicago and President Colbrith came west with a party, one of whom was the young lady Ford had assisted, Miss Alicia Adair. After a long, hard fight Ford succeeded in floating the stock and the bonds were sold to a Dutch syndicate. Superintendent North, Ford's enemy, and Brian MacMorrogh, a contractor, went to New York for a conference with President Colbrith giving the centract to MacMorrogh Bros., and ordering Ford to consult North in all cases of doubt. Ford then visited the mining camps where railroad right-of-ways were in dispute, found that salcans and agmbling halls were running, and bought a half interest in the Little Alicia mine. President and general manager, in the midst of the fight regarding the laying of the new branch, President Colbrith arrived from New York with a party of friends in his car. Miss Adair, in a conversation with Ford, learned the condition of the camps. President Colbrith ordered his train run over Plug Mountain at night, which nearly resulted in a collision with a freight train.

#### CHAPTER XIX. THE RELUCTANT WHEELS.

THE RELUCTANT WHEELS.

T WAS possibly an hour after Penfield's cipher message reached the Southwestern Pacific's headquarters in the Colorado capital, when a fair-haired young man in London-cut clothes, and with a tourist's quota of hand-luggage, crossed the Denver Union Station platform from the Pullman of a belated Chicago train.

Ascertaining from a gateman that the Plug Mountain day train had long since gone on its way up the canyon, the young man left his many belongings at the check stand and had himself driven up-town to the Guaranty Building. It was Eckstein who took his card in Mr. North's outer office. The private secretary was dictating to a stenographer and was impactant of the

his card in Mr. North's outer office. The private secretary was dictating to a stenographer, and was impatient of the interruption. But the name on the card wrought a miracle.

"Mr. North? Why, surely, Mr. Adair. He is always at liberty for you. Right through this way"—holding the gate in the counter railing at its widest—"we're mighty glad to see you in Denver, always."

Adair had acquired the monocle habit on his latest run across the Atlantic, and to keep in practice he gave the secretary the coldest of stares through the disconcerting glass. "Really! I'm quite delighted. Who is the other member of the 'we,' Mr. —er—er—"

"Eckstein," prompted the secretary; but he said no more, being prudently anxious to be quit of the transfixing stare before a worse thing should befall.

In the inner room the vice president

fall.
In the inner room the vice president

Empire Builders. Copyright 1907 by Frances Lynde.

was less effusive, but no less cordial. It was a rare thing to see one of the company's directors in the Denver business offices, Mr. North was of the opinion that it would be a good investment of time and effort for all concerned if the members of the board used their privilege oftener. So on through half a dozen polite time-killers to the reluctant query: What could the general manager do for Mr. Adair?

Given leave to speak, Adair stated his needs succinctly. He wanted a special train to Saint's Rest: he wanted it suddenly, and he asked that it be given the right of the road.

"My dear sir!" protested the vice-

"My dear sir!" protested the vicepresident, "you mustn't talk impossibilities! You shall have the train at
once, of course: you shall have the train at
once, of course: you shall have my private car. But when it comes to the
right of way, you'll have to appeal to
Mr. Ford. Why, he doesn't scruple to
lay out the United States mails for his
material trains!"

"Um," said Adair. "Where can I
reach Ford?"

Mr. North did not equivocate; he
never lied when the truth would answer the purpose equally well.

"He is out on the extension; or more
correctly speaking, somewhere beyond
the present end of the construction
telegraph line. I'm afraid you couldn't
reach him by wire."

"And the president?" queried the
visitor.

"Mr. Colbrith's car is at the end-of-

"And the president?" queried the visitor.

"Mr. Colbrith's car is at the end-of-track. You wished to join the party in the Nadia?"

"That is what I had in mind," said Adair, not too anxiously.

Mr. North shook his head.

"I don't think you'd enjoy the run over the construction track. Mr. Colbrith went over it last night becausewell, because he believes it to be a presidential duty to inspect everything. If you leave to-day, you will probably meet the Nadia coming out—possibly at Saint's Rest."

Adair suddenly became wary.

Adair suddenly became wary.

"Perhaps that would be the easy
thing to do," he said. "I suppose the
engineers at Saint's Rest could put me
up if I have to stay there over night?"

"You needn't ask them. You will
have my car—with the best cook this
side of Louisiana. Keep it, live in it. till Mr. Colbrith picks you up on his return."

"All right. But you'll give me the special. And let it make as good time as it can, Mr. North; I'm flerce when I have to ride a slow train."

I have to ride a slow train."

The vice president's promise was freely given; and to expedite matters, the division superintendent's chief clerk went down to the station with Adalt to see the special train properly equipped and started on the mountainclimbing run. Adalt left the details to this orderly from the general offices; not knowing how to compass them himself, he had to. It ne could have seen the broad grins on the faces of his train crew when Dobson, the clerk, gave him the despatcher's order—but at that moment he was lounging in Mr. North's easiest chair in the central compartment of the "01," reading for the twentieth time a crease-worn telegram.

The telegram was from Alicia, and

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it was dated at Denver, three days gone. It was not very explicit; on the contrary, it was rather incoherent.

"You would better come on as fast as you can if you want to save your friend's life. He has been tried and found guilty—of just what, I don't know—and will be hanged pretty soon—within a few days, I think."

"Now that's a nice way to stir a fellow up, isn't it?" sollloquized the pleasure-lover. "Just as I was getting ready to go up to Mount Ptarmigan for the shooting, she knew that, too. I'll bet a picayune it's just a gir's scare. Ford's plenty good and able to take care of himself."

That was Mr. Charles Elward Adair's care-free phrasing of it; but three hours later, when the cook of the "01" served him the most appetizing of luncheons in the big open compartment, and the steeply pitched walls of the lower Blue Canyon were still stiting the outlook from the car windows, he began to grow impatient.

"Whereabouts are we now, Johnson?" he asked of the cook's second man.

"Between Cutcliff and No-Frorse; yes,

man.
"Between Cutcliff and No-Prorse; yes, sah. 'Bout forty mile from Denver.
"Great Scott! Fifteen miles an hour?
Say, Johnson, what do you do when you want 'em to run faster—pull this

Yes, sah; dat's it," grinned the ne-

"Yes, sah; dat's it," grinned the negro.

Adair pulled the air-cord, and it brought results—of a kind. Only the train came to a sudden stop, instead of going ahead faster; and Conductor Barclay, who had been riding on the engine, came back to see what had happened.

"Did you stop us, Mr. Adair?" he asked pleasantly.

"Not meaning to, you may be sure." said Adair. "But now you're here, I'll ask if there is any objection to my getting off and walking. I could stop and rest and let you overtake me now and then, you know."

The conductor tweaked the air-cord and the train moved on again.

"I've been expecting you'd shout at us." he said good-naturedly. "But we're doing the best we can. There's a freight wreck on ahead, and we've been dallying along, hoping they'd get it picked up by the time we reach it. I thought you'd rather keep moving than to be hung up for three or four hours at the wreck."

wreck."

Adair saw his helplessness and made the best of it. He was in Mr. North's hands, and if Mr. North was playing for delay, the delay would be forthcoming. None the less, he contrived to make Barclay uncomfortable.

"I'm only a director in the Pacific Southwestern, and I suppose directors don't count," he said nonchantly. "Yet, I presume, if I should ask as a personal favor, I might get a conductor's or an engineer's head to take home with me for a souvenr. How would that be? Do you think I could make it win?"

"You could do it, hands down Mr.

"You could do it, hands down, Mr. Adair. But I hope you won't feel as if you'd got to go into the head-hunting business. It's like the boy throwing stones into the pond; it's fun for the kid, but sort o' hard on the toad-

the kid, but sort o' hard on the toadfrogs."

Adair laughed. He was not one of
those who find it easy to bear malics.

"You don't talk half as bad as you
act," he said genially. "Down at bottom I dare say you're a pretty good
kind of a fellow. Had anything to
eat?"

Barclay shook his nead. "No; we
was laying off to get coffee and sinkers
at Clapp's Mine, if we ever get there."

"Coffee and sinkers," said Adair.

"That docsn't sound very upiffing. Sit
down here and help me out with my
contract."

Barclay did it, rather unwillingly.

contract."

Barclay did it, rather unwillingly. He was not accustomed to eating at the vice president's table, but there was no resisting the curly-headed young man when he chose to make himself companionable. Barclay sat on the edge of his chair, ate with his knife or fork indifferently, and had small use for the extra spoons and cutlery. But he made a meal to be remembered. Afterward, the young man found a cigarcase, and his own box of Turkish cigarettes; and still the special was going at the same slow cow-gallop up the canyon.

canyon.
"How many are there of you up ahead?" asked Adair, when Barclay's cigar was going like a factory chim-

ahead?" asked Adair, when Barclay's cigar was going like a factory chimney.

"Only Williams and his fireman."

"Dinner-buckets?"

"No; neither one of 'em, as it happens. Hurry call to go out with you, and both of 'em live too far to go home after the grub-cans."

"Johnson," said the dispenser of hospitality, calling the second man. "Think you could climb over the coal with soure dinner for the enginemen? No? Let me make it possible?—filpping a dollar into the ready palm. "Tell the cook it's an order, and if he stints it there'll be consequences."

Barclay grinned his appreciation. The curly-headed young man was far enough removed from any species of rallway official hitherto known to the conductor. But Adair was only paving the way.

"Do you know," he said, after a little interval of tobacco-charmed silence, "one of the things I am most anxious to see is a real railroad wreck. Suppose you quicken up a little and let us have our dead time at the scene of this disaster you speak of."

Barclay was tilting uneasily in his chair.

chair.

"I reckon they've about got it picked up and cleaned out o' the way by this time, Mr. Adair. I shouldn't be surprised if we could hardly find the place when we get there."

"Nor I," said Adair; and he sat back and chuckled. "It's considerably diffi-

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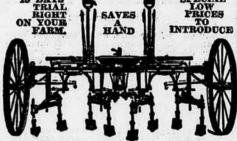
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cult to sit up and pull your rmagination on a man who has been decently good to you, isn't it, Barclay? Let me ask you: are you Mr. North's man?"
"Mr. North is the big boss."
"But this Plug Mountain division is a part of Mr. Ford's line, isn't it?"
"It used to be all his. There's a white man for you, Mr. Adair."
Adair saw his opportunity and used it.

it "Now see here, Barclay; I'm only a director, and I don't cut much ice out this way. But back in New York I'm one of three or four people who can tell Mr. North what he can do, and what he can't. You wouldn't want to see Mr. Ford getting it in the neck, would you?"

Mr. Ford getting it in the neck, would you?"
"By Jacks! There ain't a man in the service that wouldn't fight for him. I tell you, he's white."
"Well, Mr. Ford is in trouble: I don't know but he is likely to lose his job, if I don't see the president before the big ax comes down. That is between us two."

The conductor sprang out of his chair.

chair. chair.

"By gravy! Why didn't you say that at first? Say. Mr. Adair, you stand between us and Mr. North—tell him you gave the orders yourself—and you'll have the ride of your life from here to Saint's Rest!"

"Go it," said Adair; and two minutes after Barclay had let himself out of the forward door of the "01," the train took and door of the "01," the train took and door start and darted ahead at full

sudden start and darted ahead at full

a sudden start and darted ahead at full speed.

This bit of diplomacy on the part of Adair saved two full hours in the run to Saint's Rest. Nevertheless, it was after dark when the "01" pulled into the crowded material yard in the high mountain basin and Leckhard came aboard to find out what had brought this second private-car visitation. He was relieved not to meet North—to be confronted only by a pleasant-faced young man who seemed to have the car all to himself.

"My name is Leckhard," announced the man-of-all-work, "and I represent the engineering department. I saw it was Mr. North's car, and—"

"And you came to see what you could do for the vice president and general manager" Adair finished for him. "Mighty sorry to disappoint, you Mr. Leckhard, but my name isn't North; it's Adair, and I'm only a director. How much authority is a director allowed at this altitude and distance from New York?"

Leckhard laughed.
"I reckon you might call yourself

Leckhard laughed.

Leckhard laughed.
"I reckon you might call yourself
the ranking officer in the field," Mr.
Adair. What you say, goes."
"Then I say 'go'; which means that
I'd like to go—on to the end of the extension."

But now the engineer was shaking

But now the engineer was shaking his head.

"Ask me anything but that, Mr. Adair. None of our enginemen is at this end of the line, and your man Williams, who brought you up from Denver, doesn't know the way. More than that, if we had a man and an engine, I'd be afraid to send you out for a night run. Mr. Ford made it last night with Mr. Colbrith's car, and they used up ten hours in covering less than a hundred and twenty miles amd came within six feet of killing everybody."

Adair had lighted a cigarette and he did not reply until the match flare had gone out. Then he said, in a way that made Leckhard his friend for life:

"I'm entirely in your hands, Mr. Leckhard; can't turn a wheel unless you say so. And I believe you're telling me the truth, as man to man. Can you reach Ford of Mr. Colbrith by wire?"

"I'm sorry to say I can't. We have only the one wire and it's on termo-

wire?"
"I'm sorry to say I can't. We have
only the one wire, and it's on temporary poles most of the way. It broke
down on us this morning, and I can't
raise the end-of-track."

"Block number two," said Adair cheerfully. "We seem to be out of luck this evening." Then, with searching abruptness: "Do you call yourself Ford's friend, Mr. Leckhard?"

"Rather," said the Saint's Rest Pooh Bah. "He hired me; and when he goes, I go."

Bah. "He hired me; and when he goes, I go."

"Ah! now we are warming ourselves at the same fire. Let me invite your confidence in one word, Mr. Leckhard. I dislike Mr. North."

The burly engineer laughed again. "You have a geniusful way of putting your finger on the sore spot without fumbling. We all dislike Mr. North at this end of things—with reason."

"And that reason is?"

"That he'd fire the entire engineering department if he could find half an excuse. I'm afraid he's going to do it, too, in the most effectual way—by forcing Mr. Ford out. If Ford goes, every man in the department will quit with him. I'm afraid it's coming to that."

Johnson, the porter, had lighted the

Johnson, the porter, had lighted the Pintsch globes and was laying the covers for dinner.

"Make it two, Johnson," said Adair; and then to Leckhard: "You dine with me—don't say no; I couldn't stand it alone." And when that point was settled: "Now sit down till we thresh this out a bit finer. How far aas this forcing business gone? You're talking to the man who has backed Ford from the first."

"It has gone pretty far. North has obstructed, quietly but persistently, ever since the first blow was struck on the extension. He has delayed material, when he could do it unofficially, he scants us for rolling stock and motive power, he stands in with the MacMorroghs and backs them against Ford every time there is a dispute. Ford is a patient man, Mr. Adair, but I think he has about reached the limit." "Hm. Do you attach any particular importance to the president's trip over the extension?"

Leckhard shook his head. "I'm only

the extension?" . Leckhard shook his head. "I'm only

a passenger—I see what goes by the car windows. Mr. Colbrith was dead set on pushing over to the end-of-track—wouldn't even wait for daylight. You probably know him better than I

You probably know him better than I do—"

"He is my uncle," Adair cut in.
"Oh; then I can't tell you anything about him. He was hot at Ford last night; what for I don't know, unless it was because Ford opposed a night run over a raw construction track with the Nadia. He was right about that, though. If I had been in his place I would have thrown up my job before I would have taken the risk."

Adair appeared to be considering something, and when he had thought it out, the porter had announced dinner and they had taken their places at the table.

"I have told you I am Ford's friend, Mr. Leckhard; I have ridden a couple of thousard miles out of my way to give him a lift. Tell me frankly; have you any reason to believe it will come to blows between him and the president when they are together at the front?—Try this celery; it's as good as you'd get at Sherry's."

Leckhard helped himself to the relish, and waited until the negro, Johnson, had gone back to the cook's galley.

"The little I know comes in a round."

son, had gone back to the cook's galley.

"The little I know comes in a roundabout way," he replied slowly. "Penfield, who is known all over the Southwestern as Mr. North's private detective and spy, is with Mr. Colbrith acting as the president's secretary. Yesterday, while the Nadia was sidetracked here, Penfield had a lot of telegraphing to do for Mr. Colbrith. He did it himself—he's a lightning operator, among other things—and I happened into the office just as he was finishing. His final message was a cipher, to Mr. North, and he signed it with his own name."

