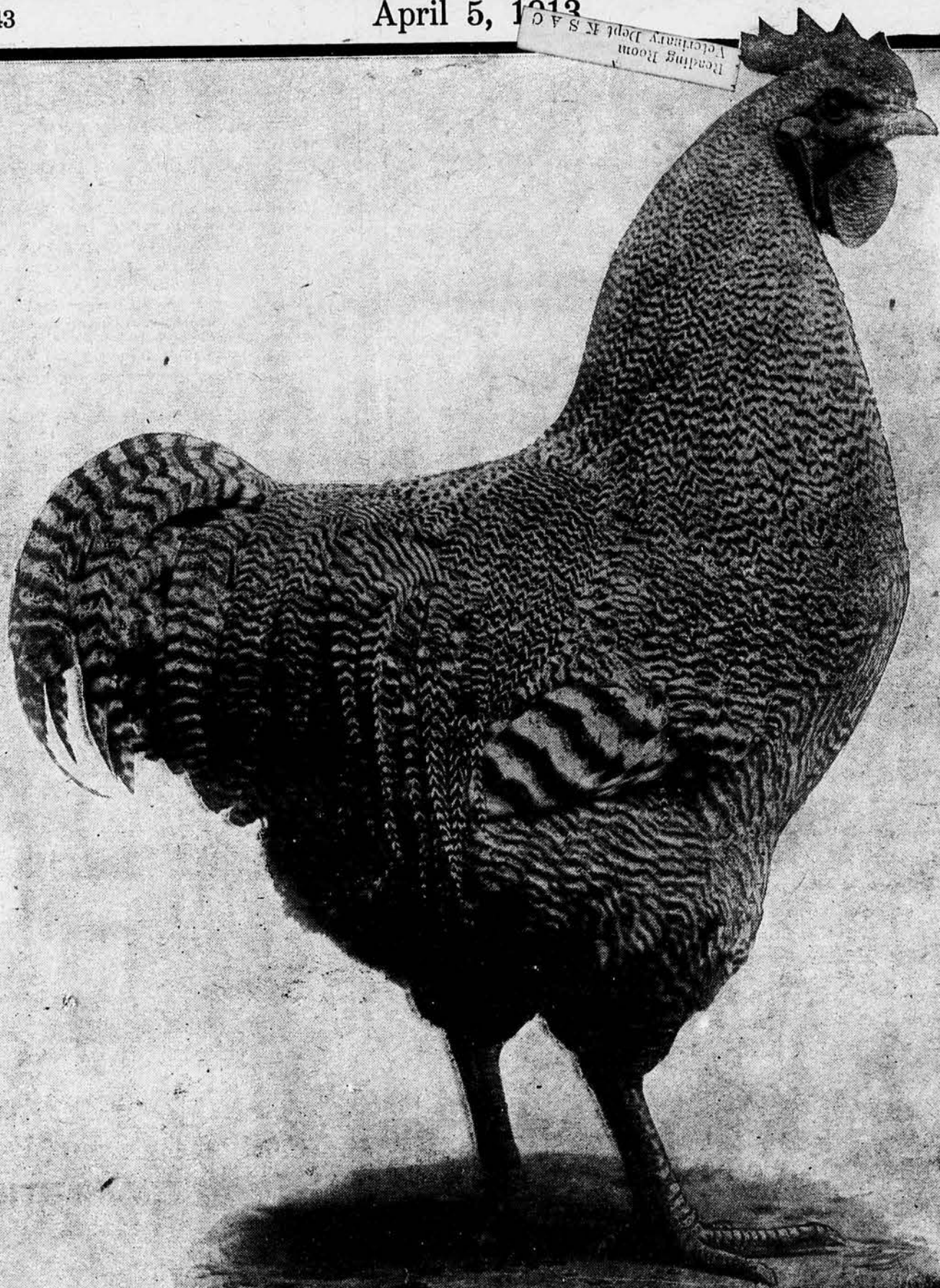


# THE FARMERS MAIL AND BREEZE

Volume 43

April 5, 1912

Number 4



SUPPLEMENTAL POULTRY NUMBER





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# THE FARMERS MAIL AND BREEZE

AN AGRICULTURAL AND FAMILY JOURNAL FOR THE PEOPLE OF THE GREAT WEST



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## A Plea for More of the Practical in Kansas Schools

By Arthur Capper

**Note**—This expression was part of a talk on the subject of night schools made recently before the Trades Industrial council at Topeka. Much of it is of such a general nature that I think it will interest the readers of the Mail and Breeze, as I feel in some measure it voices their opinions of the present situation in the primary and high schools of Kansas.

I HAVE been in the newspaper business a good many years—as printer's devil, as apprentice, as journeyman printer, as reporter, as editor, as correspondent, and finally as publisher.

And a newspaper man is supposed to know more or less—and, I guess principally less—about social conditions and industrial conditions and political conditions; but I can tell you this:

No man, newspaper man or politician, labor-leader nor social reformer, can get a firm grasp upon the needs of the people, unless he has lived the life of the people—the life of the masses—the so-called "common people"—the folks whom Abe Lincoln said "the Lord must have loved because he made so many of them."

We must never forget that all real reform—all progress—comes only when "the common people" of which the Lord has made so many, demand it in downright earnest.

The Biblical injunction is not wrong: "Ask and ye shall receive!" But you've got to do your own asking!

I do not wish to appear as a "knocker" on the public schools of Kansas, or of Topeka, the town in which I live. Many of them have been admirably conducted and are, I believe, the equal of any schools in the world. But, may I venture the opinion that when more than 5,000 Topeka children remain out of the schools, as is the case at this moment, and when only half of those who do enter, remain to the end of the elementary course, there is certainly something wrong with our system of education. The school population of Topeka is almost 12,000, but the average daily attendance is little more than 6,000. The very fact that so large a percentage of the pupils in the public schools leave even before finishing the grammar courses, shows that our elementary and high schools do not offer such courses as would be of the greatest benefit to those pupils in their lifework. Too much emphasis, possibly, has been placed upon the value of purely intellectual training, rather than in an effort to generate an atmosphere of wholesome respect for labor. If we are to have education that fits for life, we must have education that fits not the few for the life they are to live, but the many.

Absolute thoroughness in the common branches—in English, penmanship, spelling, arithmetic and a few essentials, and complete mastery of the simple elements are the conditions most necessary. I am inclined to think we are trying to teach the children too much, with the result that we do not teach them well. There are too many subjects now, and the result is, I fear, that they come out with a superficial knowledge of anything. More than 500 young men and women apply at my office every year for employment. Many of them are high school graduates. I am sorry to say that we are compelled to turn away more than half of this number because they are unable to write a legible hand or to spell many of the simplest words that appear in ordinary business correspondence. I fear, too, the present system of over-educating brings some boys and girls out of the high schools who think they know so much that they don't want to work any longer with their hands. Unless the boys can get an easy job in an office they simply won't work, and the girls refuse to do housework. This is bad for the country be-

cause there is a shortage of intelligent, industrious workers. I think, therefore, we should devote more time to the common branches and the things in life that are of importance to people who work with their hands. Teach them thoroughly, so that the poor as well as the rich may be equipped to cope with the social problems that now confront modern society. Then if there are young people who want to go on with French and German and those things which go with higher education, there should be ample opportunity for that class also.

I should like to see a few of the less useful branches taken from the grammar schools so that

### Need of More Concentration on Fundamentals

I am inclined to think we are trying to teach the children too much with the result that we do not teach them well. Certainly our schools, with few exceptions, no longer teach a pupil thoroughly how to write, nor to spell, nor how to read.

In the elementary schools a few subjects are fundamental and these studies, if reasonably well mastered, form an infinitely better background for a child's future development and progress than any amount of half learned miscellaneous stuff picked up at random from the various departments of science, art, civics, history or literature.

I ask for a school of practical service, a school that will widen the opportunities of every boy and girl in Kansas and teach the child more of the things that will mean bread and butter to him.

In my judgment the best law enacted by the recent Kansas legislature was that which provides for state publication of school books. I would go still farther. I am in favor of free text books because the lack of them keeps us from having free schools. This system of free text books is now in use in almost half the states of the Union and has materially increased the attendance and efficiency of those schools.

Arthur Capper

when a boy or girl has gone through the eight grades, both may possess a complete, practical education. When it is considered that for the large number of boys and girls these grades will be all the education they will get, my contention assumes the proportions of an absolute right.

In making an appeal for more attention to the common branches, I do not, of course, mean abandonment of high ideals of scholarship nor any diminution of regard for the higher education. I am willing to have all the culture and extra knowledge in the colleges, but the graded schools should be kept down strictly to the groundwork of education. I only desire to emphasize the necessity of teaching the child more of the things that will mean bread

and butter to him—the necessity of a larger amount of practical education to a larger number of people.

What would I teach the boys and girls in the grammar school? The three R's. Reading, writing and arithmetic, would be the basic subjects. Certainly our schools, with few exceptions, no longer teach a pupil thoroughly how to write, nor to spell, nor how to read. I would waste no time on the dead languages, but literature and language would be taught in such a manner that a love of the best literature and a desire to use good if not refined English would be the aim of each pupil. Geography and history should be taught incidentally. Hygiene is entitled to a place in the course of study, and I would emphasize cleanliness in all its relations to the human body; as well as ventilation, proper heating and lighting of rooms, especially the school room and sleeping room. The vocational subjects, such as manual training and domestic science, should be given some prominence. I would endeavor to develop every natural power to the highest degree and to teach every pupil, young and old, to think sanely. After eight years' schooling every parent has a right to expect that the state has given the child an education which will enable him to make his way in the world. When it fails to do this, as I think it does now, it is time to remedy things.

In the elementary schools a few subjects are fundamental and these studies, if reasonably well mastered, form an infinitely better background for a child's future development and progress than any amount of half-learned miscellaneous stuff picked up at random from the various departments of science, art, civics, history or literature.

I ask for a practical, up-to-date, present day school—a school that will be of direct practical service and that will widen the opportunities of every boy and girl in Kansas.

I hope that some time in the future some restraint will be placed upon the further expansion of high school courses. It seems to me the high schools have grown in extent of the education they impart until they have become colleges and have been warped out of all proportion to the amount of good the children of this country get in practical education imparted through the public school. I believe there is a pretty, general protest in the public mind against the extension of the education that is imparted through the high schools of the country at the present time. The opinion is rapidly growing that a large proportion of the education for which we are paying large sums of money is worthless to a large proportion of the children.

While we are discussing educational matters, permit me to say that the best law enacted by the recent legislature, in my judgment, was that which provides for state publication of school books. I would go still farther. I am in favor of free textbooks, because the lack of them keeps us from having free schools. This system of providing free textbooks to pupils is now in use in almost half the states of the Union; it has materially increased the attendance and has beyond question enhanced the efficiency of those schools. In no single case is there any movement looking toward the repeal of the free textbook law.

Fewer than half the children who enter our schools finish more than the first six grades. Fewer than one-fourth of the children of Topeka ever enter high school; fewer than one-tenth complete the high school course, and fewer than one-twentieth receive any education above the high school. This disproportion is far greater in the country schools.

Textbooks are as essential for instruction as teachers. Our present system is illogical and inconsistent with the compulsory school law. We will not have

(Continued on Page 23.)



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**PASSING  
COMMENT**  
by  
**T. A. McNeal**

**A STATE LOAN BANK.** Edmond Berrigan, of Woodward, Okla., sends me a copy of a proposed measure which he and others think of submitting to a popular vote, through the initiative, which is in force in that state. This proposed measure is the establishment of a state agricultural bank and the establishment of farmers' loan banks.

The proposed measure is too long to reproduce in full, but in substance it is as follows: The state will establish an agricultural bank. Agricultural bonds (the bill sent me does not say how many) shall be issued by authority of the state and backed by the credit of the state, running for a period of 30 years and exempt from taxation. They shall be issued in denominations of \$25, \$100 and \$1,000, shall be sold at not less than par and bear as low a rate of interest as is possible to borrow money on a bond backed by the credit of the state of Oklahoma.

Ten farmers or more in any community may establish a farmers' loan bank, provided the combined value of their real estate exceeds \$25,000, the capitalization and rules governing the conduct of these farmers' loan banks to be determined by the directors of the state agricultural loan bank.

The farmers' loan banks shall be furnished with money to lend to the members of their organizations at a rate not more than 1 per cent higher than the State Agricultural bank has to pay for interest on its bonds. These loans shall run for 20 years and be paid in 40 equal semi-annual payments. The farmers' loan banks may receive deposits from outside parties, but the loans made through these banks shall be only to their own members.

This plan might result in cheaper money for the farmers of Oklahoma and if so would be an improvement on the present condition. A much better plan, in my judgment, however, would be for the government to issue money direct to states, municipalities and agricultural associations. If, for example, the state of Oklahoma could deposit its agricultural bonds bearing not to exceed 2 per cent interest payable to the government of the United States and the government of the United States should issue thereon currency with full legal tender power, that would give the farmers really cheap money and as a result there would be, as I believe, a great revival of business and prosperity in Oklahoma.

**THE SINGLE LEGISLATIVE BODY.** For more than two years I have been an advocate of a single legislative body. Our present system is cumbersome, expensive and inefficient. But I am not at all willing to go to a single house and that a small body of men, without an effective check on that body.

Experience has proved many times that corrupt and selfish interests always prefer to work their schemes through the smaller of the two legislative

bodies. This is not because the members of the senate are more corrupt individually than the members of the house, but it is easier to get a questionable measure through a small body than a large one. Therefore, to simply substitute a single house with a very limited number of members for two houses and give that small body unlimited powers of legislation would probably be a bad thing. If, however, the people have the opportunity to veto any act of this limited legislative body, the danger will be almost entirely obviated.

I do not believe the number should be as small as has been suggested by Governor Hodges. I think it should be composed of 30 men representing all sections of the state. All acts of a general nature passed by this single house should be submitted to a popular vote for ratification or rejection and the number of general acts should be limited to not more than 25 or 30 at the furthest. These acts should be printed and distributed to all the qualified voters of the state and arrangements should be made to hold a series of meetings in every schoolhouse in the state to discuss and consider the measures submitted, taking them up one at a time and discussing them until the public would have an intelligent understanding of them. The public discussion of these measures would be a great popular education and make the average citizen realize a great deal more than he does now, his responsibility to the state.

Emergency measures that could not wait for this reference to the people should only be passed by a two-thirds vote of this single legislative body and all of these emergency measures should also be printed and distributed among the people, together with the record of the vote of each member of the legislative body on each emergency measure, so that the people could hold their representatives responsible.

With these safeguards I am most heartily in favor of the single legislative body, but unless the power is carefully restricted I would not be in favor of the change.

**TWO VIEWS.** "I tell you," said the pessimist as he laid down his paper, "this world is going to the bad. Everything is getting worse all the time. Living is getting higher; land is wearing out; rivers and streams filling up; floods getting worse every year; wars getting more bloody; more people committing suicide; more people getting drowned and more burned up; churches losing membership and fewer young men with brains going into the ministry; people getting more selfish and crazier to get the dollar, no matter how—just so they can get it; more crime being committed and less respect for law; young fellows killing themselves smoking cigarettes and drinking poison booze; white slave traffic on the increase; police force rotten in the big cities and boodle everywhere; hard to find an honest man anywhere; everything going to hell on a fast trot."

"On the contrary," remarked the cheerful optimist, "things are not getting worse but better. The floods are bad, but the number of lives lost isn't a quarter of what was first reported and neither will the damage to property amount to more than a quarter of the first estimate. We have some bad fires, but none of them that compare with the fire that practically destroyed London two or three centuries ago, when you compare the whole property of the city then with the property now."