"Well?" said Adair.
Again the engineer wasted until the

with his own name."

"Well?" said Adair.

Again the engineer waited until the negro was out of hearing.

"A little later, just as the Nadia was about to pull out, there came a rush call from Denver to Penfield. I answered and said the car was on the point of leaving, but that I'd take the message and try to catch Penfield if I could. It came, on the run, and it was signed by Eckstein, North's chief clork. It wasn't ciphered—lack of time, I reckon—and Eckstein took the chance that I wouldn't catch on."

"You kept a copy?" suggested Adair.

"I did. I wasn't able to deliver the original until the Nadia came back from the foot of the pass in the evening to fill the engine tank. But I couldn't make anything out of it. It was an order to Penfield not to let anything interfere with the president's buckboard trip—whatever that might be—with authority to incur any expense that might be necessary, using the telegram as his credential with the MacMorrogh Brothers if more money were needed."

"To pay for the buckboards?" asked Adair.

"You may search me," said Leckhard.

Adair. "You may search me," said Leckhard. "Only it could hardly be that—we have an open account at the Bank of Copah for legitimate expenses. No; there's a nigger in the woodpire, somewhere. Penfield is only a clerk; but for some purpose he is given carte blanche to spend money."

spend money."
Adair was absently stirring his black

Adair was absently stirring his black coffee.

"All of which points to one conclusion, Mr. Leckhard. They are plotting against Ford—without the president's connivance. But the president is going to be made to swing the club. I know rather more than you do about it—which isn't saying very much. My—a relative of mine who is with the party in the Nadia wired me three days ago from Denver that Ford had been tried and condemned, and was only waiting to be manged. That's why I am here to-night. You've got to get me to the end-of-track before it comes to blows between Mr. Colbrith and Stuart Ford. I know both men, Mr. Leckhard. If the iron comes to a certain heat, the past master of all the peacemakers won't be able to patch things together."

"Ford will resign," said the engineer.

"That is what I am afraid of; and

neer.

"That is what I am afraid of; and we can't let him resign. That would mean Mr. North for everything in sight and the ultimate ruin of the Pacific Southwestern. On the other hand, I can't have Ford fighting the family—or my uncle—which is just what he will do if he gets his blood up—and doesn't quit in a huff. It's up to you to trundle this car over to the seat of war, Mr. Leckhard."

The division engineer was thinking hard.

"I can't see how it's to be done, right now, Mr. Adair. But I'll tell you what I will do. Our empty material trains come back from the front in the night, as a rule. When they get in, and I can be sure that the track's clear, I'll double one of the construction engines out be sure that the track's clear, I'll double one of the construction engines out with you. It will be along toward morning, I'm afraid; but, with nothing in the way, you ought to make the run in four or five hours—say by late breakfast time."

'That was the way it was left when Leckhard went back to his telegraph den at ten o'clock; and some six hours later, Adair, sleepily conscious of disturbances, wakened sufficiently to hear the wheels once more trundling monotonously under the "01."

(Continued Next Week.)

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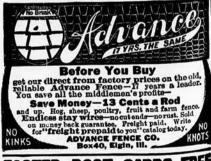
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PURE BRED ROSE COMB leghorn eggs from prize winners; 15, \$5 per 100; penned eggs \$2 Jennie Martin, Frankfort, Kansas. B WHITE ers; \$1 per \$2 per 15.

RGGS S. C. WHITE LEGHORNS; BRED for laying; choice eggs batching \$1.25 per 15, \$7 per 100; quie felivery. Model Poultry Plant, 13th and S Ini. Place, Lincoln, Neb.

MUCH SHOWN—NEVER DEFEATED.
S. C. White Leghorns, White H. turkeys,
Indian Runner ducks. Males and eggs for sale, MARY CULVER, R. 1, King City, Mo.

STINE'S BUFF LEGHORNS WON 1ST ckl., 1st pen at Topeka, Jan. 2 to 7, 1911; unexcelled as layers; stock eggs. Write for mating list, Mrs. H. A. Stine, R. 3, Holton, Kan.

MY STANDARD BRED S. C. BUFF LEG-horns won at Newton 1st cock, 1st and 2d cockerel, 1st, 2d and 3d hen, 1st, 2d, 3d and 4th pullet, 1st pen. Stock for sale-cockerels \$1 and up. Eggs \$2.50 for 15; \$5 for 100. S. Perkins, 801 E. First street, Newton, Kan.

FREE RANGE SINGLE COMB BROWN Leghorn eggs \$1 for 15; \$150 for 30 or \$4 a hundred. Clarence Wilkinson, Hewins, Chautaukua Co., Kansas.

"IVYWOOD" BROWN LEGHORNS LAY all winter; chicks run to pullets; book egg orders early; \$5 for 100 from range stock. Write for prices. R. O. Davis, Merriam,

#### RHODE ISLAND REDS.

RHODE ISLAND RED COCKERELS; beauties; both combs; \$1 to \$2. Mrs. W. E. Murphy, R. 1, Luray, Kan.

PURE SINGLE COMB RED COCKERELS \$2; 15 eggs, \$1. Belle Tyler, Haven, Kan.

SINGLE COMB R. I. RED COCKRELS, \$1; eggs \$1 for 15. Albert Coe, Yates Center, Kansas.

FOR SALE—ROSE COMB RHODE IS-land Red pullets, J. C. David, R. 2, To-peka, Kan.

ROSE COMB RHODE ISLAND REDS. Utility eggs: 15, \$1; 100, \$5; eggs from high scoring pens, \$1.50, \$2, \$3 per 15. Mrs. B. F. Weigle, Winfield, Kan.

PREMIUM WINNING REDS; BOTH combs; eggs and ecckerels; buy eggs from premium winners. R. Steele, R. 7, Topeka, Kan,

SINGLE COMB R. I. REDS OF QUALI-ty, good color, excellent layers, Write for egg prices. Filis E. Brown, 310 S. 11th, Independence, Kan.

S. C. R. I. REDS; 15 EGGS FROM FLOCK 75c; 15 eggs from pen, \$1.50. Little chicks 10c each. Mrs. E. B. Leinbach, Nickerson,

20 GOOD ROSE AND SINGLE COMB Red ckls. for sale; Tompkins strain; large, vigorous birds for farm flock; order eggs early from prize winning pen. Dr. W. C. Bradshaw, Ogden, Iowa.

ROSE AND SINGLE COMB RHODE IS-land Reds. As good as there are in the East or West. Have been breeding them 8 years. First prize winners at the leading shows and fairs. Ten matings to furnish eggs for hatching. Write for free illustrated mating list. H. A. Sibley, Lawrence, Kan.

PRIZE WINNING MOTTLED ANCONAS. Eggs: \$1.50 and \$2 per 15 or \$6 per 100. W. H. Hardman. Frankfort, Kan.

TRY ANCONAS FOR WINTER EGGS. I have the best that 11 years of experience breeding them has enabled me to produce. Circular, Mrs. A. R. Gosler, Matfield Green,

#### TURKEYS

FOR SALE—M. B. TURKEY TOMS FROM stock scoring 95 to 97 points. Vira Bailey, Rinsley, Kan.

BOURBON RED AND MAMMOTH
White Holland turkey eggs, Mrs. Henry
Tipton, Versailles, Mo.

40 VARIETIES OF GEESE, DUCKS, turkeys, chickens, peafowls, guineas, pheasants, pigeons and rat dogs. Catalog 4 cts. F. J. Damann, Farmington, Minn. "MAMMOTH BRONZE TURKEY TOMS and Scotch Collie pups for sale. Percy Lill, Mt. Hcpe, Kans.

FINE, LARGE WHITE HOLLAND TUR-key toms for sale at \$5 each. Address F. E. Wentz, Burlington, Kan.

BOURBON RED TOMS, \$4 EACH; EGGS in season, 10 for \$3.. Mrs. J. D. Gibson, Hamilton, Mo., R. R. 2.

#### SEVERAL BREEDS.

30 VARIETIES GEESE, DUCKS, CHICK-ens; catalogue free. Minkel & Co., Maple-ton, Minn.

PURE BLOODED LIGHT BRAHMA cockerels for sale. Milton Stephens, Sidney, lowa.

INDIAN RUNNER DUCK EGGS \$1 PKR Myrtle Casteel, Anthony, Kan.

S. C. BLACK MINORCAS EGGS—15 FOR \$1.50. T. F. Pine, Lawrence, Kan.

EGGS FROM PURE BRED POULTRY.
Mating list free. Harry Inman & Sons,
Keokuk, Iowa. FOR SALE—GOOD BUFF COCHIN COCK-rels. \$2.50 each. Mrs. Roscoe Culbertson, erels. \$2.50 es Sterling, Kan.

WANTED-SILVER SPANGLED HAM-urg eggs. Alva Alexander, Protection,

MAMMOTH PEKIN DUCKS; CREAM white beauties; good rustlers; drakes \$1.50 each; eggs \$1 for 13. Mrs. Una Higgins, Mountain Grove, Mo.

FOR SALE — WHITE WYANDOTTE cockerels, S. C. Brown Leghorn, Rose Comb Reds, Barred Rock eggs; chicks, M. A. Temlinson, Lureka, Kan.

BLUE ANDALUSIAN—THE PREMier egg layers; large size, beautiful color; eggs from high scoring pens; send for mating list, 419 E. L. T. St., Independence, Kansas.

CHOICE LIGHT BRAHMA COCKERELS, 2 each; choice setting eggs. Mrs.Adda \$2 each; choice setting eggs. Prickett, Wamego, Kan.

EGGS AND STOCK FOR SALE OF 8 VArieties of Leghorns; 3 varieties of Minorcas; also Blue Andalusians, Mottled Anconas, English Red Caps, R. C. Black Bantems, White Cochin Bantams. Mr. and Mrs. Otis H. Crow, Hutchinson, Kan,

MAMOUTH PEKIN DUCKS—7 MAGNIF-icent tries that have wone at Missouri State Show at Kansas City, Mo., Pittsburg, Kan., Muskogee, Okla. and Coffeyville, Kan. The grandest bargain ever offered. \$7 per trie. A. C. Branusdorf, Parsons, Kan. Box 214.

# BARGAINS IN LAND

### For Sale on Best of Terms

160 acre improved farm 25 miles from Kansas City, 1½ miles from railway town, 6 miles east Spring Hill, Johnson county, Kansas, all smooth and tillable: 6 room 2-story frame house, barn, double cribs and granary, good well and outbuildings, nicely located, rented for cash for 1911. Price \$75 per acre, \$4600 cash, balance 5 per cent annual interest; can run 15 years; any or all can be paid any time.

U. S. REALTY CO., Spring Hill, Kansas.

### COME TO FORD COUNTY AND GET RICH

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

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

#### A GOOD COMBINATION FARM

240 acres, 125 acres in a high state of cultivation, 110 acres in pasture, 30 acres alfaifa, fenced and cross fenced, 40c rods of 43-inch woven wire, watered by two fine springs producing a heavy flow of water at all times, 5 acres of fine orchard, consisting of all kinds of fruit, 5 room cottage, horse barn, holds 12 horses, hay mow, cattle barn 40x60, granary and corn crib, etc.; 1½ miles to school, 3½ miles to two railroad towns in Kingman county, Kansas. Price \$10,000.

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

8e ACRES, 1/2 cultivated, close Ry. market, 7 room house, good oarn, water, fencing, \$2500. Foster Bros., Independence, Kan.

1120 ACRE COMBINATION RANCH. 25 head horses and colts above average, and one registered Percheron stallion, Write for particulars. 80 acres first-class alfalfa land in famous Artesian Valley at a great bargain. WM, MILLER, Meade, Kan,

IF YOU ARE INTERESTED IN CENTRAL HANSAS, WESTERN KANSAS OR COLO-BADO LAND FOR A HOME OR INVEST-MENT, STATE YOUR CHOICE TO C. C. WALLACE, BROOKVILLE, KANSAS.

#### YOU'LL LIKE LINN COUNTY, KAN.

we have abundant coal, wood, natural gas and good water. The land raises magnificent crops of alfalfa, timothy, clover, bluegrass, cats, corn and wheat, R. F. D. and phone at your door. Price \$20 to \$50 per acre. List free. A. E. ROOT, Pleasanton, Kan.

FOR SALE—General merchandise, small town; excellent opportunity for live man. Address State Bank of Cummings, Cummings, Han,

BUY OF OWNER - SAVE COMMISSION. A nice valley farm of 320 a., 3 mi. of Fredonia, county seat, best gas town in state, all tillable, 110 a. in cultivation, balance in meadow and pasture, good 5 room house, big barn and other improvements, free gas, also income from gas wells on farm. telephone and R. F. D. Easy terms. Buy of owner and save commission. A snap at 42.50. Must sell. Write

LOCK BOX 807, Fredonia, Kansas.

IF YOU MEAN BUSINESS and have real estate and merchandise of any kind for sale and exchange, and are willing to pay a commission should I make you a deal, write me at once of what you have and degire 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.

#### READ THIS BARGAIN

160, Anderson county, Kansas, joining small town, 120 cult., 30 timothy and clover, 7 room house, barn, etc. Price \$8,006. 160, 2½ miles of Welda, Kan.; 60 cult., balance meadow; all tillable; no buildings.

SPOHN BROS., Garnett, Kansas

MARSHALL CO., KANSAS, LAND - 480 acres, 3 miles from town, 160 acres under plow, 70 acres in aifalfa, balance good limestone suosoil pasture; 9 room house, 10 horse barn, stone cattle barn 30x140, some timber, and elegant spring. No better stock farm in the county; good orchard. \$55 per acre. Terms to suit purchaser. E. F. Bewey, Blue Rapids, Kan.

#### LIVE AGENT WANTED

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

FRIZELL & ELY, Larned, Kansas,

ANDERSON COUNTY—100 acres, 60 acres in cultivation, balance pasture and mowland, fine soil, no rock. A new 9-room 2-story house, cement cellar and walks. Good barn and other improvements; half mile to R. R. town. \$65 per acre. A snap. Write for full description.

GEORGE W. ILER & SON, Garnett, Kan.

YOU'RE NEXT—160 a, improved farm, 60 a, in wheat, 100 a in pasture, all can be farmed, 3 roomed house, stables for eight horses, sheds, etc.; 1% miles to school, 6 % miles to town. Price \$2,500; \$1,000 cash, balance terms. No trade, STINSON & SHELDON, Spearville, Kansas.

#### THE BEST TOWN TO LIVE IN.

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

SECRETARY of the COMMERCIAL CLUB, Topeka, Kansas,

#### SAY BUCKEYE AGENCY, Agricola, Kan.

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

LEAVENWORTH county farms. Send for list. J. C. Lanning & Co., Tonganoxie, Kan.

COME to Butler Co., Kan., for a home, 40 to 720 a., prices right, Benton Land Co., Benton, Kan.

SOME splendid bargains in Famous San Luis Valley. Cline Land Co., La Harpe, Kan. GET OUR BOOK OF 500 FARMS and properties everywhere to trade. Graham Bros., Eldorado, Kan.

FOR SALE—Eastern Kansas black prairie corn, alfalfa and clover farms. Some exchanges. Write today for free list and map. G. T. KINSEY, LeRoy, Kan.

you want 'a bargain write for free list of Anderson county farms. You want a trade list with us. Holcomb Realty Co., Garnett, Kan.

EASTERN KANSAS, 160 joining a live town; fair buildings; all can be farmed. Only \$75 per acre if sold Feb. 10. Bichmond Land Co., Bichmond, Ks.

NESS COUNTY, KANSAS.

If you want wheat land, if you want alfalfa land, if you want pasture land, if you want improved land, I've got it. If you will write me just what you want, I will find it for you at prices that can't be discounted. J. G. COLLINS, Ness City, Kansas

SEVERAL good farms to trade for stocks of merchandise and land to exchange for city property. Land in the fertile Gulf Coast of Texes, \$20 per acre, on payments; fine climate and farmers get rich in a few years, We go down twice a month. Write me for particulars, Henry G. Farsons, Lawrence, Kan.

#### 140 ACRES JOHNSON CO., KAN. Every foot tillable;45 acres timothy and

clover, 10 acres in wheat, 30 acres English blue grass; never failing spring; close to school; only 2% miles to railroad and 33 miles to Kansas City.

Nothing finer in Eastern Kansas. Immediate possession. Price \$100.00 per acre.

C. H. CHANEY, Spring Hill, Kansas.

EASTERN KANSAS FARM BARGAINS. 80 acres, 2 miles from Osage City, 40 acres under cultivation, 1 acre orchard, balance native grass, 5 room house, good cellar, barn for 6 horses with loft, corn crib, 2 hen houses, and other out buildings, plenty of good water, close to school, R. F. D and phone, price \$4,000,

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

level second bottom, 4 miles from county seat, 10, acres under plow, 1f acres alfalfa, running water fed by spring, 5 room house, barn for 6 horses, large hay shed and other good improvements; good bearing orchard, Price \$85 \per acre: easy terms. Joseph D. Ryan, Abliene, Kan,

#### FOR SALE

1,700 acres of my 4,400 acre ranch in Kearney county, Kanssas, on the Arkansas River and Santa Fe R. R.; 700 acres alalfa land, 60 acres in alfalfa; all fenced with three and four wires; 6 room frame house stone basement; barn 25x50 feet, part stone basement; stock sheds with iron roof, all well built and 300 yards south of Sutton Flag Station; wells at house, barn and in pasture. Reason for selling: Too big for my foreman to look after. John Shinkle will show place. Price \$2¢ per acre net to me.

H. H. SMALLEY. Springfield, Mo.

IMPROVED Anderson county corn, wheat, oats and alfalfa farms at \$40 to \$60 per mere. Write for our free list. Also good exchange propositions. Rice-Daniel Land Co., Garnett, Kan.

#### WILLIAM OF COLLEGE WALLACE COUNTY

320 acres, raw land. 4 miles south of Sharon Springs, Kansas, \$10 per acre. Address Box 15, R. F. D. 1, Bushton, Kan.

# **NEAR GULF** COAST REGION

on the Kansas City Southern R. R. at Pickering, Vernon Parish, La.

AN ACRE A natural stock, dairy, and poultry country. For ages grown even in winter. Soil especially adapted to early truck, fruits, and great variety of crops. Good markets. Farm buildings not costly; lumber plentiful. High altitude, 80 inches annual rainfall, perfect drainage, pure water. Invigorating and healthy climate. Write for free booklet.

J. D. LABRIE, General Land Agent. 568 Reith & Perry Bldg., Ransas City, Mo.

NEW YORK FARMS.

Well improved and for sare now at \$40 to \$60 per acre; grow biggest and bost standard crops. For free select list ask McBurney, Stocking & Co., 279 Dearborn St., Chicago, Ill. No trades.

#### JOHN W. BAUGHMAN

LIVE AGENTS WANTED
to sell town-lots in Best Little
City in Southwestern Kan, Prices
\$12.50 to \$50. Easy monthly payments, Best selling proposition
over placed on the market, Good
commissions, No Experience Necessary, Full instructions, You can
sell them, Write me today, JOHN
W. BAUGHMAN, Plains, Kansas, ロマーマの

PLAINS TOWN LOTS

Will make 65 bu. to the acre on every acre of this 160 acres of rich, black, limestone soil. No rocks. Big, fine house and barn, bealtiful location, 1½ miles of town. Never failing stock water. No better farm in

B. H. DUNBAR. Tyro, Kansas.

A HOME AND MONEY MAKER,

160 acres all level; 120 in
wheat, one-third goes; one
mile to railroad town; six
room house; good barn,
new, \$7,800. One-half on
time, Investigate this, Send
for our large list of farms.

BROWN, GRANT &
WALTEE
KINSMAN, KANASS. Kingman, Kansas,

#### CHOICE FARM BARGAINS

I want some straight buyers for a few choice 80, 120, 160 and 320 acre farms in Central and Eastern Kansas. I have some good combination stock farms and ranches that are good bargains, write me describing fully what you want. Have some large places to trade for smaller.

J. M. McCOWN, 516 Commercial St., Emperia, Kansas.

#### CAN YOU BEAT THIS?

120 acres, S miles to town, 8 miles from Parsons, new 5-room house, new barn, land lays just rolling enough to drain, fenced with hog wire on three sides, nearly all timothy and clover; some native pasture. This is a bargain at 45 per acre, A. P. ROSA, Galesburg, Neceho County, Kansas,

POULTRY RANCH FOR SALE.

One of the best poultry ranches in the state. Two acres adjoining Washburn college campus, 9-room house, cellar, cistern, well water, barn. Best poultry house in county. Fruit and ornamental trees. Price \$4,000, half on time if desired. No trades.

POULTRYMAN, Kansas Farmer Office.

A BARGAIN. 160 acres in Wilson Co-Fine aifalfa, corn and wheat land. No bet-ter land in the county, \$2,500. Improve-ments, \$50 per acre. Land like it sells in other parts of state at \$100. Come and see thi sand other tracts,
M. T. SPONG, Fredonia, Kansas.
M. T. SPONG, Fredonia, Kansas.

100—CHOICE PICKINSON AND CLAY CO. FARMS—100

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

#### FIELD NOTES.

W. C. Whitney, the Durce Jersey breeder of Agra, Kan., makes an important change in his advertisement this week. Note carefully what he announces then go after these hogs. Hogs are worth having nowadays. and good ones are valuable.

Rambler Breaks Sales Record.

The world's record for rapid sales of automobiles was again broken at the 10th annual Chicago Automobile Show, when 181 Rambler cars were sold at an average price of \$2,500, makin ga grand total of \$452,500 for seven days 'sales, For three successive years The Thomas B. JeJffrey Company has held the sales record for the biggest automobile show of the country. Last year the sales aggregate was \$350,000 or 175 cars at an average price of \$2,000. At the show of the year hefore 180 Rambler cars were sold at an average price of \$1,900. From every section of the country reports have come of increased demand for pleasure cars and, with the rapidly changing business conditions, sales for 1911 will unquestionably exceed those of 1910, the record year of the industry.

Boettcher's Seed Corn.
This spring I am offering to the corn grower of Kansas and surrounding states something very fine in the way of seed corn. I have the pure bred Johnson County White something very fine in the way of seed corn. I have the pure bred Johnson County White direct from Mr. KKerlin of Indiana, who raised last year the world's champion bushel; and I also have it crossed with my Early White Dent corn. It is a large, long-eared, heavy-yielding corn, and this year I expect to make an average of 100 bushels per acre on a 10-acre field. I am offering for sale the same seed as I will plant myself. With this corn I won first for the best 10 ears of white corn, second for single ear and first for the best 50 ears of any variety at our Jackson County Farmers' Institute, and fifth for the ocst 10 ears in Class B at the Kaknass State Corn Show. I will be pleased to have you write for sample and prices—John F, Boettcher, Orchard Hill Farm, Holton, Kan.

IMPROVED FARMS in S. W. Kansas and N. W. Okiahoma, \$10 to \$25 per acre, Write Moore & Falls, Liberal, Kan.

IF YOU are in the market for the best farms in Southeast Kansas at the very lowest prices, see us. We handle nothing but the best. We are also handling some very fine fruit, grain and stock farms in Washington Co., Ark. Our customers our references. Smeltzer & Co., Iola, Kansas.

FOR SALE—193 a., 6 ml, Garnett, 3 ml. Haskell, on Mo. Pac. R. R., 120 a. valley and slope land in cult., balance rough pasture with limestone rock on 1-3 of it, well fenced and cross fenced, new 6 r. house; splendid barn, 32x42; 2 good wells; family orchard. A snap at \$5,500. New ilst free. SEWELL LAND CO., Garnett, Kan.

#### TEXAS LAND

#### A FORTUNE IN 40 ACRES

An irrigated forty acres in the Lower Pecos River Valley of Texas will provide a fortune for any family as well as a model home, in an ideal, all the year around climate. It will pay 100 per cent annually on prosent cost of land, including water rights. If interested, write at once to

#### THE HEATH COMPANY

GENERAL AGENTS,

100 WEST SEVENTH ST., TOPEKA, KAN, ARKANSAS LAND.

MISSISSIPPI COUNTY, ARK., LOCATED in the great St. Francis Valley, the most fertile and productive land in the world; produces sbundantly, corn, cotton, affair and red clover and pays a cash rent of 10 per cent on the investment; descriptive booklet mailed free on application. The Blytheville Realty Cot, Blytheville Ark.

#### OKLAHOMA LAND

#### GET A HOME.

160 acre farm 2½ miles of R, R, town and 5 miles of county seat, 10 a. in cultivation, 40 a. pasture, 10 a. mow land, 6 s. orchard, 5 a. alfaifa, good 6 room house small barn and granaries, all fenced, 2 fine wells of water, fine grape vineyard, ½ mile to school, farm drains well. Price 37,000. Immediate possession. One-haif cash will handle this. Write for our land list.

BATTEN REALTY CO., Medford, Oklahoms.

IMPROVED corn, clover and bluegrass farms 48 miles south Kansas City, \$50 to \$75 per acre, Jot M. Wilson & Son, Harrisonville, Mo.

MOUNTAIN STOCK RANCH FOR SALE.
Good money maker. Sunshine, health and
wealth. We challenge investigation, \$20 a.
10 miles from shipping station, two railroads. Garfield Co., Colo, 120 a cult,
house, barn, sheds, water piped to hog tight
corrals from private reservoir to 11 different
fields. Ample public range. Good water
fights. Price \$13,000. Half cash, balance
easy terms. We have other bargains in stock
and large ranches, also raw fruit lands,
young and bearing orchards, bottom prices,
for sale or trade. Come or write for particulars. H. R. HOUGH & CO., Palisade,
Celo.

#### COLORADO LAND

corn, wheat and alfalfa lands \$8 to \$15. Homestead relinquishments \$250 up. Folds and copy of the Homestead Laws sent free. A few 180-acre homestead tracts under A few 160-acre homestead tracts under prospective irrigation yet, THE WESTERN REALTY CO., Eads, Colo.

# Why Rent a Farm



nd be compelled to pay to your landlord most of your hard-earned profite? Own your own farm. Secure a Free Homestead in Manitoba, Saakatohevan or Alberta, or purchase land in one of these districts and bank a profit of \$10.00 or \$12.00 an acre every year.

Land purchased three years ago at \$10.00 an acre has recently changed hands at \$20.00 an acre. The crops grown on these lands warrant the advance. You can

Become Rich

by cattle raising, dairying, mixed farming and grain growing in the provinces of Manitoba, Saskatchewan and Alberta in Western Canada.

Free homestead and pre-emption areas, as well as land held by railway and land companies, will provide homes for millions.

Adaptable soil, heathful climate splendid schools and churches and good railways.

For settlers' rates, descriptive literature "Last Best West," how to reach the country and other particulars, dained to Sup't of Immigration, Ottawa, das, or to the Canadian Gor't Agent.

3. CRAWFORD,

125 West 9th Street

Kansas City, Mo.

# Kansas Grown Seed

ROSS BROTHERS SEED HOUSE, 317 E. Douglas Ave., Wichita, Kans.

ig famous for vitality, productive ness and early maturing. All varies ties, Get our prices before buying. Catalog free of all Farm and Garden Seeds.

# Readers Market Place

#### CLASSIFIED ADVERTISING 3 CENTS A WORD

#### HELP WANTED.

SALEEMEN — TO SELL OUR LINE OF lubricating oils, paints and roofing paper. T. W. Johnson Co., Cleveland, O.

GOVERNMENT WANTS HELP—WRITE immediately for list of coming examinations in your vicinity. Franklin Institute, Dep't, 90, Rochester, N. Y.

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

500 MEN 20 TO 40 YEARS OLD WANTed at once for electric railway motormen and conductors; \$60 to \$100 a month; no experience necessary; fine opportunity; no strike. Write immediately for application clank, enclosing stamp. Address H. C. F., care of Kansas Farmer.

WANTED—A SINGLE MAN TO WORK on a farm; must have experience enough and honor enough to go ahead with all kinds of farm work alone and take charge of other men when necessary; usually will be required to work under a foreman's direction; pay fair for right kind of a man. Address williard P. Holmes, New England Building, Kansas City, Mo., or Parkville, Mo.

Kansas City, Mo., or Parkville, Mo.

LOCAL REFRESENTATIVE WANTED.
Splendid income assured right man to act
as our representative after learning our
business thoroughly by mail. Former exreflence unnecessury. All we require is
honesty, ability, ambition and willingness
to learn a lucrative business. No soliciting
or traveling. This is an exceptional opportunity for a man in your section to get into
a big paying business without capital and
become independent for life. Write at once
for full particulars. Address E. R. Marden,
Fres. The National Co-Operative Real Estate Company, L473 Marden Bidg., Washington, D. C.

#### REAL ESTATE

BUY OR TRADE WITH US. SEND FOR ist. Bersie Agency, Eldorado, Kan.

TO SELL YOUR PROPERTY. WRITE C. C. Shepard, Minneapolis, Minn.

WANT FARM IN EXCHANGE FOR CITY property; rent \$600 year. Other trades, Real Estate Exchange, Coffeyville, Kan.

WE SELL OR TRADE ANYTHING ANY-where. The Realty Exchange Co., Newton, Kan.

WESTERN KANSAS' FREE LIST OF 35 farms, raw and improved, W. A. Relnecke, Helzer, Kansas.

FOR SALE OR TRADE, 12 ACRES LO-cus Grove, in Garfield Co., Okla, Write A. T. Jones, Sentinel, Okla.

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

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

IF YOU HAVE A FARM, STOCK OF merchandise or automobile to sell or exchange, list it with Spears Realty Co, Ottowa, Kan., for quick sale,

FOR SALE—40 ACRES OF FINE LAND, one mile south of the city of Topeka, Kan., for further information write the owner, J. W. Owen, R. 2, Topeka, Kan.

HALF SECTION OF FINE LAND IN Sherman county, Kansas, for sale on very erry terms; 3½ miles from good market town on main line of Rock Island. Write Wade Warner, Goodland, Kan.

TO TRADE—FINE STOCK OF MDSE.; also 160 acres land and a 6 room dwelling, all located at Syracuse, Kan., for a well improved farm of equal value, \$9,500, in Kansas. Box 542, Syracuse, Kan.

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

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CUBA—MOST PRODUCTIVE SOIL. DE-lightful and healthful climate. Ample rain-tall. Cheapest transportation facilities to the world's greatest markets. Particulars free. Sanderson, 35 Palace Building, Min-neapolis.

HARDWARE FOR LAND-\$25,000 STOCK hardware, implements, furniture, harness and updertaking and big cement block bldg. in Kingman county, Kansas, for clear land tast half of Kansas; \$40,000 sales in 8 meg. W. M. Forbes & Co., Topeka, Kan.

COME AND SEE THIS ALFALFA FARM. 140 acres, 1½ miles from good shipping point; 100 acres in cultivation; all alfalfa ground; 7 room house, barn, good large or-chard. A big bergain at \$7000. \$2500 cash and balance on fine terms. J. D. Kramer, independence, Kan.

WILL EXCHANGE FOR IMPROVED land near Anthony, Kan., a clean \$10,00 stock of hardware and implements; also \$20,000 stock of furniture and undertakin goods; each business well established an prosperous; no inflated valuations considered Smither Smithe red Smithson-Holaday Realty Co., An-

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They and their assistant are the factor in the everyday "make good" business practice which has given us a mighty satisfactory business in SHORTHORNS AND POLAND CHINAS.

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

C. S. NEVIUS, Chiles, Miami County, Kansas.



THE MORTONS Herd headed by Equipment 5153C by Impudence. For Meddler 2d, bred for August farrow. Also 3 fall boars. All representations guaranteed.

THE MORTONS, Tampa, Kansas, Marion County.

by Grand Chief. They will be priced right. Can also spare a few gilts, bred and open.

SPRING BOARS-

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

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

KING DARKNESS No. 149999 Heads my herd of RICHLY BRED FOLAND CHINA SOWS. I have a few choice glits and also ows bred to him for sale. A nice let of fall pigs by Peerless Perfection 2d.