"Then there was no way for the rest of the world to help out in case of a calamity of that kind and the people burned out had to perish in many cases because there was no food or shelter. There are no such pestilences now as there were 300 or 200 or even 100 years ago, when it was not uncommon for large sections of country to be practically depopulated by pestilence and famine. People live longer now than they did then and have vastly more privileges and opportunities. More attention is being given to the preservation of natural resources than ever before. More study of the soil is going on than ever before and more intelligent effort is being made to preserve its fertility."

"We think there is more crime being committed because we hear of more and read of more, but there was as much crime in proportion to the population a hundred years ago as now. The morals of the country or of parts of it shock our sensibilities, but that is because the public attention is being called to them more than ever before."

"But we have no such generally low tone of morals as prevailed from the highest to the lowest classes of society in the time of Charles II in England. There is corruption and boodling in a good many places, but in the time of the great Pitt nearly every member of the English parliament was openly for sale and Pitt made no bones of buying legislation with money or offices, which were sold to the highest bidder."

"We lack a lot of being perfect. We also lack a great deal of being as good and honest and virtuous and generous as we ought to be, but the world, after all, is better than it ever was before."

There are two views; you can take your choice. Probably both are partly right and partly wrong, but of the two the optimist, at least, gives us a more comfortable feeling than the pessimist.

### LEGISLATIVE REVIEW.

In trying to present a review of the important acts of the recent legislature I have the fear that I may make it tedious and uninteresting. And yet the work of the legislature is a matter of very great importance. Directly and in-

directly this legislature has appropriated more than 9 million dollars. It has increased appropriations as compared with any previous legislature by more than \$800,000 and it would seem that it is or ought to be of considerable interest to the people who have to pay taxes to know why the increase was made and what for.

Here are some of the increases: For the Agricultural college and its branches an increase of about \$240,000 over the appropriations of 1911. For the State University an increase of about \$300,000 as compared with appropriations of two years ago. For the State Normal schools an increase of \$53,000 as compared with two years ago.

The appropriations for the charitable institutions of the state were decreased something over \$52,000 as compared with the appropriations of two years ago. The appropriations for the State Soldiers' Home and the Mother Bickerdyke Home for soldiers' widows were decreased \$47,211.61 as compared with appropriations of two years ago.

The various boards that have heretofore had control of the state educational institutions, the Agricultural College, University and State Normal schools were replaced by a single board which will have control of all of the institutions but the cost of this single board will be about \$30,000 greater for two years than the cost of all the boards displaced.

The legislature did away with a number of deputy oil inspectors, who received fees ranging from a few dollars a month up to \$50 per month and substituted in their place six salaried officers who will receive \$1,000 per year and expenses. This change should effect a very considerable saving to the state in that department. In the way of high salaried places this legislature has created more than any legislature that has met in many years, in fact I think it holds the record in that respect.

The legislature cut off one great source of revenue, the inheritance tax which last year yielded nearly \$300,000 but has substituted what it is hoped will bring in enough new revenue to offset this loss. The new revenue producers are the tax on corporations which it is hoped will yield a revenue of \$250,000 per annum; the tax on sand taken from the Kaw and Arkansas rivers and the tax on moving picture films of \$2 per film.

It is estimated that 400 new films per week are sent to the state. If this average keeps up the revenue to the state from this source will be in the neighborhood of \$40,000 per annum net.

Even if the revenues from the three sources mentioned meet the expectations of those who introduced the bills it is hard to see how the state treasury can avoid a deficit of at least half a million dollars in the next two years, which will have to be met by an additional tax levy two years from now.

One of the combinations of departments made by the recent legislature was that of the labor department, the department of mining industries and the free employment bureau.

This combination was made and the appointments were placed in the hands of the governor instead of leaving the selection of the heads of the department of labor and the department of mining industries in the hands of delegates selected by the various labor organizations of the state.

The total appropriation made by the legislature of 1911 to the three separate departments for the biennial period was \$51,840. The appropriation made for the combined department by the recent legislature is \$64,890, an increase of \$13,050. Whether it is better that the department should be made political rather than leave it in the hands of the labor organizations is open to argument. If, however, these departments should be made political, why should not the Historical society, the department of agriculture and the department of horticulture also be made political?

It has been the belief of the majority of the people of Kansas that these departments are more efficient so long as they are divorced from politics. The head of the department of agriculture is selected by the members of the agricultural society, selected without any reference to their political affiliations. The same thing is true with regard to the Historical society and Horticultural society. As a result these departments have never been used as a part of the political patronage of any administration.

The same thing has heretofore been true of the department of labor, but under the present arrangement this department will become the football of politics simply a part of the patronage belonging to the governor of the state.

### Constitutional Amendments.

The legislature ratified the proposed amendment to the constitution of the United States providing for the election of United States senators by direct vote of the people. This will be approved by a very large majority of the people of Kansas without regard to party. It proposed two amendments to the state constitution, one providing for the recall of officers and the other providing for a classification of property for taxation purposes and also for an income tax. Both amendments I think should be adopted.

### Election of Judges.

The legislature provided for the nonpartisan election of judges both for the supreme bench and district bench. The candidates for these judicial positions will not have to submit their candidacies to party primaries. All they will have to do will be to secure a petition signed by at least one-fourth of 1 per cent of the vote cast in the state at the previous election for secretary of state in the whole state or in the judicial district, depending on whether he is a candidate for the supreme bench or the district bench. The names of the various candidates shall be printed on a separate ballot and not under the party ballots.

The purpose of this law is good. Judges should be nonpartisan. Whether it will be possible to keep the judiciary entirely out of partisan politics or not is a question yet to be determined. The commission form of government is supposed to eliminate politics but we know from experience that it does not. Maybe the new law will take the courts out of politics in fact, as well as in name, but it is not certain that it will.

### Relating to Convicts.

Senate bill No. 712, provides for the working of convicts on the public roads and streets and alleys. Under the operation of this law the county commissioners may hire the convicts to work on the roads, paying at the rate of \$1 per day and the extra cost of guarding said prisoners and also shall furnish all the tools necessary with which to work.

This may be a good law, but I doubt it. To begin with, it is certainly doubtful whether or not the counties can save any money by hiring convict labor at \$1.00 per day and extra cost of guards



and in the second case it is very doubtful whether the moral effect of having gangs of convicts scattered about on the public highways will be good. The bill also provides that these convicts shall not be employed in any work requiring skilled labor. The object of this was undoubtedly to placate labor unions by preventing the competition of convict labor, but if skilled labor should be protected against such competition, why should not unskilled free labor be protected as well?

#### Fee and Salary Bill.

The legislature passed a fee and salary bill that I think is a good thing. Under the old system glaring inequalities existed in the matter of pay received by county officers. Under the fee system sheriffs, probate judges and county attorneys in certain counties received emoluments that amounted to more than double the highest salaries paid any of the state officers, including the governor.

The fees under the new law will be collected and paid into the county treasury and the officials will receive stated salaries varying according to the population of the county. If you are interested in knowing how this affects salaries in your county, call on the county clerk and ask him how much each county official will receive as compared with what he received under the old law. You will find no doubt that in some cases the pay has not changed materially. In the case of some officers it may even have been raised, but the general tendency of the law is to decrease salaries.

The most commendable thing about the new law however, is the fact that it stops the inequalities that used to exist under the fee pay system.

#### Tax on Automobiles.

It is estimated that there are in the state of Kansas 30,000 automobiles and about 5,000 motorcycles. Senate bill 239 provides for an annual tax of \$5 on automobiles and a tax of \$2 per annum on each motorcycle, the same to be paid July 1. Of this 75 cents for each automobile and 50 cents for each motorcycle is paid into the state treasury to pay the cost of furnishing tags and mailing the same to the owners of the machines. The rest of the money collected is to be used in improving the country roads.

None of the money so collected is to be used in the improvement of the city streets. It shall only be used in the maintenance of the roads in the county in which the automobile license is paid. For example, there are possibly 1,200 automobiles and 300 or 400 motorcycles in Shawnee county. Three-fourths of them at least are owned by residents of the city of Topeka, but all the funds collected will be used in grading and dragging the country roads of Shawnee county, none of it being used in improving the streets of Topeka.