F. J. MILLER, St. John, Kansas.

#### 18 - BRED GILTS - 18

For sale, bred to A. L. Hadley; \$25 to \$40. A. L. ALBRIGHT, Waterville, Kansas

HARTERS BIG KIND POLANDS Headed by Mogul's Monarch 45858 and apt. Hutch 39068. Bred sow sale Feb. 16. Barred Rock ccckerels for tale. J. H. HARTER, Westmoreland, Kansas.

Big Type Poland China Gilts

A few very choice ones stred by the great Wilkes Again and safe in pig to a grandson f Grand Look. \$30 each if sold soon. J. B. WHIPPLE, Fall City, Neb.

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Graner's Great Big Poland Chines Big and with quality. The big litter sort. ew boars left. Bred sow sale Feb. 9. H. C. GRANER, Lancaster, Kensas.

HAVING concluded not to hold a public sale, 1 will offer 25 well bred, growthy slits bred to the best and highest priced large-type young boars out this year; six fried 2-year-old sows bred to Grand Look 20. This cross produced my best sellers in my fall sale. If you want the best that grows, come or write, Special prices on a number in one deal,

S. A. Bugg, Hamilton, Missouri.

#### POLAND CHINAS

Ten Strike, grand champion at the Okla-loma State Fair, 1908, heads the herd. Spe-slal prices on a few bred sows and gilts, ill pedigrees furnished when hogs are de-lycred. T. M. CHAMBERS, Oswego, Kansas.

BIG BONED POLAND CHINAS

choice Bears for sale that are first as herd headers, they are big and tooth and guaranteed. Write at once.
W. A. BAKER, Butler, Mo.

Highview Breeding Farm

THE KIND OF OUR FOREFATHERS. Home of the big-boned spotted Polands. The only registered herd of original spotted Poland Chinas on earth. Bred sow sale Pebruary 15, 1911. Ask for catalog. H. L. FAULKNER, Box K, Jamesport, Mo.

EUREKA HERD of pure bred Poland Chi-as and Duroc Jerseys. Boars all sold, but ave a limited number of Poland China pring glits bred for early farrow. These fe good ones, priced right. Farm 7 miles outh of Simpson, Kan. W. H. Sales.

ROSE LAWN POLAND CHINAS

RIOSE LAWN POLAND UHLNAS, King Darkness by Meddler 2d, assisted g Shortgrass Meddler by Meddler 2d head y herd of richly bred Poland China sows, lew spring glits by On the Spot for sale. J. MANDERSCHEID, R. 3, St. John, Kan.

BROOD SOW SALE. Boars all sold at present except a few all boars. Brood sow sale Feb. 15. Send pr cetalog early, as there will be some by good gilts. R. J. PECKHAM, Pawnee City, Nebraska.

he Only Chance to Buy Gilts ted to VOTER for March farrow will be at y Feb. 22 sale. Get catalog early. Choice atll Feb. at private treaty; bargain prices W. C. MILLIGAN. Clay Center, Kansas.

LAREDO HERD

oland Chinas, headed by Impudence Style \$23278 and F. R.'s Meddler by Meddler for other gilts. other glits, glits bred to: .... G. W. McKAY, Laredo, Mo.

Toulon Prince 50559 heads herd. Brights for sale; also some good August pigether sex. L. E. KLEIN, Zeandale, Kan.

We still have a few extra good spring boars

YOUNG & KIMMERLING, Glasco, Kansas.

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

#### FAIRVIEW POLAND CHINAS

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

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

NINETY HEAD FALL PIGS FOR SALE. Sired by the famous Hadley Boy No. 48009. Remember our bred sow sale Feb. 10, 1911, and send for catalog. GEO. M. HULL, R. 1. Garnett, Kansas.

Gronniger's Big Polands Lead The blood of the biggest and best. A few choice fall boars and gilts ready to ship. Bred sow sale February 23, 1911.

HERMAN GRONNIGER & SONS,

Bendens, Kansas.

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

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

#### **EXPANSIVE 34723.**

The 1000-lb, boar assisted by Sampson Chief and Big Victor 2d head my herd of high class, big, smooth Poland Chinas. A few choice bred sows and gilts for sale. Write your wants now.

H. B. WALTER, Effingham, Kansas.

12-VOTER HERD BOARS-12 A spring yea ing by Voter and out of Queen Wonder; good individual; price \$75. 12 top spring boars by Voter, \$25 to \$40, 20 Voter gilts cheap if sold in bunches. Dams in herd represent best families.

A. & P. SCHMITZ, Alma, Kansas.

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

C. H. TILLQUIST, Osborne, Kansas.

#### POLAND CHINA HOGS.

Mastodon Poland China hogs, the big-boned type that will weigh when mature 800 to 1,000 pounds. Mastodon Price leads this herd. Mastodon Price sired by A Won-der 107356, a hog weighing in full flesh 1,200 pounds. If you want the right kind, they are at Quality Ridge Farm. A num-ber of bred glits for sale; all choice individ-uals. Phone me at Dearborn, Mo. Railroad station Newmarket, Mo.

CLARENCE DEAN, R. 1, Weston, Missourl.

### WALBRIDGE POLANDS Quality

L. C. Walbridge, Russell, Kansas

POLAND CHINA HOGS FOR SALE.

Splendid June and July gilts bred for June
and July farrow priced for quick sale as I
need the room. Special attention to mail
orders. Let me book your orders for swing Let me book your orders for spring F. E. MULLER, Hamilton, Mo.

HAMPSHIRE HOGS.

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

OHIO HERD OF MULE-FOOTED HOGS. Stock of all ages for sale, sired by five big prize-winning boars and out of big matured and prolific sows, the equal of any breed. I have the largest herd in the land of this vigorous and healthy breed. JOHN H. DUNLAP, Box P, Williamsport, Ohio.

#### POLAND CHINAS

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

on.
D. A. WOLFERSPERGER,
Council Grove, Kansas.

#### POLAND CHINAS WITH SIZE.

Some very choice fall pigs weighing from 100 to 125 pounds, sired by Pawnee Look, the best boar Looks Grand ever sired. The hog that suits the big type breeder and farmer. My motto: "More hog and less hot air." F. F. Gerly, Oregon, Mo.

GOLD METAL 43843

By Bell Metal 40388 heads my herd of big type Polands. Breeding stock for sale at all times. Prices right.

JOHN C. HALDERMAN, Burchard, Neb.

# POLAND CHINAS

#### PRAIRIE VIEW HERD.

Hamilton, Missouri,
Breeder of Big Type Foland China Hogs
and Buff Orpington chickens, Address F. E. MULLER, R. 4, Hamilton, Missouri.

#### BIG POLAND CHINA HOGS.

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

#### 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 STEYKER BHOS., Fredonia, Kan.

#### **DUROC JERSEYS**

#### **DUROC JERSEYS**

RIVER BEND HERD DUROCS.

.

Headed by Fitch's Kant by Kant Be Beat and out of a son by Ohio Chief, one of the best individuals and breeders in the state. Let me know your wants.

W. T. FITCH, Minneapells, Kansas.

SPRING BOARS AND GILTS. Choice Duroc Jersey glits bred for June farrow; also some fall pigs of either sex The kind that grow big. Write me your wants.

W. C. WHFFNEY, Agra, Kansas.

. SPRINGBANK DUROC JERSEYS.
Headed by W. H.'S Col., first prize junior
yearling boar Hutchinson State Fair, 1908,
assisted by Chief Orion, third prize aged

boar,
Sow Sale—Ten tried sows by Chief Orion
bred to W. H.'s Col. Come and see them.
W. H. WILLIAMSON,
Raymond, Kansas.

#### 50 FALL DUROC JERSEY PIBS 50

Descendants of the great Col. family. Both sexes \$25 to \$35 each. CHAPIN & NORDSTROM, Green, Kan.

WOODLAWN DUROC JERSEYS. Headed by Woodlawn Prince 53343.
Sows of Ohio Chief, Orion, Topnotcher and other good families, Choice yearling gilts for sale, bred for March and April farrow. Also a few open gilts.
ROY H. OTT & BRO., Concordia, Kan.

HOTEL GREENWOOD HERD. Headed by Stith's Commadora by Top Commadora, Bred sows and glits for sale; 200 head in herd. A choice lot of fall boars and glits, CHAS, STITH, Eureka, Kan.

CROW'S DUROC JERSEYS.

Herd headed by Climax Wonder, he by
Missouri Wonder. 100 head to select from.

Prices reasonable. The electric car runs
within three blocks of my farm. Come and
see my herd at any time.

W. R. CROW, Hutchinson, Kansas.

CEDAR LAWN HERD.

Twenty boars for sale by Long Wonder 21867 and Lincoln Chief 91913, a son of Chief Tatarrax. Will also offer some spring gilts at reasonable prices by such dams as Josie Surprise, Bessle Advance, Froud Queen by Ohio Chief.

F. M. BUCHHEIM, Lecompton, Kansas.

CHOICE DUROC BOARS FOR SALE. Good individual descendants of Orion, Val-y Chief, Farmer Burns, etc. Reasonable O A. TILLER, Pawnee City, Nebraska.

BRED SOW SALE MARCH 8,
12 tried sows and 38 choice glits to sell
Send for catalog.
L. C. WOOLEN & SON,
Breeders of Pure Bred Duroc Jersey Hogs,
Stansberry, Mo.

#### Greenwood Herd Durocs

FOR SALE—Choice lot tried sows and gilts, sired by Dandy Duke and Tatarrax Model, bred to Model Duroc, Greenwood Chief and Chief Orion. All guaranteed; priced \$30 to \$50. If you want good hogs write me R. D. MARTIN & SONS, Eureka, Kansas.

All sired by Helen's Wonder (a son of Red Wonder and Helen Hazes 21st (and S. D.'s Inventor (a son of Inventor). Many of these gilts are out of May Boy sows. They are bred for early March and April farrow to one of the above mentioned boars or Crimson Model, a fancy son of Nebraska Wonder. They combine quality and scale and will please.

J. F. STODDER, Burden, Cowley County, Kansas.

DUROC JERSEYS.

Bred sow sale Feb. 22. Ten tried zows, 40 spring gilts; all pure bred and the big, smooth kind.

JASPER AULDRIDGE & SON,
Pattonsburg, Missouri.

#### **DUROC JERSEY BOARS**

A few good ones for quick sale by a good-son of King of Cols 2d; also bred sows and gilts. Three choice Jersey bulls and few cows and heifers,

S. S. SMITH, Clay Center, Kansas.

DUROC FALL PIGS, EITHER SEX. Fairs, not related, for sale reasonable, Bred sow sale January 24. Write at once for catalog. FRANK VRTISKE, Pawnee City, Neb.

ANDERSON HIGH CLASS DUROCS. Choice lot of fall pigs of the best of breeding for sale at very reasonable prices. For low prices on good stock, address

C. O. ANDERSON, Manhattan, Kansas.

#### JEWELL COUNTY HERD.

Headed by Bonney K. 74075, all prominent blood lines represented. Sow sale Feb. 1, 1911.
W. E. MONASMITH, Formose, Kansas.

#### OHIO IMPROVED CHESTERS

#### MOSSE OF KANSAS

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

R. D. 5, Leavenworth, Kansas,

#### MAPLE LEAF O. I. C's.

The best blood lines represented in this herd. When in need of quality write. B. D. 5, Garnett, Kansas,

#### BERKSHIRES

LARGE ENGLISH BERKSHIRES

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

To select from. Choice boars and females of various ages. A nice lot of fall pigs priced reasonable. We guarantee satisfaction.

LEON A. WAITE, Winfield, Kan.

FIELD NOTES.

Hendershot's Percheron Sale,

Hendershot's Percheron Sale,

Mr. Hendershot writes that his 14th sale of Percheron stallions and mares and Kentucky Mammoth jacks at Lincoln, Neb., March 15, 1911, will excel in quality and weight any sale he has ever held and no other sale has had the number of extraordinary good animals in them. The imported stallions and mares average more than 2,000 pounds and nothing over 5 years old. The home bred stallions and mares over 2 years old will average better than 1,900 pounds. The young stock are all the big boned type that will mature large. The entire offering has been selected with a view of pleasing the most critical judge and he thinks you will agree with him when you see them that he has succeeded. He has included the very best from the Valley Springs Stud in everything and all of his imported stock in both stallions and mares. The two imported stallions standing at the head of my stud, Gateau and Galbanum, are included in this offering and are unquestionably two of the greatest stallions to be sold this year Write for catalogue giving full description of each arimal to be sold. Mention this paper, as he likes to know the paper giving the best results.

Breeders' Sale.

Breeders' Sale.

Breeders' Sale.

The breeders' gale will be held at Bloomington, Ill., in Coliseum. February 28 and March 1, 2 and 3. have now 400 head of the different breeds of horses, including 50 head of Shetland ponies from some of the best breeders of the state. We have 350 head of imported and native bred Fercherons and Belgians and 125 newly imported draft horses. We have a number of Shires, also a large rumber of imported mares, with 40 head of imported Percheron and Belgian stallions, mares and fillies of the right type. Mr. J. R. Prendergast. with 1st type, Mr. J. R. Prendergast. with that good bunch of American bred Percherons of the right type and style; Dodson Bros., with 20 head of Percheron stallions and mares; Rowe Bros., with Shires and Percherons; Mcots Bros., with Shires and Percherons; Welch & Peck, with Percherons; Robert Burgess, with 10 Percherons; Finch Bros., with Fercherons; Leemon Bros., with 15 Percherons; Platt & Ridgley, with imported mares; C. A. Randolph, with 15 Percherons; W. A. Turnipseed, with Percherons and 70 other coneignors with some of the very best they have. About one-half of cur horses are imported and the rest off of the best breeding farms of the country, Why don't intending buyers go where they see 400 head of horses for sale and have the whole bunch to pick from at their own

# FRANK IAMS

"PEACHES AND CREAM" IMPORTED STALLIONS AND MARES ARE "SWELL SHOW YARD ATTRACTIONS" FULLY ACCLIMATED. THEY ARE THE "CLASSIEST" BUNCH OF BIG "BLACK AND GRAY BOYS"—WITH EXTRA BIG BONE AND MORE 2,000 TO 2,500-POUND STALLIONS THAN ANY IMPORTER IN UNITED STATES.—THAT'S WHY IAMS, THE "KING BEEP" HORSE MAN—SOLD DOUBLE THE HORSES IN JANUARY, 1911, AS IN ANY YEAR IN 29 YEARS. THEY ARE "EXEOPENERS"—BUSINESS PROPOSITIONS"—THAT MAKE THE WHEELS WORK" UNDER A "BUYER'S HAT" —"DOLLY DIMPLES"—IAMS HAS 50 PRIZE WINNERS IN HIS BARNS FROM PARIS-BRUSSELS AND EUROPEAN "HORSE SHOWS"—IAMS "HYPNOTIZES" BUYERS WITH "TOPNOTCHERS" AT "BARGAIN COUNTER PRICES"—MAKES HORSEMEN AND WOMEN

"Sit Up and Smile Sweetly"

AND SING "IAMS SONG"—"IKEY BOY" BUY "BLACK AND GRAY BOYS"
OF IAMS—THE "SQUARE DEAL" HORSEMAN.—"WALTU ME AROUND
AGAIN, IKEY BOY"—AND BUY A STALLION AND MARE TODAY OF IAMS
—AND SAVE \$300.00. IAMS IS A "BIG FLY IN THE OINTMENT"—IN THE
HORSE WORLD—HE MAKES BUYERS WEAR A "\$1,000.00 SMILE" AND
BUY A "TOP NOTCHER" AT LET "LIVE PRICES."
OWING TO BAD CROPS—BIG RAINS—CLOSE MONEY—IAMS 'CASH AND
29 YEARS' SUCCESSFUL EXPERIENCE—HE EOUGHT AND IS SELLING
LARGER AND BETTER HORSES THAN EVER.—"MAMMA"—IAMS IS A
"MONEY SAVER"—"A HOT ADVERTISER"— BUT "HE HAS THE GOODS"—
SELLS THE HORSES AT HIS HOME BARNS ONLY. BUYERS GET "ALL
MIDDLEMEN'S PROFITS."

# IAMS' HAS

120--PERCHERORS AND BELGIANS---120
TWO TO SIX YEARS OLD, WEIGHING 1,760 TO 2,500 POUNDS; 50 PER
CENT BLACKS, 70 PER CENT TON STALLIONS. ALL REGISTERED AND
BRANDED. HE SELLS "TOPPERS" AT \$1,000.00 AND \$1,400.00 (FEW
HIGHER). MARES—\$700.00 to \$1,000.00 SO GOOD THEY NEED NOT BE
"PEDDLED" OR PUT ON THE "AUCTION BLOCK" TO BE SOLD. IAMS'
"SFILLING CLOTHES" FIT ALL BUYERS. NO MAN WITH MONEY OR
BANKABLE NOTES GETS AWAY FROM IAMS. HE BUYS. OWNS AND
SELLS MORE STALLIONS THAN ANY MAN IN THE UNITED STATES.
IAMS SAVED \$30,000.00 TO STALLION BUYERS IN 1910. HE IS NOT IN
THE STALLION TRUST. AMS PLACES \$1,500.00 INSURANCE.

\$1,000--SAYED AT IAMS'---\$1,000
IKEY. WHAT A "GRAFT THESE "STALLION SALESMEN" ARE WORK-

IKEY, WHAT A "GRAFT THESE "STALLION SALESMEN" ARE WORK-ING ON THE FARMER, SELLING FOURTH-RATE STALLIONS AT \$2,000.00 AND \$5,000.00 MR. BUYER, SEE IAMS STALLIONS YOURSELF. TAKE NO STALLION SALESMAN'S WORD. "JAMS HAS THE GOODS YOU READ ABOUT." HIS ESTABLISHMENT IS WORTH GOING 200 MILES TO SEE. IAMS COMPETITORS "HOLLER," HE IS KNOCKING "HIGH PRICES" OUT OF THE XMAS TREE. IAMS SAWS WOOD, "BUTTS IN," SELLS MORE STALLIONS EACH YEAR. HE MAKES EVERY STATEMENT GOOD. "KEY BOY BUY A STALLION OF IAMS. HIS \$1,200,00 STALLIONS ARE MUCH BETTER THAN OUR NEIGHBORS PAID THOSE OHIO MEN \$4,000.00 FOR. THEN I CAN WEAR DIAMONDS. IAMS SPEAKS THE LANGUAGE. BUYS DIRECT FROM EREEDERS, PAYS NO BUYERS, SALESMEN OR INTERPRETERS; HAS NO TWO TO 'TEN MEN AS PARTNERS TO SHARE PROFITS WITH. IAMS GUARANTEES TO SELL YOU A BETTLA STALLION AT \$1,000.00 to \$1,500.00 THAN ARE SOLD TO STOCK COMPANIES AT \$2.500.00 TO \$5,000.00 BY SILCK SALESMEN, OR PAY YOU \$500.00 FOR YOUR TROUBLE. YOU TO BE THE JUDGE. IAMS PAYS THE HORSE'S FREIGHT AND BUYERS FARE: GIVES 60 PER CENT BREKDING GUARANTEE. IAMS' GUARANTEE IS BACKED BY ONE-HALF MILLION DOLLARS.

WRITE FOR MILLION DOLLAR HORSE CATALOG.

References St. Paul State Bunkend Citizen's National Bank, St. Paul, Neb.; First National Bank and Omnaha National Bank, Omnaha, Neb.; and Packers' National Bank, South Omnaha, Neb.

# ST. PAUL, NEBRASKA

### O. P. Hendershot's Fourteenth

# Percheron Sale At Lincoln, Neb., Wed., Mar. 15

50 IMPORTED AND HOME-BRED STALLIONS AND MARES. 5 MAM-MOTH KENTUCKY BLACK JACKS.



Six imported stallions weighing more than six tons. Six imported mares weighing 11,000 lbs. Homebred stallions and mares weighing over a ton each. Nothing but clean young stock from 2 to 5 years old and all the big boned type that will mature large. I will sell my two imported stallions "Gateau" and "Galbanum," four and five years old, weighing 2,250 lbs. each. I believe they are as good as you will lieve they are as good as you will find in America both for breeding and quality.

I guarantee this will be the best bunch of Percherons sold this season (number of animals considered).

Write for catalogue giving full description of each animal. HEBRON, NEBRASKA. O. P. HENDERSHOT AUCTIONEERS-Cols. Woods, Branson, Page, Currier, and Hayherst.

#### HOMEWOOD STOCK FARM IMPORTERS AND BREEDERS OF

Percheron Belgian Shire Stallions and Mares

NOTICE TO PROSPECTIVE BUYERS:

For the benefit and convenience of our Western trade, we have established a permanent branch barn at Abliene. Prospective buyers are cordially invited to inspect our stock here, and if you don't find just what you are looking for, we will be pleased to accompany you to the home barn at Homewood, Ill., where we can show you 100 head of big, drafty Stallions and Mares with plenty of bone and quality. Every horse guaranteed sound and a satisfactory breeder. Prospective buyers should see this stock before buying elsewhere. Third importation to arrive in ten days. Write us your wants, or buying elsewhere and see us. Abliene is on the Rock Island, Santa Fe and U. P. rall-roads. Mention Kansas Farmer when writing.

Barns 2 Blocks

Barns 2 Blocks North U. P. Depot. S. METZ & SONS ABILENE, KANSAS

Col. Frank Zaun of Independence, Mo, who conducted the phenomenal sale made by F. M. Buchlieim of Lecompton on February 13, is a worker who knows a good thing when he sees it. He said: "I always

read the Kansas Farmer with the greatest interest and profit. I consider it one of the very best agricultural and live stock papers published in the United States today. The last number was especially fine."

# Genuine and Imitation CREAM SEPARATORS

The all-around superiority of the DE LAVAL Cream Separators, in farm as well as factory sizes has now become so generally recognized that would-be competitors have, almost



without exception, adopted the pretext of merely claiming that the machines they offer are "like the DE LAVAL," or "as good as the DE LA-VAL," while some even go so far as to claim that their machines are made under a patent license from the DE LAVAL Company.

All of these claims and pretenses are false and a fraud upon the buyers of such machines, except to the extent that each and every one of these would-be DE LAVAL imitators is using some ten to twenty year old patent expired and now abandoned

type of DE LAVAL construction, though lacking all the essential elements of the improved DE LAVAL machines of today, or for that matter the DE LAVAL machines of the past five years, while none of them do or can use the still patent protected "split-wing" distributing shaft feature of all DE LAVAL machines since 1900.

Buyers of separators are cautioned against such deceptive misrepresentations by those who may try to induce them to purchase machines claimed to be similar to the DE LAVAL, but which in no way compare in efficiency, capacity or general practicability with the DE LAVAL machines of TODAY.

DE LAVAL Cream Separators are as much in advance of all attempted competition today as at any time past, and their use is speedily becoming as universal on the farm as it has long since been in the larger sizes in creameries and milk stations the world over.

# THE DE LAVAL SEPARATOR COMPANY

173-177 William Street,

14 and 16 Princess Street WINNIPEG

Drumm and Sacramento Streets, SAN FRANCISCO

1016 Western Avenue SEATTLE

#### FIELD NOTES.

Harter Makes a Good Sale.

In spite of a heaviy downpour of rain which had been coming down for 12 hours, J. H. Herter made a very successful sale on February 15. There were but a handful of farmers and breeders present, but they liked the Harter kind and the entire offering averaged \$50. Had the offering been all bred for early farrow and the weather good, there is little doubt but that this would have been the top sale of the season. H. C. Graner, Lancaster, topped the sale, buying No. 9, a spring yearling by Captain Hutch, Following is a list of leading sales: No.

nut	Ch, Londwing to a mit or remain	
No.	Galdlan &	50.00
1.	A H. Brenner, Soldier \$	
2.	L. E. Klein, Zeandale	70.0
3.	A. H. Brenner	60.0
	W. C. Milligan, Clay Center	75.0
4.	W. C. Milligan, Oldy Contest	60.0
5.	W. H. Harson, Abllene	56.0
6.	A. C. Lobaugh, Washington	
7.	H B Walter, Effingham	75.0
8.	W. F. Fulton, Waterville	80.C
	H C. Graner, Lancaster	102.5
9.		65.0
11.	L. C. Hucksted, Westmoreland	64.0
13.	A. R. Reystead, Mankato	
16.	J. J. Griffith, Riley	67.5
19.	B. F Thompson, Havensville	60.0
	Herman Gronniger. Bendena	65.0
21.	Remail Grounding Ortown	42.5
28.	Dietrich & Spaulding, Ottawa	54.0
31.	S. B. Amccats, Clay Center	
::9.	F. W. Comfort, Westmoreland	10.0
41.	Edward Welter, Flush	40 0
	Jas. W. Anderson, Leonardville.	46.0
42.	Jab, W. Aparter Langueter	62.
51.	H. C. Graner, Lancaster	02

The Kansas Poultry Company.

This company has splendid flocks of Rose Comb Rhode Island Reds, S. C. Buff Orpingtons, White and Barred Rocks, S. C. Buff and Brown Leghorns and Buff Cochins. These are farm raised, one breed to a farm. This company's exhibit at the Norton show last January was pronounced by Judge Southard to be as fine as any he had ever handled with the possible exception of a few of the very big shows. They had over 300 fcwls on exhibit and, won 24 firsts, 14 seconds and 6 third premiums, a very creditable showing. This company is managed by A. L. Drummond, a breeder of 20 years successful experience Just now he is busy in filling an order of 500 baby chicks a week to one customer, this order running to June 1. Write the Kansas Poultry Co., Norton, Kan. They will treat you right on any purchase you may make. Their ad is in this paper.

Goodyear Seeks New Victories in Air, (By F. A. Selberling, President of the Good-year Tire and Rubber Company of Akron, Ohlo.) A new feather was added to the trophies

in the Gocdyear company's cap a few days ago when contracts were closed which will allow this firm to furnish all rubber fabrics needed for Wright brothers' and Glenn Curtiss' aeroplanes and for all balloons and aeroplanes made by Captain Italdwin. It has just taken us a little less than 13 years to rise above cur competitors in a figurative sense and now we are going to do it literally. The idea that the manufacturers of engines were the only persons in the automobile trade who would find a place in the aeroplane world is very erroneous. Under the centracts just mentioned we will be colled on to provide bumpers, shock absorbers, tires for allighting wheels, various weights of waterproofing and many other accessories. What is more to the point all of these goods must be of the very best quality obtainable. In air machines every part is dependent on every other part and human life and thousands of dollars is the sacrifice domanded for a single fault in material or workmanship. The most carefully made and expensive waterproof material obtainable is used for the aeroplane wings to keep them from going heavy with moisture from fogs or rain white wheel tires are especially light and resilient. The popular impression that the late Charles Goodyean, who invenited the process of vulcanizing rubber by the use of sulphur, founded or was one of the organizers of the Goodyear Tire and Rubber Company, is quite a mistake. This firm started in business in 1898 and has had a most phenomenal growth since that time. Another popular error is the belief that no car can be run with a defated tire without injury to the tire. Our no-lime cut tires have been tested repeatedly and will wear as long flat as if inflated. will wear as long flat as if inflated.

Isaac Novinger & Sons, owners of Elm Grove Breeding Farm at Kirksville, Mo, an nounce that they have their stock in the finest possible condition. They nave 10 extra fine pure Scotch Shorthorn bulls of the leading strains that they are now offering for sale. These are very highly bred and rank among the first as individuals. The reputation of this herd is a good one all over the West, and these Shorthorns take first place in the choice of their customers. Mr. Novinger also has some Percherons that have been doing mighty well this wither, and among them are some 9 months old colts that will weigh better than 1,000 pounds each! A few of these could be mare as well as some fillies and some good mare as well as some fillies and some good mare as well as some fillies and some good mare and include Percheron horses, Shorthorn cattle, Polard China hogs, Barred Plymout cattle, Polard China hogs, Barred Plymout Reck chickens and Mammoth Bronze turkeys, all pure bred. Kindly mention the Kansas Farmer when you write them.

red

# Last Chance to Buy Daughters of Old King of Cols. 2 nd Wednesday, March 1st, 1911, At Farm Adjoining Green King of Cols. 2d is Dead, This Will be About the Last Chance to Buy His Get **50 HEAD 50**

7 tried sows-4 by King of Cols. 2d, 2 by Model Chief Again, 1 by Perfect, bred by S. E. Morton.

13 fall yearlings-6 sired by King of Cols. 2d, 5 by G. C.'s Col., 2 by King Wonder.

SPRING GILTS-Are tops of my spring crop, daughters of F. E.'s Col., Elder's Wonder, King of Cols. 2nd, G. C's Col. and G. C's Kansas Col. Out of dams by King of Col. 2d, and other great sires.

Everything bred for spring farrow, tried sows to G. C's Col. and F. H.'s Col. Gilts bred to Elder's Wonder, F. E.'s Col. and G. C.'s Choice Goods

by W. L. A.'s Choice Goods.

Don't lose sight of the fact that this is the original Col. herd of Kansas and contains more Col. blood backed up by greater individuality than any other herd in the west. Among the real attractions in this sale will be King's Daughter by King of Cols. 2d, pronounced by good judges to be the best Duroc sow in the state. I hesitate to sell her but need the money and many breeders need the sow. I am in the business to stay and want to see them sell at profitable prices. Catalogs ready now. Write for one, mentioning Kansas Farmer. Free entertainment and a square deal.

AUCTIONEER-JAS. T. McCULLOCH.

Jesse Johnson will represent this paper. Send him bids if you can't come.

# FRANK ELDER, Green, Clay Co., Kans.



# WE WANT YOU to COME to LINCOLN

# NOT DISAPPOINT YOU

We have the largest and best equipped importing establishment in America. We have been importing horses for more than 30 years. We have imported the largest, strongest, and best bred

# Percherons, Shires and Belgians Europe Could Produce

Watson personally selects every horse we ship from Europe. He buys all of our horses from the six oldest and largest breeding firms across the water—firms which have been breeding the great show ring winners of Europe for more than 200

We stand back of our horses.

Every horse we sell is guaranteed with a guarantee that is a guarantee, backed by \$300,000 caplital and 30 years' good faith.

We want you to come to Lincoln and visit our big offering.

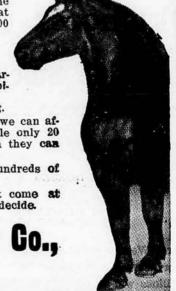
We ship horses from Europe in such large numbers that we can afford to sell them at a small profit in fact dealers who handle only 20 to 30 stallions and mares can buy them cheaper of us than they can

Come to Lincoln and be convinced. We can save you hundreds of dollars on any animal you select from our barns.

Wire us that you will start in the morning. If you can't come at ce, send for our big illustrated catalog. It will help you to decide.

Watson, Woods Bros. & Kelly Co.,

Dept. 1, LINCOLN, NEB.



### DUNHAMS' PERCHERONS

For forty-six years renowned as the best of the breed. Six large importations since February 1, 1910 (the last arrived October 12th), insure fine selection, as each animal was individually selected for size, bone quality and excellence. If you want choice stallions or mares, write for catalogue, illustrated from life.

W. S., J. B. & B. DUNHAM WAYNE, ILL.



#### Percherons Belgians and Shires

Also Shetland Ponies. Will have a good importation of stal-

lions of the breeds mentioned Jan. 1. Now offering special bargains in mares to make Call on or write Joseph M. Nolan, Paola, Kan., 40 miles south of K. C. Please mention the Kansas Farmer.

### Percheron Stallions

I have as fine a bunch of stallions as you will find. I have the ton size. and 1,700 to 1,800 pound two year olds, with worlds of bone and great action. My prices are right and my horses are right.

Yours for home grown Percherons, J. W. BARNHART, Butler, Mo.

PERCHERON HORSES, HOLSTEIN-FRIE-SIAN CATTLE, Up-to-date Poland China hogs, Write your

H. N. HOLDEMAN, Meade, Kansas, wants.

#### REGISTERED HORSES

O. K. BARNS, SAVANNAH, MO., W. E. Price, Proprietor.

Dealer in registered horses. Three very fine stallions to SELL AT ONCE. Also the best stud colt in the state. Write for description of stock. I can suit you.