All city license tags for automobiles will be discontinued and after July 1 all automobiles in the state will have to carry state tags. This law will furnish in the neighborhood of \$120,000 per annum to be used in grading and dragging the country roads. The state tags must be made with numerals at least 4 inches long, so that they may be easily read. The total weight of all the tags to be furnished by the state will be not less than 16 tons. These tags will be mailed to the various owners of automobiles and motorcycles by parcel post and the amount of postage that will be collected by the government will be in the neighborhood of \$1,600.

There will be this advantage over the present condition. All tags will be recorded in the office of the secretary of state. In case of an accident, or if any person is injured by an automobile or motorcycle, the person injured can get the number of the machine and ascertain just where the residence of the owner is. At present this is frequently impossible. The party injured may see a number on the machine, but he does not know whether the owner of it lives in Topeka, Wichita or any other town in the state, for at present all of them have their own numbers.

It is estimated that at least three-fourths of this tax will be paid by residents of the cities and towns, the remainder by residents of the country who own automobiles and motorcycles.

#### Open the Schoolhouses.

House bill 246 which authorizes the school boards to open the public school houses for religious, political, literary, scientific, mechanical and agricultural meetings will do no harm. The school houses ought to be made the social centers of the communities in which they are located. What is of more importance, they ought to be put in shape to be pleasant places to meet in, which cannot be said of all of them at present.

#### Prevent Breeding of Criminals.

House bill 617, which is intended to prevent, as far as possible, the procreation of habitual criminals, idiots, epileptics, imbeciles and insane, seems to be good in theory, while it may be badly abused in practice. I am not certain that it is a good law, but am inclined to favor it.

#### Wages for Convicts.

The best that can be said for senate bill 362 is that it is some improvement over the present law, which allows 3 cents a day wages to convicts in the penitentiary. This law provides that convicts may receive wages of from 10 to 25 cents per day to be sent to the convict's family if he has one, or in case he has no family the wages shall be saved for him until the close of his term, when, after deducting enough to pay for a citizen's suit of clothes, the remainder shall be given to him to assist him in getting another start in life.

The wage provided is in my opinion insufficient, but it is an improvement over the old law. As a matter of fact, the family of the convict should have all he can earn in the prison after paying the actual cost of boarding, lodging and feeding him. The state has no moral right to make money out of the labor of the convict.

#### The Garnishment Law.

House bill 956 provides for the garnishment of a laborer's wages to the extent of 10 per cent of the same for three months prior to the garnishment, together with court costs to the amount of \$4, upon the affidavit of the creditor, provided that the debtor may make a showing that he has been sick for two weeks during this period as a reason why his wages should be exempt. It is also necessary that he show that all of his wages except the 10 per cent garnished is necessary to the support of his family. No suit or previously rendered judgment is necessary. Not more than

one garnishment can be run per month against the debtor.

I have no hesitancy in saying that this legislation is contrary to the spirit of our institutions, contrary to the spirit of our constitution and more unfair and burdensome in its operation than any law ever before enacted for the collection of debts in the state of Kansas.

When our constitution was adopted the homestead exemption was made a part of the fundamental law of the state. It has been the boast of Kansas that the homestead of every family was safe from the claims of creditors and under the operation of that clause in the constitution, it is quite possible for a man to have property worth many thousands of dollars which no creditor can touch.

In addition to that, the head of a family may own a Steinway grand piano and other musical instruments, wearing apparel that would put the vestments of Solomon to shame; beds and bedding of the most expensive variety; cook stove and nickel plated heaters, and other household furniture not exceeding in value \$500; two cows, a team of horses or mules, that may be worth \$500 or more; 10 hogs and a yoke of oxen; 20 sheep; all the feed necessary to feed this stock for one year; a wagon, cart or dray; two plows, a drag and other farming utensils, including harness and tackle for teams not exceeding \$300 in value; all the meat, vegetables and groceries necessary to support the family for a year; all the coal or other fuel necessary to keep the furnace and stoves going for a year; all the tools and implements of the mechanic, miner or other person used and kept for the purpose of carrying on his trade or business and in addition thereto stock in trade not exceeding \$400 in value.

All these he may have and snap his fingers at the grocer, the tailor, the baker and dry goods merchant who wait for their bills but wait in vain unless the comfortably fixed debtor may choose to pay.

There are in the state of Kansas, however, tens of thousands of laboring men who are not fortunate enough to own homesteads, either in the country or in the town. They have no tools or stock in trade except the labor of their hands.

Heretofore the law did this much for them. It exempted absolutely from garnishment their wages for three months. That much could not be touched. It remained for the legislature of 1913 to do away with this small exemption for the head of a family who is compelled to depend on his wages from day to day or month to month to support his family.

Here, then is presented the anomalous condition in the progressive state of Kansas of granting liberal exemptions to every man of property who is the head of family and denying exemptions only to the unfortunate citizen who has no property but his labor.

As the bill originally passed the legislature it provided that the creditor might seize 25 per cent of the debtor's wages, together with costs to the amount of \$4. The governor vetoed that bill, but indicated that he would sign a bill that only provided for the garnishment of 10 per cent of the laborer's wages, together with costs to the extent of \$4.

This reminds me of the merciful man who desired to amputate his dog's tail, but could not bear the thought of cutting it all off at once, and therefore decided to cut it off an inch at a time. Under the operation of the law passed, if a working man owes a debt of \$24 and his wages are \$40 per month, a garnishment can be run, taking \$4 of his month's wages to apply on the debt, while \$4 more are deducted to pay the costs. The next month another garnishment is run and \$3 more are deducted, \$4 to apply on the debt and \$4 on the costs. By the time he has paid his entire debt the costs have amounted to as much as the debt.

It would have been better for him to have made it two garnishments, for in that case the costs would have only amounted to \$3 instead of \$20 under the law as it is now.

It is true that there is room for argument on the question of whether a man should be allowed any exemptions against his honest debts. For 50 years, however, Kansas has adhered to the policy of exempting a man's homestead and a large amount of personal property from the payment of his debts, however just they may be. To make an exception to that rule against the man who is least able to pay his debts, the man whose only income is derived from his labor at day, weekly or monthly wages, is a rank discrimination and injustice, which ought to be condemned by every right thinking man.

**DEFENDS** A subscriber at Glasco, Kan., who, for **MORGAN**, some reason, desires that his name be not published, comes to the defense of J. P. Morgan as follows:

Editor Mail and Breeze—In reading your criticism of the Morgan circular the thought occurred to me that you were fast acquiring the Socialist habit of placing your opponent in a false position. A person who had not read Mr. Morgan's letter would naturally think from reading your criticism, that he had assumed the right and privilege of advising the Pujo committee in a discourteous and insulting manner, when as a matter of fact he was supplementing his personal testimony before the Pujo committee at their invitation.

I have no desire to defend Morgan and hardly know that he needs any defense, but if he does I am quite sure he would choose others to defend him rather than myself. You seem to find a frightful inconsistency between what is said on pages 3 and 9 of the Morgan circular, when it would seem clear to me that the paragraph you refer to on page 9 only strengthens and makes more clear the paragraph on page 3. That is, notwithstanding the fact of the almost phenomenal growth of banks and banking capital in the past 20 years in the middle and western part of the country, far outstripping New York and the East, both in the growth of bank capital and bank resources, thereby necessarily creating and maintaining larger and growing bank reserves, and this reserve is still mostly held in New York, when under right conditions they should be held in the commercial centers where they are owned.

I cannot find where Morgan said that our financial policy was a "mess" and it would be wholly untrue if he did say it. Currency reform has been under serious and scientific consideration of trained minds in the United States congress for the past 10 years. It is very doubtful if any other one subject has received as much attention as this and if any one is desirous of knowing what Mr. Morgan's or any one else's views are on this question and of getting correct information, he should study the history of these measures and not condemn some one for everything he says and then tauntingly

ask, "Why don't you show us a way out?" when he has no authority in the matter.