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

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

When writing advertisers please mention Kansas Farmer,

ERCHERON IMPORTING CO. AT THE FOUR BEST SHOWS IN THE

imes champion stallion any age.

limes champion stoup of five stallions. 29 times first in stallion classes. Champion Percheron stallion at Inter-State Fairs.

Champion Shire Kansas and Missouri State and Missouri State Fair.

Champion Shire Kansas, Missouri and American Royal.

All our horses are imported. We sell as low as anyone on earth, quality considing our suarantee and insurance are the best.

PERCHEPON IMPORTING CO., South St. Joseph, Mo.



# H. RICHARDS, Importer

PERCHERON AND BELGIAN HORSES. A car load of extra good 2- year-old and 3-year-old stal-lions recently arrived. Come and see these magnificent horses before you buy a stallion, I will make you some eye-opener prices just now. Barns only four blocks from A., T. & S. F. depot.

EMPORIA, KAN.

EASY TO GET THERE.

C. H. PILCHER, Glasco, Kan.

E. C. LOGAN, Beloit, Kan.

# COMBINATION Poland China Bred Sow Sale

At the Fair Grounds, Beloit, Kansas

# Saturday, March 4th

40 head of the kind that has brought attention to both herds from all over the state. A draft from the two herds that is the equal of any offering in the west this spring. Everything bred for early farrow to the best advantage to one or the other of the great herd boars in the two herds. The offering consists of 10 tried sows and 30 March and April gilts. Seven of the gilts are by Winning Graniteer, eight by First Choice by old Grand Chief, six by the sweepstakes boar Conqueror. Some are by Kansas Medium and Impudence E. L. The 10 tried sows are by old Glasco Chief, Winning Graniteer and Kansas Medium. Also some by Skylark, by Skybo he by old Grand Chief. Among the tried sows are such sows as Sweetness by Winning Graniteer, the dam of much of the recent show stuff represented in this sale.

Mr. Pilcher is well and favorably known as a breeder who shows at leading stock shows and as a winner of considerably more than his share of the blue ribbons, while Mr. E. C. Logan is one of the pioneer breeders of Mitchell county, the home of good stock, and is the president of the Mitchell County Fair Association and actively identified with the Mitchell County Breeders Association. His herd of Polands at Beloit is well and favorably known. Their catalog is ready and can be had by addressing either party. .

C. H. PILCHER, Glasco, Kan. E. C. LOGAN, Beloit, Kan.

AUCTIONEER-JAS. T. McCULLOCH, CLAY CENTER, KAN.

Send bids to Jesse R. Johnson in their care, Beloit, Kan.

# Stock Show and Sale

March 4, 5, 6, 7, 8, 9, 10 and 11, 1911

At Enid, Oklahoma 8 Days Exhibition of Fine Stock

# Five Days Auction Sale

Poland Chinas and Duroc Jerseys.

CATTLE 100 Head Herefords Shorthorns.

Standard Bred and all breeds of Draft and Coach.

Some of the best breeders in the Central West will sell in this sale. Terms of sale cash, but each consigner has a right to name his own terms, and a fine lot of Standard Ered stallions will be sold for one-third cash, balance on one and two years' time.

# F. S. KIRK, Sales Mgr.

Enid, Oklahoma

Catalog free for the asking.

# J.E. Clary&Sons

BIG SALE AT

# Sheridan, Missouri Wednesday, Mar. 8

10 head of extra fine Missouri and Kentucky bred jacks, from 2 to 7 years old. 30 head of horses and mules. 50 head of stock cattle, including 10 choice milk cows. 70 head Shropshire ewes, all bred to registered Shropshire ram. 40 head of Poland China hogs including 20 bred

All jacks in this sale were bred and sired by us except two Kentucky jacks; all of them will compare favorably with jacks sold at the larger sales. Jumbo Mammoth, a 5 year old jack, black with white points, 15.2 hands high, extra heavy bone, extra head, neck and ear, weight 1,150 pounds, one of the best jacks in the country, will be in this sale, and the entire lot are extra fine. Every animal in this sale guaranteed as represented. All stock at buyer's risk after sold, but will be kept a reasonable time and loaded on cars free.

Sheridan is on the Chicago & Great Western R. R., 55 miles north of St. Joseph and 95 miles south of Des Moines, Ia. Four passenger train each way per day.

# J. E. Clary & Sons

Sheridan, Missouri

AUCTIONEERS-COL. R. L. HARRIMAN, COL. J. W. EVANS, COL. JAS. HENSHAW.

W. J. Cody will represent Kansas Farmer. Sale commences at 10 a n. sharp. Bids sent to auctioneers or fieldmen in our care will be honorably handled.

"All Good Ones in the"

Thursday, March 2, 1911, Lawrence, Kan.

### The View of the Owner

I invite the Berkshire breeders of America to attend my public sale of "All Good Ones" at Sutton Farm, Lawrence, Kan., March 2, 1911, and see the grandest lot of Berkshires ever offered at public sale.

My herd is rich in the blood of Berryton Duke, Jr., acknowledged by all to be one of the truly great sires of the breed. Berryton Duke Jr. has no superior as a breeder; all who have seen his litters marvel at their wonderful uniformity. He breeds good heads-fancy heads, if you pleaseand with these fancy heads he gets as much size and feeding qualities as any living boar. Many breeders firmly be-lieve that he sires more good headed good hogs than any living sire. Come to the sale and see for yourself.



Very truly yours, CHAS. E. SUTTON.

Offering will consist of 15 yearling sows, every one a good one. 25 ten months old sows, every one a high class individual.

10 open gilts, every one a show gilt.

3 boars that are outstanding.

The sows belong to such famous families as the "Jewels." "Royal Beauties," (Gentry) "Black Robinhoods," "Masterpiece," etc., and will be bred to either Berryton Duke, Jr., Charmer's Duke 29th or Artful Masterpiece—a trio of great breeding boars. Come to sale or send bids to O. W. Devine, who will represent Kansas Farmer.

#### SUTTON, CHAS.

Lawrence, Kansas

# SPECIAL SALE JACKS and JENNETS MARCH 1, 2, 1911

5th ANNUAL SPECIAL SALE OF

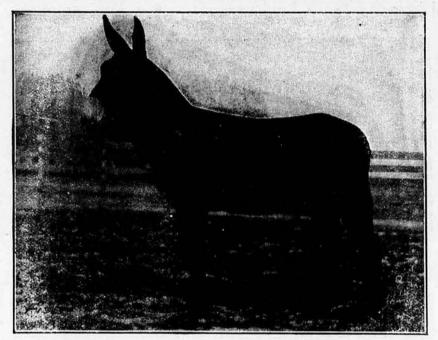
# JACKS AND JENNETS

Lafayette County

JACK FARM

One mile east of Higginsville, on main line of C. & A. and Lexington & Sedalia Branch of Mo. Pandc, 55 miles east of Kansas City.

Send for catalog. Come to my sale.



100 Head High-Class Registered Black

# JACKS AND JENNETS

Every animal registered and guaranteed as represented. Nothing priced or sold after catalogued. Free conveyance from town to sale. Catalogues will be ready February 1. If interested write for catalogue and come to the sale. You will not be disappointed, but highly pleased, as I am offering the best bunch of jacks that I have ever had the pleasure of offering to the public. They have been picked from the best strains of blood in Missouri and Kentucky. Every one a good one, with size and quality combined. I will be pleased to meet you and entertain you at my expense. Stop at the Arcade Hotel, opposite C. & Alton depot.

W. J. FINLEY, Higginsville, Mo.

# LAKEWOOD FARM

The Greatest Breeding Establishment in the World

Our Percheron winnings at the recent Chicago International, which is conceded to have been the greatest Percheron Show ever held in the world, has never been equalled before.

At this great show, we won:

CHAMPION STALLION, showing four of his get (CALYPSO)
CHAMPION AMERICAN BRED STALLION
RESERVE CHAMPION AMERICAN BRED STALLION
CHAMPION MARE

CHAMPION AMERICAN BRED MARE

Also TWENTY-FIVE other prizes. All of these CHAMPIONS were sired by the world's famous CALYPSO.

LAKEWOOD FARM IS HEADQUARTERS FOR THE BEST, and our prices are reasonable. Send for illustrated catalog.

H. G. McMILLAN & SONS, Props.

Rock Rapids, Iowa

# LAMER THE IMPORTER

50 head of imported Percheron and Belgian Stallions and Mares for sale at "Let Live Prices." Write for catalog. Prices right.

C. W. LAMER,

SALINA, KANSAS

# AVONDALE STUD FARM -- CLYDESDALES LARGEST IMPORTER AND BREEDER OF CLYDESDALES IN U. S.

Our winnings at the State Fair, including the Grand Champion Stallion of the International, 1910, is our best advertisement. Those wanting stallions or mares should we will make a special discount for next 30 days. We are 40 miles west of Peorle on Foundations in February, the C., F. I. & P. Ry.

# Imported Percheron and Belgian

# Stallions

A number of fine stallions from the famous Holbert Importing Co., of Greeley, Ia., are now for sale at Krause Feed Barn, New Hampshire Street, Lawrence, Kan. All of them young stallions in the pink of condition, ready for service. Horses Right. Prices Right. Communicate with George Robertson, Lawrence House, Lawrence, Kan., or better, come and see them.

A. B. HOLBERT, Lawrence, Kans.



# Percherons and Belgians

Our barns are full of the best Stallions and Mares we could buy in the old country; from 1 to 6 years old with plenty of size and quality. We pay no auctioneers or commissioners, but sell direct at prices that will interest you. A 60 per cent guarantee with every herse. Can show between trains.

Skoog, Reed & De Cow

Holdrege, Nebraska



# ROBISON'S PERCHERONS

For sale now, 100 head of stallions, mares and colts, of all ages. All stock recorded in Percheron Society of America.

J. C. ROBISON, Towanda, Kan.

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# FIELD NOTES

FIELD MEN.

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

#### PURE BRED STOCK SALES.

Horses,

Percherons, Belgians and Shires, Feb. 28 and March 1, 2, 3, 1911—Breeders' Sale Co., Bloomington, Ill, March 15—Percheron stallions and mares, Kentucky jacks, at Lincoln, Neb. O. P.

Combination, March 4-11—Enid, Okla., Live Stock Show and Sales,

Jacks.
March 1, 2—W. J. Fintey. Higginsville, Mo.
March 7—G. C. Rban, La Plata, Mo.
March 8—J. E. Clary & Sons, Sheridan, Mo.

June 8-C. S. Nevius, Chiles, Kan.

Berkshires.

March 2—Charles E. Sutton, Sutton Farms,
Lawrence, Kan, Lawrence, Kan.

Duroc-Jerseys.
Feb. 27—Morgan & Kaump, Blue Rapids, Kan. March 1—Frank Elder, Green, Kan. March 15—E. S. Davis, Meriden, Kan.

Poland Chinas.

Feb. 28—W. R. Stump, Blue Rapids, Kan.
March 4—C. H. Pitcher. Glasco, Kan., and
E. C. Logan, Beloft, Kan. Sale at Concordia, Kan.
May 12—C. S. Nevius, Chiles Kan.
Oct. 11—S. A. Hobson & Son, King City, Mo.
Oct. 21—W. C. Singer, Hiawatha, Kan.
Oct. 25—Walter Holdwein, Fairview, Kan.
Oct. 26—H. H. Foster, King City, Mo.
Oct. 27—J. C. Halderman, Burchard. Neb.
Oct. 31—W. T. Williams, Valley Falls, Kan.
A few years ago this editor plowed corn
Hendershot, Hebron, Neb.
Nov. 1—H. B. Walter, Effingham, Kan.
Nov. 2—H. C. Graner, Lancaster, Kan.

Meriden, Kan., March 3, 1967.

Currie Windmill Co., Topeka, Kan.

Gentiemen:—I received the Grinder all right and am well pleased with it. In grinding ear corn it runs much easier than most of the geared mills I have tried. Wishing you success, I am, truly, E. A. COLEMAN.

A Correction.

Attention is called to the difference in the picture in the advertisement of the De Laval Soparator Co. New York, as it appears on page 26 of this paper, and in the advertisement in Kansas Farmer for January 28 last, on page 7, and in the February 4 issue on page 18. Through an oversight the wrong illustration was used in the two issues above, last referred to. The Da Laval Separator Co. assures the public that the Da Laval is vasily superior to the kind of separator pictured, through error, in the two advertisements before noted. All the De Laval agencies will be glad to explain and demonstrate as to the superiority of the Da Laval. Or a letter to the company to its nearest office will bring by return mail full explanation and descriptions. Wo suggest to all intending separator buyers finding out all about the difference in favor of the De Laval separator.

Saving Money on Implements.

Saving Money on Implements.

A few years ago this editor plowed corn Plow Co., Monmouth, Ili. It was in all with a cultivator mede by the Monmouth to this story is, that, that cultivator cost \$18.90 at the local implement dealer's store. Today the same cultivator can be bought for \$12.00, just one-third less than the old price. What makes the difference? Just this: the full line of implements made by the Monmouth Plow Co, is sold direct to the farmers for wholesale prices, where before it was sold by dealers. The saving is in the method of selling. The Monmouth Flow Co, issue a book—a fine one—in which their charge of plows is explained and the reasons therefor. This is interesting and proflable reading for every farmer, even if he never buys a Monmouth implement in his life time. A simple request to, the company, addressed to Monmouth Ill., will bring it free to all who ask for it. Get your conv of it now before the books may be all gone.

Peckham Makes Fair Sale.

R. J. Peckham of Pawnee City. Neb., held his winter bred sow sale on February 15. In this sale he disposed of one of the best hunches of Poland Chinas of the season and at least \$10 per head below what they should have brought. Because of a farm sale held in the vicinity and two other breeders sales held on the same day the crowd at Mr. Peckham's sale was a small one. Some of the representative sales are reported herewith:

No.

740		DE OF
2.	John D. Ziller, Hiawatha, Kan !	35,00
3.	J. E. Bowser, Abilene	90.00
8	F. C. McCracken, Pawnee City	36.00
	Fred Kerl, Pawnee City	32.00
11.	Fred Kern Lannee Chy	32.00
12.	Fred Kerl	29.00
15.	W. L. Kerl, Pawnee City	
18.	J. W. Ardrews, Leonardville, Kan.	29.60
25.	J. E Bowser	44.00
26.	W. L. Kerl	33.0
31.	Willis Morrill, Pawnee City	30.00
32.	J H Harris, Clifton, Kan	35.00
33.	F. C. McCracken	34 0
34.	John R. Mettler, Atword, Kan	45.0
35.	Robt, McCracken, Pawree City	32.0
39.	J. H. Harris, Clifton, Kan	3C.0
41.	W. I. Curle, Pawnee City	29.0
42.	Chas, Bassett, Pawnce City	28.0
43.	Katle Peckham. Pawnce City	40.0
45	N A Gabby, Pawnee City	37.0

A P. Wright Sale Low.

A P. Wright Sale Low.

Owing to a heavy rain and storm all over the state in general, the crowd reduced semewhat from the usual number. The heaviest rain of the season continued all day and many of the local fermers did net venture out. The offering was good and several breeders were present. while several were represented by mail bids, but the local support was not strong. Mr Wright is worthy of better support on such a good offering. However, we predict that every hog sold will prove a valuable nurchase to the buyer and make a satisfied customer. Following is report of all selling above \$25: No. J. M. Henderson, Forestburg,

Tex. \$107.00

1. J. W Weaver, Maze, Kan. 22.00

2. J. W. Weaver, Maze, Kan. 40.00

5. J. W. Weaver, Maze, Kan. 31.00

6. Walter Martin, Beileplain, Kan. 26.00

8. E. T. Drake, Wichita, Kan. 36.00

9. Skyler Jones 36.60

14. Skyler Jones 40.00

15. J. E McKeg, Newton, Kan. 30.06

16. G. T. McGuire, Sedgyick, Kan. 25.00

17. J. E McKeg, Newton, Kan. 30.06

21. G. T. McGuire, Ellinwood, Kan. 25.00

22. Skyler Jones 40.00

23. Skyler Jones 30.00

25. Skyler Jones 40.00

26. Clarence Boyer, Newton. 27.00

27. J. W. Weaver 32.00

28. Reuben Cox, Rose Hill, Kan. 36.00

29. Reuben Cox, Rose Hill, Kan. 36.00

20. G. F. Daphenbaugh, Valley Center, Kan. 26.00

24. Skyler Jones 30.00

25. E, T. Drake, Wichita. 30.00

26. Skyler Jones 30.00

26. Skyler Jones 30.00

27. J. W. Weaver 32.00

28. Skyler Jones 30.00

29. Skyler Jones 30.00

20. Skyler Jones 30.00

Lot 58-Ulica, O. T. Harlow, Vesper, Kan., \$460. \$450. SUMMARY, 23 stallions ...\$118,935, averaged \$783,91 25 mares ...\$11,920, averaged \$541.81 45 head ...\$29,950, averaged \$665.55 



Three 2-year-old Percheron mares weighing three tons. At the Metz barns, Abilene, Kan., from which eight such horses were sold in the last ten days.

Robison's Percheren Sale,
With the exception of the sale which
they made two years ago the sale made on
February 14 was the best ever made by the
Whitewater Falls farm. The average on 45
head was \$665 with a top stallion at \$1,200
and a top mare at \$1,175. If memory serves
this is the 12th annual sale of Percherons
that has been made by Mr. Robison and the
fact that his average price keeps advancing speaks volumes for the quality of the
horses he breeds and imports. The weather
bad been rainy and the conditions for the
sale seemed bad, but in spite of this drawback, there were buyers present from Kansas, Oklahoma, Texas, Missouri and Colorado. The sale was snappy and the horses
good ones so there was no wonder that the
average was good. Sales were as follows:

STALLIONS.

Lot 1—Harshel, S. A. Milburn, Blackwell,
Okla., \$1,050.

Lot 2—Icsrien, Cottingham & Sons, McPherson, Kan.

Okla., \$1,050. Lot 2—Icarien, Cottingham & Sons, Mc-Pherson, Kan., \$910. Lot 5—Black Prince, Sam Hill, Parsons, Lot 5—Black Frince, Kan., \$110, Lot 6—Franklin, E. L. Turner, Frederick, Lot 6—Franklin, E. L. Turner, Frederick, Kan., \$1,056. Lot 7—Hasaki, W. H. How, Lincoln, Kan., Lot 8-Phebo, Harry Jackson, Enid, Okla., Lot 8—Phebo, Harry Jackson, Enid, Okla., \$1,095.
Lot 13—Camelia, S. H. Lincoln, Burns, Kan., \$375.
Lot 14—Sir Edmund, Barney Voth, Munsten, Tex., \$775.
Lot 15—Hanap, S. H. Baker, Bazaar, Kan., \$610.
Lot 16—Bisby, Wallston Coach Horse Company, Wellston, Okla., \$1,000.
Lot 19—Aspirant, W. R. Brown, Minneapolis, Kan., \$425.
Lot 21—Substitute for Lot 23—Henry Boyer, Mount Hope, Kan., \$410.
Lot 24—Lodger, C. W. M. Steele, Winfield, Kan., \$450.
Lot 27—Croiseur, J. W. Wilson, Canton, Kan., \$1,200.
Lot 28—Judge Roy, L. D. Sparks, Wichita, Kan., \$470.

Kan., \$1,200. Lot 28—Judge Roy, L. D. Sparks, Wichita, Kan., \$470. Frondo, Joe Jess, Bluff City, Kan., \$700. Lot 32—Evener, M. M. Simpson, Mc-Clave, Colc., \$960. Lot 47—Ellum, G. Croft, Bluff City, Kan., \$805. Lot 48-Nigger, Tom Grace, Cheney, Kan. Lot Kan, \$500.

Lot 53—Favori, Carl Herman, Mustang, Okla, \$450.

Lot 54—Foremost, S. H. Johnson, Parkville, Mo., \$275.

Lot 55—Teddy R., James Jensen, Kinsley, Kan., \$535.

Lot 56—Marcheur, G. B. Allen, Meade, Kan., \$1,075. Favori, Carl Herman, Mustang,

MARES.

Lot 3—Gitana Cottingham & Son, McPherson, Kan., \$510. Lot 4—Joyeuse, M. Clough, Eldorado, Kan. \$475. Lot 9—Irritante, W. N. Banks Independence Kan. \$800. Let 16—Instance W. N. Banks Independence Kan. \$800. Lot 11—Junia, M. Clough, Eldorado, Kan. Lot 17—Girofla, George Perrauld, Morganville, Kan., \$520.
Lot 18—Petria, O. H. Nelson, Kiowa, Kan., \$400. Kan., \$400.

Lot 21—Fallacy, R. V. Parks, El Reno, Okla; \$1,175.

Lot 25—Rhoda, Sam Hill, Parsons, Kan., \$465.

Lot 26—Perlao, Harry Eschelman, Sedgwick, Kon., \$260. Lot 26—Perciao, Harry Eschelman, Sedgwick, Kan., \$360.

Lot 29—Empress, Cottingham & Son, Mc-Pherson, Kan., \$555.

Lot 30—Corine, H. M. Hayen, Enid, Okla., \$410.

Lot 33—Marilla, Levi Morgan, Mutual, Okla., \$440.

Lot 34—Uretta, Levi Morgan, Mutual, Okla., \$475.

Lot 35—Nadine, W. R. Brown, Minneapolis, Kan., \$535.

Lot 36—Magale, W. R. Brown, Minneapolis, Kan., \$535.

Lot 41—Musca, G. O. Cramer, Wabaunsee, Kan., \$535.

Lot 42—Beauty, G. O. Cramer, Wabaunsee, Kan., \$505.

Lot 43—Gondole, K. Croft, Bluff City, Kan., \$510.

Lot 12—Clofta, John Strother, Kiowa, Kan., \$520.

Lot 57—Carabine, O. T. Harlow, Vesper, Kan., \$480.

PERCHERONS,
30. A. J. Freeman, Parsons, Kan... 910
33. H. A. Rodermund, Lincoln, Mo.. 553
34. J. H. Herring, Murpheysboro, III. 430
35. S. J. Miller, Kirksville, Mo.... 325
29. Bradley Bros, Warrensburg, Mo.. 619

Ziller Sale Poor on Account of Rain.
John D. Ziller's February 17 sale was almost a failure on account of a heavy rain making the roads almost impassible. Three of the Percheron horses were sold and about two thirds of the Penand Chinas, but the competitior was so light that low prices were realized. A partial list of sales follows:

low	
1.	
17	dena, Kan\$43.0
2.	W. A. Tiffany, Hiawatha 30 0
3.	J. E. White & Son, Chickasha,
	Okla 45.0
4.	Ole Oleson, Rebinson 40.0
5.	A. & P. Schmitz, Alma 41.0
6	J. E. White 40.0
7.	0. 20 1111110111111111111111111111111111
8.	
9.	J. E. White 35.0
10.	M. Howard, Morrill 29.0
12.	A. & P Schmitz 45.4
13.	J. E. White 29.0
17.	Herman Gronniger & Son 29.
23.	E. L. Ziller, Hiawatha 25.0
25.	J. E. White 30
26.	A. & P. Schmitz 33.
	A & D Cohmits
27.	A. & P. Schmitz 41.
39.	J. F. Stricker, Sparks 28.
43	C. F. Lewis, Sabetha 25.
	No. of the contract of the con

Glissmann's Holstein Sale.

Henry C. Glissmann, Steilon B, Omaha. has been selling Holstein cattle at the South St. Joseph stock yards for several years, and has uniformally made good. The fifth annual sale occurred on Tuesday and Wednesday, February 7 and 8, and the prices realized indicate at once that he had good stock to offer and that there is a demand for specially bred dairy cattle. There were 114 head cainloged in the pure bred sale, and in addition a number of cows, helfers and calves that were full bloods but not registered were disposed of after the registered animals had been sold. The sale of pure bred animals that reached \$175 or more was as follows:

nor	was as follows:
1.	Andrew Chantland, Badger, Ia \$230
3.	W A. Ellictt, Pocahontas, Ia 190
5.	Chris. A. Jorgensen, Kimballton,
	Ia 200
8.	H. L. Severe, Palmyra, Neb 310
15.	P. S. Knutson, Thor, Ia 200
17.	John Snyder, Joplin, Mo 201
20.	F. H Milness & Son, Chariton, Ia. 19:
26.	W. A. Ellictt 186
10.	R. I. Haeger, Algonquin, Ill 211
11.	Frank D. Nelson, Harlan, Ia 221
13.	J. W. Marcum & Son, Haigler, Neb. 221
86.	J. W. Marcum & Son, Haigler, Neb. 221 J. W. Marcum & Son
39.	W. A. Elliott
17.	L. C. Rasmusson, Colon. Neb 23
13.	F. C. Embree, Murns, Neb 23
53.	Emil C. Johnson, Meade. Neb 30
Kn.	Lars A. Christensen 18
63	H. O. Williamson, Herman, Neb. 20
66.	Albert Holen, Colon, Neb 21
67.	Tivingston & Turner, Perry, Ia 18
68.	C. A. Jorgensen 23
72.	Henry Hanke, Neola, la 25
73.	Henry Hanke 20
75.	Henry Hanke
77.	G. P. Christensen
91.	C. L. Rethell, Crab Orchard, Neb., 18
03.	
96.	Tivingston & Turner 19
97.	T. H. Milness & Son
101	
108	
109	
110	
111	. G. P. Christensen 31

The Enid Sale.

The big combination sale at Enid will be held in connection with the stock show March 4 to 11. About 50 head of Polan China hogs and the same number of Dures will be sold on Tuesday, March 7. The man agement of this sale has arranged with the faculty of the A. & M. College of Stillwale to vaccinate each hog upon its arrival at the stock pavilion. They save also arranged to have the entire building thoroughly disinfected every day with a coal tar displactation. Dr. L. Lewis, the veterinaria from the State Experiment Station, state that in his judgment all danger of contagious diseases will be eliminated by so doin. This sale will probably on the largest combination sale of pure bred horses, cattle as hogs held in the Central West this sprint Some of the oldest and most reliable breeder have made consignments, and they come from Indiana, Ohio, Illinois, Iowa, Nebraka, Kansas and Oklahoma, making a tou of about 100 head of registered horses as the same number of cattle and hogs covering all breeds.

Lee Gross' Sale.

One of the big Foland China bred sow sales of the season was held February is by Lee Gross, the well known breeder of big Foland China hogs at Nedaway, Mo Fifty-nine head of bred sows sold at a average of \$63.72, and no finer lot has bee offered this season. Following is a list of sales:

	John Belcher, Raymore, Neb	175 4
100	Fuller Bros., Humphrey, Mo	80.00
	W. B. Wallace, Bunceton, Mo.,	
•		75.0
•	W B. Wallace	87.54
•	James Kennish, Mound City, Mo.	
	J. B. Lawson, Clarinda, Ia	70.0
	Geo: Prettyman, Fairfax, Mo	90.04
9	Harry Wales, Peculiar, Mo	80.0
	Lamberger, Humboldt, Neb	75.00
	C. S. Nevius, Chiles, Kan	125.4
:	James Kennish	191 6
	W. R. Webb, Bendera	70 44
	C. R. Long, Roff, Mo	200.44
2	H. B. Walter, Effingham, Kan	77.14
•	James Kennish	
		140 M
	S. A. Schnildt & Son. Savannah,	
	Мо	
	John Belcher, Raymore, Mo	
•	C. J. Wocds	85.0
	H. C. Grerer, Lancaster Kan	
	Harry Wales	85.0
	L. V. O'Keefe, Stillwell	97,54
-	W. W. Thompson, Hopkins, Mo	
130		
	Sale Postponed to March 17.	
	Description of manager at	

Sale Postponed to March 17.
Owing to the unfavorable condition of the weather the Miller & Manderschied Polasi Ching sale advertised for February 18 we postponed until March 17. See ad in near week's issue and arrange to attend the sale on March 17. The offering of bred sort are in fine condition. Many of them will farrow before this date, but they will either be sold with litters or others substituted a their place equally as good. See ad in near week's issue.

THE PERCHERON SOCIETY OF

AMERICA.

Has just taken over all records and husines of Percherch Registry Company of Columbus, Ohio, 215 breeders took membership. P. S. of A. during Dec. and January aloss 127 more new members added through reent acquirement named above. There is now but one recognized Society in the United States recording Percherons. For information address WAYNE DINSMORK Secretary, Union Stock Yards, Chicago, Ill.

Paint at 85c a Gallon.

A strictly reliable, and fully guranteed Red Barn paint is what we can buy, for 85c a gallon, freight prepaid, from the Sunflower Paint and Varnish Co., Fort Scott, Kan. This company is not in the paint trust, and sells its entire output direct to farmers at factory prices. Write the company for full particulars. It is worth your while, if you need paint in the near future.

H. L. Faulkner's Sale.

H. L. Faulkner's sale of big spotted Print of the hinas, held at Jamesport, Mo. February 15, was well attended and the offering sold at prices that demonstrated the ropularity of the big boned spotted Polssa Chinas with breeders and farmers, Although a number of states were represented a number of states were represented as sas, Missouri, Oklahoma and Texas funished a large per cent of the buyers. Following is a partial list of buyers:

33. P. C. Thompson, Lock Springs, Mo.

36. Andrews Stock Farm.

37. Andrews Stock Farm.

38. Z. T. Northoutt.

39. Docley Bros., Lone Belle, Okla.

40. Ancrews Stock Farm.

42. C. H. Goff, Easton, Kan.

43. G. R. Wren, Gower, Mo.

44. A. Melbourne, Belton, Mo.

45. E. Foster, Oregon, Mo.

46. Z. T. Northoutt.

50. L. A. Robinson Mossby, Mo.

Attention is called to the change in the card of Harry R. Coffer. Savannah, who breeder of high class Shorthorn cattle, of coffer is the owner of one of Missouris street cellent Shorthorn herds, and will hold seen april 27. If in need of Shorthorn ing stock of high quality, Mr. Coffer ing stock of high quality, Mr. Coffer with them and will be pleased to answer all write him at Savannah, Mo.

Ah

ma sale Cur inc of 1.

pelgranty 25, 1911.

In a "row, altalian bayer."

Try find giving all connections a "bayer."

Try find giving all connections are "bayer."

Try find giving all connections and giving all connections and giving all connections and giving all connections and giving and giving

Choice Fall Duroc Jersey Pigs.

Chapin & Nordstrom have just held one of their very successful bred sow sales and ask for a change of copy. They are now offering for quick sale at very attractive prices 50 choice fall pigs sired by G. C.'s Kansas Col. and Choice Col. by King of Cols. 2d They are excellent individuals and out of great sows that have been producing herd boars for several years. Nordstrom & Chapin must make room for the crop of pigs that will soon begin to arrive, and for this resson will offer these pigs at bargain prices. Write quick and mention Kansas Farmer.

Chepin & Nordstrom Make Good Average.
Chapin & Nordstrom sale held at Clay Center, Kan., February 14, was well attended by breeders from Kansas and Missouri. The tried sows and fall glits were well sold, but the spring glits, many of which were not very well grown out and were bred late, sold rather low. There were no extremely high prices. W. C. Whitney, Agra, bought the top at \$109. The local crowd was doubtless cut short by the heavy rain of the day before. Forty head averaged \$55 per head, lacking a few cents, and the entire 48 head alold brought \$2,367, average \$49.32. Col Flank Zaun did the selling, assisted in the ring by Col. James T. McCuloch. Following is a list of representative sales:
No.

1. W. C. Whitney, Agra. . . . . . . . . 60.00

1.	W. C. Whitney, Agra	60.00
2.	J G Arbuth not Cube	74.00
3.	J. G. Arbutt not, Cuba	14.00
4.	W A. Sparks, Clay Certer	42.50
5.	Fred J. Miller, Wakefield	72.50
6.	dilles Brannen Clay Center	39.00
7.		50.00
8.		75.00
9.		42 50
11.		65.00
12.		109.00
10.		41.00
13		80.00
14.		102.00
15.	W. T. Hutchinson. W. C. Whitney	80.00
16.	W. T. Hutchinson	62.00
17.	W. C. Whitney	76 00
18	W. C. Whitney	53.00
19.	C. W. Ward, Shamrock, Mo	60.00
20,	A. C. Kohelburg	
21.	Ward Prog	75.00
25	Ward Bros.	87.50
26.		43.00
27.		60.00
28.		65.00
29.	Ward Bros.	61.00
30.	Philip Young, Morganville	36.00
31	Chas. Hagenbach, Morganville	60.00
32.	J. E. Lott, Smithville, Mo	61.00
34.	W. E. Monnesmith, Formeso	55.00
36,	Bert White, Clay Center	36.00
38.	A. T. Erieson	39.00
41.	A. T. Ericson, Leonardville	41.00
47.	A L. Wylle, Clay Center	38.00
	Tom Thornton, Clay Center	35 90
	Clay Center	30 91

Bowser's First Sale a Success.