The country is not looking to Mr. Morgan for laws but to the people's representatives in congress where the whole power of the government rests under constitutional restraint; a fact that you and your Socialist friends seem to forget. You are certainly a self-confessed Socialist, for when a man says he doesn't know whether he is a Socialist or not, but advocates most of their doctrine, he is getting pretty well inoculated with Socialism and flatism. When a man becomes thoroughly instilled with the doctrine that a thing of no value can be made the equal of the most valuable things, I for one cannot see much hope for him.

You think the people are becoming burdened with debt to such an extent that they can never pay, while I think people in general are more able to meet their obligations than ever before. Be that as it may, what is this recent indebtedness that is of such a vicious nature that it should be repudiated? We will start with 1 million automobiles, 1 billion dollars. Auto tractions, 100 million dollars. Ten years up-keep on autos, 100 million dollars. United States telephone systems, 500 million dollars. Panama canal, 300 million dollars. Municipal bonds for electric lights and water works in small towns, 100 million dollars. Total, \$2,100,000,000. The last mentioned items are my own figures, which I got by taking Cloud county for a basis. Jamestown, Glasco and Miltonvale combined have voted \$80,000 bonds in four years for electric lights and waterworks, while Concordia and Clyde voted almost as much some 10 years ago.

You may object that all of this is not indebtedness, that many people pay for their autos, but the point I wish to make plain is that this is a direct charge the people have added to their living expenses in the past 10 years, for these things practically produce nothing but comfort and convenience.

No, repudiation is not the remedy. There are some things of a primary and fundamental nature. No matter how far the world may stray from them, or how hard it may strive to evade them, no people can be a great people who forget the power and virtue of frugal home life and economy; the power of self restraint; the power to deny themselves a little today that they may have plenty tomorrow.

A considerable part of the foregoing letter seems to me to be rather irrelevant and the writer also has apparently thought he had discovered statements in the editorial that I had no thought of putting in.

Of course, Mr. Morgan did not say that our financial system is a "mess," nor did I quote him as making any such statement. Neither did I try to create the impression that he had addressed the Pujo committee in a "discourteous and insulting manner." However, the letter of Mr. Morgan amounts to a confession that our present financial system has proved woefully inadequate, which amounts to a confession that whoever is responsible for that system has made considerable of a "mess" of it.

It is also true that congress has the power to revise our currency laws, but it is just as true that the powerful financial interests of which Mr. Morgan has been conceded to be the head, have dominated financial legislation, just as powerful manufacturing interests have dominated tariff legislation.

There is no sort of question that people are living more extravagantly than they ever did before, but the fact that the debts, public and private, are growing faster than the wealth of the country refutes the statement that the people generally are better able to pay their debts than they ever were before.

The writer says, "When a man becomes thoroughly instilled with the doctrine that a thing of no value can be made the equal of the most valuable things, I for one cannot see much hope for him." Personally I have always argued that only the Creator can make something out of nothing, but the financial organization, of which Mr. Morgan has long been the head, has rather jarred my theory. It has, in a vast number of cases, issued stocks that were based on nothing and sold them to the public for actual cash. The great steel corporation, for example, was stocked and bonded for fully three times the actual value of the property it owned. A billion of water was turned into cash.

Speaking of fiatists, the greatest fiatists this or any other country have ever known have been Mr. Morgan and the able gentlemen associated with him. They have been able to exchange pieces of paper that represented fiat pure and simple, for gold and other currency. These wise gentlemen have controlled the currency legislation of the past. They hope to control it in the future and if their currency plan succeeds it will establish the most complete money oligarchy ever known in the history of the world. It will dominate the banks, regulate the volume of the currency, fix interest rates and have at its disposal the cash collected into the treasury of the United States. The government will practically abandon its constitutional privilege of coining or issuing money and regulating the value thereof and become merely a collecting agency for this financial oligarchy.

#### DOES NOT BELIEVE IN PENSIONING POSTMASTERS.

Editor Mail and Breeze—I understand that the last congress came near granting pensions to postmasters who had been in office 25 years. Their theory must be that a man who has cheek enough to sponge off of the government for 25 years should be entitled to some kind of a reward for his nerve.

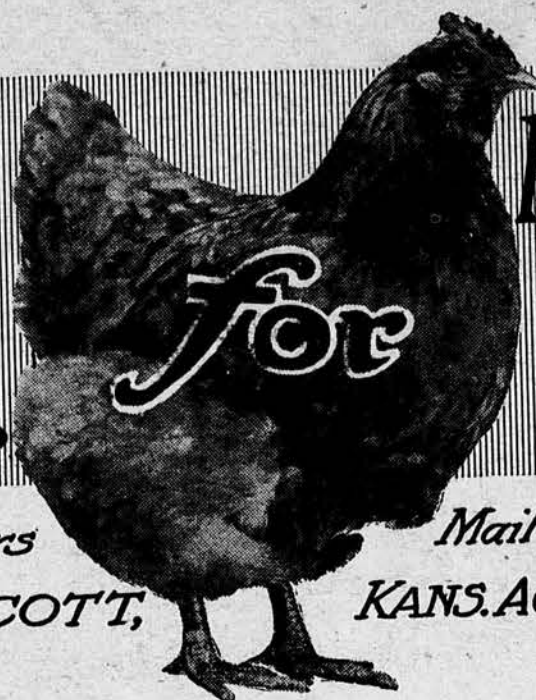
Old age pensions are bad enough for Europe and should never have been thought of in this land of beef and white bread. The beneficiaries of pensions say it is not charity, but premium for service. Well, that makes it all the worse. If given for a needed charity it would have that excuse. If it is wrong for railroads to give passes, it is wrong for states and governments to give pensions. Kings and parliaments have for centuries taxed Joseph and Mary and Lazarus to pension Methuselah. It doesn't look right to me.

Atol, Kan.

EDWARD LIND.



# BETTER BETTER



# MARKETS EGGS

*Written for Farmers*  
**By W. A. LIPPINCOTT,**

*Mail and Breeze*  
**KANS. AGRICULTURAL COLLEGE.**

**I** LOOK forward to the time in the rather near future when the farmers of Kansas will, with common consent, put the stamp of disapproval upon the case-count system of buying eggs, that favors the shiftless and careless person at the expense of the careful and painstaking. I recommend that wherever there are two dealers, one buying eggs by the case-count system, and the other on a grade basis, that you patronize the man who buys the eggs according to their quality.

I am firmly convinced that every man should be compelled to pass an examination held by the state, as in the case of the man who desires to buy cream, and secure a permit which will show that he understands candling and grading eggs. Where it is shown the buyer is dishonest his permit should be taken away from him.

Among the means of producing a first-class market egg none is more important or so far reaching as the production of the infertile egg. A very large percentage of the loss which occurs by the deterioration and spoiling of eggs during the hot months, comes from the appearance of the blood ring. Now these blood rings mean just one thing, and that is that the egg has been partially incubated and the embryo has died. It is quite easy to see this ring in a white-shelled egg, and often quite difficult to discover it in a brown-shelled egg. The germ of an egg begins to develop at any temperature above 70 degrees. The development is more rapid as the temperature becomes higher. This means any eggs that are fertile and are not kept all the time in a temperature below 70 degrees will sooner or later show the blood ring. It is difficult for the germ to develop in a temperature below 85, and after struggling along for a time, it gives up and the blood ring results.

Now if the male birds were kept away from the laying flocks there would be no blood rings. It has been found by experiments carried on in the state of Kansas by investigators from the bureau of animal industry at Washington, that 42 per cent or nearly half of the total loss in market eggs during the hot months was eliminated when nothing else was done except to remove the male birds from the flock. Eggs of this kind, naturally clean, collected about twice a day, put in a cave cellar that had a temperature of about 60 degrees, marketed twice a week, and protected from the sun on the way to town, tested out by an expert candler as 97 per cent first-class eggs. This means that by removing the male bird from the laying flock and taking these pains it is possible to practically control deterioration. A small percentage of eggs, probably represented by the 3 per cent that were second-class, are second-class eggs when they are laid.