J. E. Bowser of Abliene, Kan., held his first Poland China sale at the farm Friday, February 10, selling 43 head, many of the were late gilts and bred for late litters. A fall yearling topped the sale at 352, and was purchased by W. H. Hanson, Abliene. The 48 head of catalogued animals sold for an average of \$37.50 The Curphy and H. R. Little. Following is an incomplete list of sales with price and name of huver.

1 1	ouver: list of sales with price and	name
2.	O. R. Dominion	86.00
3.	C. S. Carrothers, Saina	45.00
4.	J A. Stoffer, Abilene	34.00
5.	George B. Ross, Alden	48.00
7.	Geo. Slater, Abilene	86.00
8.	John C	35.00
9,	John Snyder, Manchester	84.00
	Meyer, Lincoln Conton	04 00

		1
10	C. S. Carrothers	ac.00
12.		36.00
13.	C. S. Carrothers	47.00
14.		33.00
15.		33 00
16.		35.00
17.	S. R. Barry	36.00
19.	Fred Meyer	42.00
20.		40.69
22.		34.00
25.	H. R. Ross	36.CO
28.		35.00
29.	Paul Bryson	37.00
27.		35 00
26.		43.00
G.		36.00
31.		35.00
2.9		37.00
40.		50.00
42.		
43.		38.00
45.	T W Cites Abiton	50.00
49.	T. W. Silfer, Abilene	43.00
	W. H. Hansen, Abilene	52.00
52.	John Baer, Abilene	42.00

Samuelson Brothers' Sale a Success.

The public sale of Duroc Jersey bred sows held by Samuelson Bros, at their Cleburne farm on February 9 was very satisfactory. While the offering did not bring quite as much as it should considering quality, the boys were very well pleased with the result. With Col. L. R. Brady on the block and Col. J. T. McCulloch in the ring there was something doing all the time. This was one of the evenest sales of the season, only four head selling for \$50 or above and only four at under \$30 each The average on the entire 55 head was \$37.25. No. 4 of the catalog topped the sale, going to the Higgins Stock Farm at Abilene, Kan., for \$52. Following is a list of sales:

No.	OWING IS S' HET OF RETOR:
1.	Tilender Christ Warms Abliance AFO OO
	Higgins Stock Farm, Abilene \$50.00
2.	J. Wlesendanger, Manhattan. 44.00
3.	G. H. Carlson, Olsburg 46.00 Higgins Stock Farm 52.00
4.	Higgins Stock Farm 52.00
5.	John Chelson, Olsburg 43.00
6.	John Chelson 51.00
7.	J. L. Benson, Cleburne 46.00
8.	C. R Ekblad, Cleburne 40.00
9	C. R. Ekblad 47,00
10.	G. H. Carlson 39.00
11.	Albert Heller, Riley 50.00
12.	J. D. Shepard, Abilene 49.00
13.	T D Walest Ware
14.	J. B. Haley, Hope
15.	Albert Heller 43.00
16.	Wm. Walters, Riley 37.00
17.	J. H. Heller, Randolph 41.00
18.	G. M. Hammond, Manhattan 34.00
19.	Harton Thompson, Garrison 35 00
20.	G. M. Hammond 46.00
21.	Albert Noline 32.00
22.	E. H. Ehrickson, Olsburg 34.00
23.	J. B. Haley 44.00
24	Wm. Walters 84.00
25.	Lindbloour Bros., Cleburne 33.00
26.	John Chelson 34.00
27.	J. B. Haley 35.00
28.	G. M. Hammend 35.00
29.	Arthur Ekholm, Olsburg 30.00
30	J. B. Haley 39.00
31.	Wm. Walters 34.00
32.	E. H. Ehrickson 35.00
33.	Arthur Ehholm 36.00
34.	Albert Noline 35.00
35.	John Chelson 36.00
36.	John Chelson 36.00
37.	Thompson Bros., Garrison 42 00
38.	Thompson Bros 38.00
	F. G. Johnson, Cleburne 38.00
89.	Arthur Ekholm 34.00 Arthur Ekholm 34.00
40.	Arthur Ekholm 34.00
41.	B. D Cooke, May Day 80.00
42.	G. H. Carlson 85.00
43.	B. D. Cooke 31.00
44.	Gus Vogue, Olsburg \$2.00
45.	Fred Linguist 86.00
46.	Lindbloom Bros 27.00

47.	Wm, Heller, Randolph	31.00
48.	E. H. Ehrickson	81.00
49.	J. L. Bensen	36.00
50.	Lindbloom Bros	30.00
51	E. H. Ehrickson	31.0C
52.	Wm. Heller	29.00
53.	Wm. Heller	29.00
54.	E. H. Ehrickson	
55.	G. H. Carlson	39.00

#### The Buchheim Duroc Sale.

The Buchleim Duroc Sale.

On Monday, February 13, Mr. F. M. Buchheim of Lecompton, Kan., held one of the most satisfactory Duroc Jersey bred sow sales of the season, and when the circumstances are considered, one of the best we ever attended. The long drouth was broken by a heavy downpour of rain during the sale and this bad weather, together with the fact that the sale was held on Monday and about six miles from town, served to reduce the size of the crowd and make the average of \$41.80 all the more significant. The hogs were of excellent breeding and were offered in fine shape generally. There were not many breeders present, but the farmers appreciated the offering and the bidding was spirited. Mr. Buchheim plans to spend the summer in the mountains for his health, and though he will not be in the breeding business in a large way, he will relain some of his good hogs for future operations. One of the test gilts in the offering was by Long Wonder 21867 and was taken by Ira Romig of Topeka for his young son, whom he thus gives an interest in farm life. The sales were as follows:

No.

1. W. T. Jones, Independence, Mo., \$55.00.

lo.	The sales were as follows:	
1.	W. T. Jones, Independence, Mo	00
2.	J. H. Correll, Lawrence, Kan	43.00
3.		
4.		45.00
5.		50.00
6.	C. G. Czaplinski, Lawrence	74.00
7	W. N. Sanford, Lecompton W. T. Jones	46.00
8.	W. T. Jones	63.00
9.		57.00
o.	C. G. Czaplinski	75.00
1.		50.CO
2.	W. T. Jones	59.00
3.	Fred Sulzen, Lecompton	43 00
4.	C. C. Swartz	40.00
5.	A. E. Wilsey, Lecompton	33.00
6.	J. A. Leach, Baldwin	30.00
7.	Chas. McCleary, Lecompton Wm. Banning, Lawrence	37 00
8.		35.00
9.	Ira Romig, Tepeka	44.00
	C. J. Copp, Lecompton	32.CC
0.	Wm. Fitzpatrick, Lecompton	30.00
	Fred Deskin, Lecompton	28.50
2.	Marshall Gray, Lecompton	29.00
	Wm. Cummings, Lawrence	38.00
4.	Wm. Cummings	32.00
5.	Wm. Cummings	21.00
6.	Marshall Gray	36.00
7.	Wm Fitzpatrick	29.00
8.	J. A. Leach	31.00
9.	T F. Haas, Baldwin	30.00
0.	Wm. Cummings	25.00
1.	G. A. Anderson, Lecompton	26 00
3.	C. J. Copp, Lawrence	40.00
3.	Wm. Banning	32.00
4.	G. A. Anderson	32.00
6.	G. A. Anderson	31.00
7.	Ches McCleary	30.00
8.	Chas. McCleary	22.00
9.	G. A. Anderson	20.00
C.	Marshall Gray	20.00

#### White Bros, Make Good Sale.

The White Bros, of Buffalo, Kan., were well pleased with prices received. Col J. W. Sheets did the selling and was assisted by Col. Miller of Yates Center, who gave valuable assistance in the ring work. The offering was first class and the sale was a quick, snappy one. The White Bros.

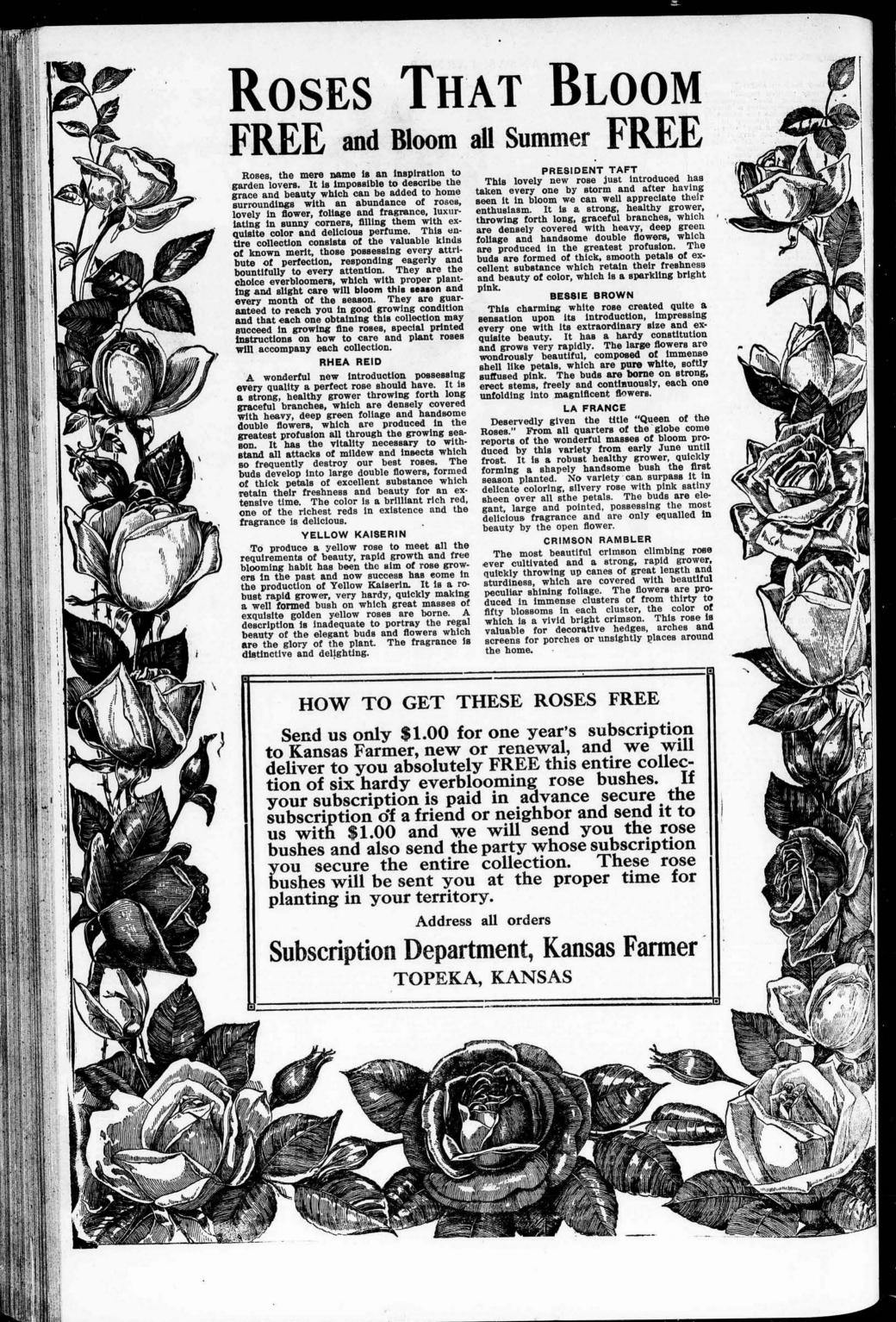
haves made a record for growing and breeding some of the best Durces in Kansas, They have one of as well bred herd bears in Buffalo Chief as we know of and he has preven a great sire of real-high, toppy stuff. Following is report for all sallies.

oll	wing is report for all selling for	٠,	25.
0.			
1.	J. J. Baker, Independence, Kan. H. A J. Coppins, Potwin, Kan.	•	36 00
2.	H. A J. Coppins, Potwin, Kan.	86	33.00
8.	Sam Drybread, Elk City, Kan Louis Arthur, Neodesha. Kan		85.00
4.	Louis Arthur, Neodesha, Kan.	54	30.00
5.			
6.	11. Lauber, Intel Center, Kan.	200	26 00
7.	Louis Arthur Frank Drybread, Elk City, Kan.		47 00
8.	Frank Drybread, Elk City, Kan	•	21 50
9	A. P. Clow, Buffalo, Kan W. S. Gray, Neodesha, Kan		40.50
0.	W. S. Gray, Neodesha, Kan		42.00
1.	W. S. Gray	•	34.00
2.	W. S. Gray C. W. Lyons, Coffeyville, Kan.	•	41.00
8.			40 00
4.	T. C. Ryan		37.0C
3.	C. B. Young, Rose, Kan		44.50
7.	A. R. Vice, Rose, Kan		32.50
).	Frank Drybread, Elk City Kan		25,00
).	T. N. Smith, Chanute, Kan Geo. Clark, Rose, Kan		39.00
١.	Geo. Clark, Rose, Kan	8	40.50
2.	E. R. Eirlekson, Rose, Kan		28.00
١.	J. J. Baker		30.00
,	J. H. Martin, Buffalo, Kan		46.00
7.	E. Orland, Rose, Kan		80.00
7 1/2	E. Orland, Rose, Kan		33.00
3	G. C. Norman, Winfield, Kan		33.00
9.	Frank Drybread	4	31 00
0.	J. Reed, Buffalo, Kan		25.00
1.	H. Lauber	•	33.00
2.	Frank Drybread		31.00
3.	Geo. Clark, Rose, Kan		38.00
4.	I. G. Moore, Buffalo, Kan		30.00
5.	Frank Drybread		28.00
6.	I. G. Moore	2.3	29.00
7.	D. R Erickson		50.00
8.	D. R Erickson Louis Arthur		51,00
9	sam Drypread		
F	rty-three gilts averaged \$53.35.		53037

#### Pelphrey Bros.' Cattle Sale.

The Shorthorn cattle sale held by the Pelphrey Bros. was a little below the average, some of the real good cattle sold low. It is probably a well known fact that any kind of grade milch cows without any pedigree will sell better than a pure Scotch cow that is a better milker and a good individual Following is report in full:

Ž.,	711.110 11 102111 11 14111	
0.	H. M. Hill, Lafontaine, Kan\$180.00	
	John Wertz, Humboldt, Kan 147.50	
:	C. S. Nevius	
	C S Nevins 145.00	
	C. S. Nevius	
3.	Dr. O. O. Wolf, Ottawa, Kan. 65.00	
·.	John Wertz 75.00	
:	H N. Hill 70.00	
2.	Jewell Bros 122.50	
3.	J. H. Holcom 97.50	
i.	John Wertz 62.50	
5.	S. Kratzbach, Humboldt 90.00	
j.	Forester Bros 132 50	
7.	C. S Nevius 100 co	
3.	J. H. Holcom 100.00	
).	J. H. Holcom	
).	Dr O O Wolf 9000	
	Jewell Bros 90.00	
١.	Scott McKinley, Humboldt 72.50	
5.	S. Kratzbach 90.00	
3.	Scott McKinley 20.00	
7.	H. M. Hill 95 00	
3.	Scott McKinley 40.00	
	Scott McKinley	
),	Jewell Bros 87 50	
1.	S. Kratzbach 36.00	
3.	C. R. Knapp, Rose, Kan 67.50	
5.	H. M. Hill	
1.		
5.	Dr. O. O. Wolf	
6.	D. L. Holstin 105 00	
7.	S. Kratzbach 84.00	
8.	Tom Peckham, Moran, Kan 67.00	
3	he 32 head sold for \$2,551; average \$86.	



olum