In my judgment, the best practice is to purchase strong, vigorous, purebred cockerels of the breed you prefer each year and mate them with the breeding flocks of hens about the middle of February. When the breeding season is over, dispose of them. Get them off the farm. Unless an artificial and inflated purchase price has been given, you will have got your money back in the flock of strong young chicks that are coming on. The best breeding year for a male bird is the first year. When the first season is over, turn him off on the market for what he will bring. There is no object in keeping him around to spoil the market value of the eggs by fertilizing them on the one hand, and eating up feed on the other, and a new bird of different stock will be wanted for the following year.

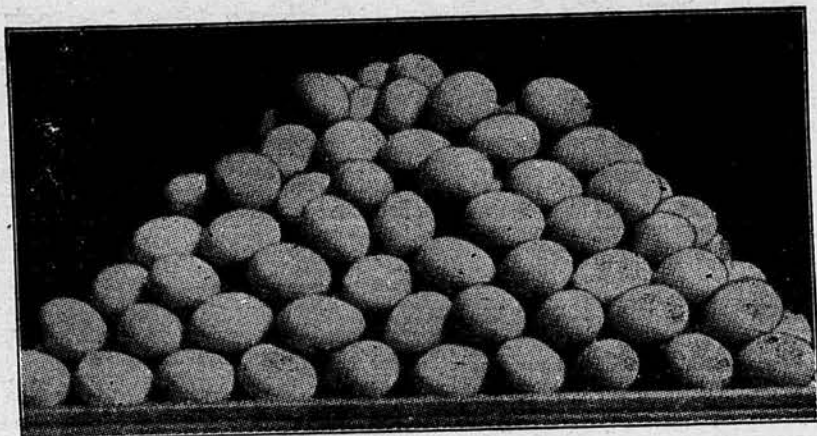
I hope and expect to see within the next five years a law on the statute books of Kansas that will make it a misdemeanor for anyone to allow a male bird of any description to run at large in the open country or in the town. When this law is proposed, it will be dubbed "the rooster law" and provoke some laughter, but it will be passed. And

when it is, it will save the farmers of Kansas, at a conservative estimate, a million dollars in cash.

In an earlier article I mentioned that Kansas eggs were small. On the eastern markets Kansas eggs, as a whole, do not rank in size with the eggs of Michigan, Ohio, or New York. Kansas is naturally at somewhat of a disadvantage in being farther away from the markets. Her eggs will be found going by the carload to New York and Boston, Chicago, and down into New Mexico, and old Mexico; west of Denver to Salt Lake City, and to many of the Pacific coast points.

Not only is the fact that Kansas eggs are small recognized by those dealing in eggs, but it is common to hear in different parts of the state the assertion on the part of farmers that "it sort of seems as though the stock was running out, that it doesn't seem to be as good as it used to be", or something like that.

In my judgment, one common cause throughout the state is at the bottom of this question of small eggs and small stock. It is the widespread practice of breeding from pullets. The pullet begins to lay when she is 6 to 9 months old. This of course varies with the individual and breed. It is a matter of common knowledge that she has not attained her



While Kansas produces some eggs of a large and uniform size like these, Kansas eggs do not rank in size with the eggs of Michigan, Ohio, or New York. In the opinion of Prof. Lippincott the cause of this is due to the widespread practice of breeding from pullets. A pullet lays a small egg that hatches a small chick. The result is a smaller race.

full size. A pullet lays a small egg that hatches a small chick, which fails to reach the size attained by another pullet hatched from a hen egg. In the course of time the chick comes into laying, and produces an egg that is slightly smaller than the one from which she was hatched, which in turn produces a chick that is slightly smaller than she was at birth, and so on, thus gradually subtracting from the size of the race. This means small stock, and small eggs. It was also found that on top of this, on an average, the percentage of hen eggs that hatched, as compared with pullet eggs, was 10 per cent greater, and that while the chicks hatched from hen eggs showed a mortality of 5 per cent, the chicks hatched from pullet eggs showed a mortality of 14½ per cent, or nearly three times greater.

In breeding from pullets one does not give the great law of "the survival of the fittest" a chance to help him in the selection of breeding stock. Along in the latter part of July and during August when the days are long and hot, and the nights sultry, it is the general experience that quite a number of females succumb. If you will notice, you will generally find that these are the yearling hens that have not as yet completed their first laying year. They go, one at a time, and no particular attention is paid to the matter, and yet, to that person who pretends to breed poultry rather than to simply tolerate it on the farm, and at the same time use

pullets in the breeding pens, it should be a very serious consideration. During the months that make up the breeding season, nearly every female is laying, whether she is weak or strong. There will be about as many eggs from the poor ones as the good ones. The result is that nearly as large a number of chicks have been developed from these weak individuals that have not had the vitality and gumption to live through the hot months, as have been produced from the stronger stock. The final result is that this weakness is perpetuated in the flock, and along with this will probably go low yearly egg production and susceptibility to disease.

I have two more suggestions to make concerning the management of the Kansas hen that it seems to me will be of advantage to the man who has a poultry yard as one department of his general farm. The first suggestion goes hand in hand with the suggestion already made, and it is, that the breeding flock be kept separate and distinct from the laying flock.

It is, of course, a well known fact that the winter eggs are the ones that bring the farmer the greatest profit, and furthermore, that most of the winter eggs are produced by early pullets. Coupled with this is the fact that if one is to have a good sized group of early hatched pullets, he cannot depend upon hens for hatching the eggs. If the season is just right, there may be a large number of hens that become broody early in the season, but the chances are against it. Therefore, every well organized farmer who keeps poultry for profit must of necessity have at least one incubator, and hatch a good bunch of pullets in March and the first two weeks in April. These birds will constitute the laying flock, and should never be mated with male birds. When the season of high priced eggs is over, they can be turned on the market at a good price.

The birds that are to be kept for breeding purposes should be incubated by the natural method. It does not matter particularly if these birds are rather late in hatching, for it is not the object to secure from them a large winter egg production. These birds, which will not form a large group, should be kept until their second laying year, and put in the breeding pens.

The group of breeding pens should not be changed every year. As long as a hen maintains her vigor and good health, and produces strong chicks, keep her as a breeding bird. Except during the breeding season, this breeding flock of hens should range the farm. During the breeding season, they should be confined with the purebred cockerels. We confine them because it is necessary to confine the male birds to keep them from mixing with the laying flock, or with the neighbor's chickens.

The second suggestion is, that as the young cockerels mature, one of two things should be done with them. They should be sold as broilers when they weigh 1½ to 2 pounds or else they should be caponized. This is, of course, necessary if we are to produce infertile eggs.

## FEWER CHICKS DIE IN THE SHELL.

Mr. Editor—If those who are troubled with dead chicks in the shell will remove as many eggs as possible from the machine and put them under hens the last week, I believe they will be pleased with the results. I remove one or two setting of 13 eggs each a day, being sure to keep up the heat in the machine. The eggs left in the tray are divided and a bulky woolen cloth or small sofa pillow put between them to keep them from rolling. This cloth or pillow should be warmed before putting it in. I think more depends on getting the chicks out of the machine and into the outer air without being chilled

overheated, than on the feed.

Mrs. R. F. Morton.

R. 2, Toronto, Kan.



# Studebaker



**"Yes, the roads are bad  
but we'll get through all  
right, we both drive *Studebaker* wagons."**

"And it's safe to say that *any* wagon built by Studebaker will always get through a day's work, never mind what conditions may be.

"After a reputation earned by half a century of honest wagon building, Studebaker wouldn't dare sell us a wagon that wasn't right, and that wouldn't stand up to its work.

"Studebaker isn't like some of the new concerns that get together a few dollars and decide to go into the wagon business. Studebaker has been building wagons for years and years, and building a reputation at the same time.

"And that good name and reputation is the biggest asset Studebaker has. It is worth the price of thousands of wagons, and they are not going to jeopardize the confidence we have in them by letting one poorly built wagon leave the factory.

"That's the reason Studebaker doesn't try to put out a cheap wagon. The few dollars saved wouldn't commence to pay them for the loss of a man's confidence, and it is also the reason that they don't try to meet cheap competition. 'Let some other fellow build the

cheap wagons' they say, Studebaker wagons are built to last.

"Have you ever noticed the number of wagon factories that spring up all over the country, do business for a year or so and then die out—nobody knows where they go.

"But Studebaker built wagons for our grandfathers and they'll be building wagons for our grandchildren. It's an old, old house and a good one to tie up to.

"And Studebaker not only builds farm wagons, but they make mighty good harness to fit every vehicle they sell, and for any sized horse—and the harness is just as well made as the wagons. The Studebaker name is on it and the Studebaker name means a lot on a set of harness.

"Studebaker also builds business wagons, buggies, surreys, dump wagons, sprinklers and sweepers, and every year they put out thousands of automobiles. I am told they will manufacture, and sell, 50,000 automobiles this year.

"And just because I have confidence in anything that the Studebakers put out is the reason I drive a Studebaker wagon, and always will, and that's why I say, 'No matter how rough the roads may be we'll pull through.'"

*See our Dealer or write us*

**STUDEBAKER**

New York City  
Minneapolis, Minn.

Chicago, Ill.

Salt Lake City, Utah

Dallas, Tex.

Kansas City, Mo.

San Francisco, Cal.

**South Bend, Ind.**

Denver, Colo.  
Portland, Ore.



## Poultry Farm Discoveries

### Infertile Eggs May Be Due to Feed

BY REESE V. HICKS, Director of Experiments

**H**ATCHING experiments so far this spring have indicated that infertility of eggs, chicks dying in the shell, etc., are more largely due to the hens than the male birds. Where only a pen egg-record is kept, instead of an individual record, the male is often blamed for the trouble.



Reese V. Hicks.

When as a matter of fact one or two of the hens are very probably laying all the infertile eggs, and over-fatness or lack of sufficient exercise, is the cause.

This is one of several interesting facts that have already been demonstrated this spring on the 20-acre

#### Varieties That are Participating.

Fowls of the following varieties are participating in the demonstrations and tests being conducted on the experimental farm: Barred Plymouth Rocks, furnished by W. A. Irwin, Wilbur, Neb.; White Wyandottes by E. E. Bowers, Bradshaw, Neb.; Buff Orpingtons by G. H. Binger, Topeka; Rhode Island Reds by F. A. Rehkopf, Topeka; Minorcas by W. H. Catterall, Chickasha, Okla.; White Leghorns by Mertzheimer Poultry Farm, Pleasant Hill, Mo.; Black Langshans by Mrs. James Staples, Lamonte, Mo.

Seven of the pens are numbered from 1 to 7 and are known as the "Laying Contest." These are Buff Orpingtons, No. 1; Barred Rocks, No. 2; Minorcas, No. 3; Leghorns, No. 4; White Wyandottes, No. 5; Rhode Island Reds, No. 6; Black Langshans, No. 7.

#### How They are Being Fed.

These numbered pens are all fed the same rations, both grain and mash. Their grain feed is made up as follows:

Kafir .....	60 pounds (32 quarts)
Wheat .....	60 pounds (36 quarts)
Oats .....	30 pounds (30 quarts)

This grain mixture is fed in a deep scratching litter early in the morning and late in the afternoon at the rate of 1/2 pint per bird for each feed. Alfalfa

leaves are kept before them in feed racks. Beets, turnips and other vegetables are fed twice a week and they have milk twice a week in pans. The dry mash is made up in the following proportions:

Wheat bran .....	100 pounds (200 quarts)
Cornmeal .....	50 pounds (50 quarts)
Shorts .....	100 pounds (120 quarts)
Old process oilmeal .....	10 pounds (8 quarts)
Beef scrap .....	100 pounds (86 quarts)
Salt .....	1 pound (1/4 quart)

This mash to be kept before them in feed hoppers all the time. Where any pen does not seem inclined to eat grain, the feed hopper to be closed for a day. Grit, oyster shell and charcoal to be before the pen in feed hoppers all the time.

#### A Feed and Treatment Test.

Variations in feed and treatment are made in other pens of the same breed and variety as follows:

Pen A.—Orpingtons. This pen is fed similar to the other pens except cracked corn is substituted for Kafir in grain ration. It is intended to test out the value of Kafir against corn as a poultry feed.

Pen B.—Barred Rocks, fed the same as all other pens except no alfalfa is given them, but vegetables will be given to make up for the alfalfa in bulk.

Pen C.—Black Langshans, fed the same as the others, except sprouted oats is substituted for alfalfa.

Pen D.—White Wyandottes, will be confined in the house all the year through, having a space 5 by 14 feet only for the six birds. Fed the same as Pen 5, White Wyandottes.

Pen E.—White Leghorns, fed the same as other pens except that unlimited range will be given the birds in the field.

Pen F.—Rhode Island Reds, fed only whole corn and allowed range over the farm to pick up their living just as they can. They will have access to an alfalfa patch, but will be given no mash, vegetables, etc. This pen will have the same treatment as usually found on the farm.

Pen G.—White Minorcas, fed the same as other pens except no dry mash will be allowed them. Extra grain to the weight of dry mash given Pen 3, Minorcas, will be allowed this pen.

#### "Weak" Eggs From Heavy Layers.

Some of the heaviest layers show the very lowest fertility and eggs of weakest germ power. For instance, from February 15 to March 15, Buff Orpington hen, "Band 37," laid 21 eggs. Only four of these eggs showed fertility and they were the last eggs laid. After careful treatment only did she lay any fertile eggs. On March 5 in testing eggs, it was noticed that all the eggs from "Band 37" were coming out infertile. That very day the hen herself was picked up and examined. It did not require a very close examination to show she was too fat. It was noticed also that "Band 36" in the same pen was laying eggs, 60 per cent of which were infertile and many germs were dead by the 14th day. The same could be said of "Band 32," but there was not quite so strong a percentage of infertility as in the case of 36 and 37. These hens also showed too much fat to be in ideal breeding condition. One hen, "Band 40," in this pen died on March 3, and the attendant reported that she dropped dead after jumping off the roost, apparently in sound condition.

#### What Caused the Trouble.

A post-mortem examination showed that she was very fat. Since that date the hens have been made to take more exercise by deeper litter feeding, and fertility has rapidly improved.

What was the cause of the trouble with these hens known as "Pen A," becoming fat when hens of the same breed in "Pen 1" did not? The reason apparently was that the hens in "Pen A" were fed a grain mixture containing whole corn instead of Kafir. They could obtain the corn with less scratching and less exercise. After a month and a half of trap-nesting and hatching the eggs from these two pens, it seems safe to say that Kafir in the ration is better for producing fertile eggs than corn.

The infertile eggs laid by band 37, 36 and 32, were large and well shaped eggs, except those of 37 had a slight wavy effect in the shell near the small end. After the extra exercise this wavy shell disappeared, and the eggs were fertile. Possibly the extra fat condition of the hen, caused the defect in the shell formation.

#### History of Each Egg is Recorded.

All the hens are trap-nested. As soon as taken out each egg is marked on the larger end with the breed, pen and band number of the hen that laid the egg, and the date it is laid. Egg record cards with blanks for each day are kept on the wall near the trap nest. Every hen that lays has an "X" marked on the space for that day. When the eggs are put under a setting hen or in an incubator, a record is made on a ruled card showing the number of eggs, and the pen and band number of the hen.

When the infertile eggs are tested out on the 7th day, a ruled space on the back of the card is used for the pen number and band number of all eggs tested out. A similar record is kept on the 14th day, the second and last testing. On the 14th day all eggs that show chicks dead in the shell are so recorded with pen and band number. When the hatch is completed each chick as it is hatched is toe-marked to show its parentage, both maternal and paternal. All eggs that have chicks dead in the shell at the end of the hatch are entered on this "hatching record card," as it is called. All the live chicks are entered on this card, with the pen and band number of the egg that the chick came from.

#### Easy to Place the Blame.

A study of the "hatching record card," will indicate the hens that are laying fertile eggs and those that are producing eggs in which the germ is strong enough to start, but where the chick for some reason does not have enough energy to break the shell. Most important of all, it will point out the hens that produce the eggs from which good healthy chicks are hatched on the 21st day. Thus if any hen is producing all infertile eggs, or all weak germed eggs, it is possible to hunt up the hen by her band number and examine her case.

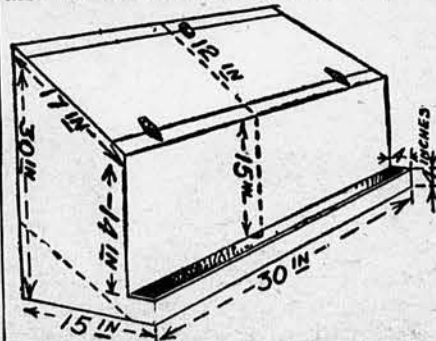
#### The Bird on the Cover

The handsome Plymouth Rock cock whose likeness decorates the cover of this week's Mail and Breeze, made his first public appearance at the State Fair, Topeka, in September, 1912. Before he was 7 months old and he had seven prizes to his credit, four firsts and three specials, including sweepstakes in the American class at Kansas State Fair, Hutchinson, and a special at the American Royal for shape and color. The picture does not quite do him justice as to form, for at the time it was taken he insisted on ruffling up the plumage of his back, thereby altering the line somewhat. His owners are Thompson and O'Gara of Topeka, Shawnee county, poultry breeders of skill and experience.

#### Hopper For Mash or Grit

[Prize Suggestion.]

Mr. Editor—I find this to be a very good feed hopper for dry mash. The dimensions given are those of my hopper, but it may be made in any size to suit the size of your flock. It may also be made into two or more compart-



#### May Be Divided Into Compartments.

ments by putting in partitions and so feed shells, dry mash, grit, etc., at the same time. Notice that it has a slanting top. By setting it against the wall the chickens cannot roost on it. It also has a slanting bottom which makes the contents work to the front.

Mrs. Leo H. Johnson.

Langsville, O.

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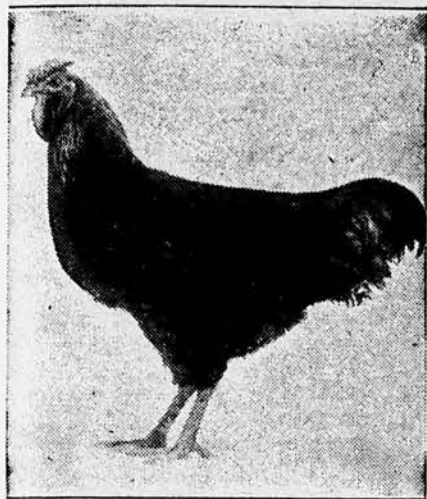
## Breeding the 200-Egg Hen

The Sire Must Have Laying Ancestry

BY A. G. REQUA, Caney, Kansas.

Written for Farmers Mail and Breeze.

I HAVE absolutely nothing to sell but have had so many inquiries from Mail and Breeze readers since my egg records were published that I will describe my methods of breeding for eggs. I began breeding R. C. Rhode Island Reds seven years ago by buying stock and eggs from the best breeders in



A R. I. Red Cockerel from the Requa pens, with an egg laying ancestry behind him.

the country, paying prices that ranged from \$5 per setting of eggs to \$5 for a single egg. We used trap nests for awhile to help in selecting the best layers, but it took four years to get the flock into the 200-egg class. I believe the male bird has as much to do with egg production as the female. The mother of the male must have an egg record and the mother of his sire must have had a laying history if you want him to produce good layers. I would rather have a male bird for egg production whose mother and sire's mother were 200-egg hens, than to have the best show bird in the state. Today we haven't a male bird whose mother or sire's mother has not laid at least 200 eggs in a year.

We do our hatching in incubators, to have the pullets in full laying by December 1 when we begin our yearly records. After two years of careful breeding with incubator and hen-hatched chicks we find no noticeable difference in the vitality of the birds. I do not believe in line breeding or inbreeding except when you want a good comb, eye, feathers, or other markings that go to make up a prize winner at the show. The long, continuous strain on the vitality of a hen that lays 200 eggs a year must be looked after in breeding and that is why we keep away from relationship as far as possible. I know this is contrary to many fancy poultrymen's theories, but I am simply giving our experience.

The picture shows one of our R. C. Red hens and illustrates the correct shape for egg production. She is long in the back for there lies the egg capacity, well over in front, heavy shanks, broad across back and wings, deep breast and long neck. I believe our egg records are due more to breeding than to feeding. From December 1, 1909, to December 1, 1910, 22 of our R. C. Red pullets averaged 206 eggs

each. From December 1, 1910, to December 1, 1911, 12 pullets averaged 200 eggs each. On December 1, 1911, we began to keep records on 100 pullets. Sixty of them were 9 months old and 40, 12 months. The average for this flock of pullets for the year following was 207 eggs per head. I hold affidavits covering all the foregoing records.

We feed wheat and cracked corn in a deep litter in the morning, sprouted oats and green bone at noon, and all the sprouted oats they will eat at night. Three parts bran and 1 part rolled oats are kept before them in troughs all the time, also clam shells, charcoal, and plenty of fresh water. One day each week sprouted oats are omitted and raw onions, potatoes or cabbage are fed that day, all they will eat. We think more of sprouted oats and green bone than any two feeds we have. Once a week we feed rice screenings in place of corn and wheat, and they have one feed of buttermilk or clabber each week. We do not feed wet mash.

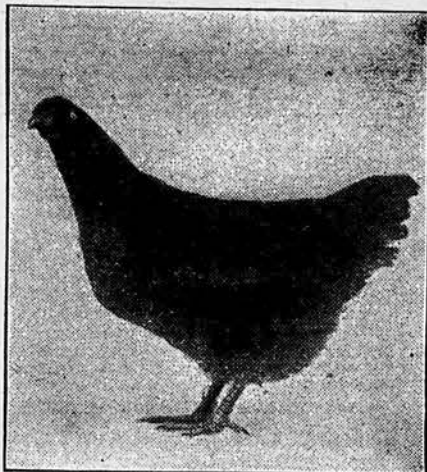
Our yards contain 10 birds each. They have roosting pens, scratching pens, and sunshine pens, all with open curtain fronts on the south.

Caney, Kan.

### Peanuts Not a Difficult Crop

I would like to know how peanuts are grown, when and how to plant them, how to tend them, and when to harvest them.—F. W., Chase, Kan.

Peanuts are an easy crop to grow. Buy some unroasted nuts for seed and take off the outer hulls. Plant on well worked, level ground about corn planting time. Space the hills about 3 feet



One of Mr. Requa's R. I. Red pullets showing the "egg type."

apart in the row and plant 3 or 4 kernels to the hill. Cover the seed about 2 inches deep and see that the surface does not crust before the plants come through. Keep the soil loose around the hills, especially after they begin blossoming. Each blossom sends down a root into the soil where the new nuts form. For this reason the earth should be loose and worked up well around the plants. The blossoms need not be covered with earth. Dig them about October.

### This Year's Poultry Supplement

The Mail and Breeze's Supplementary Poultry Number comes to you this week at the height of the poultry season. The promise was it would pay much attention to the helpful and profitable methods of management which have been worked out by the best poultry raisers of Kansas and elsewhere. In fulfilling this promise it has had the able assistance of more than a score of experts and specialists, including the Mail and Breeze's well informed contributors on poultry subjects. Many important contributions for this number reached us too late for publication, for the reason that reading matter for the Mail and Breeze must be in the printer's hands 10 days before the publication date. A number of writers don't know this, or overlook it. These contributions will appear in later issues. However, it is believed our poultry raisers will find much to interest and help them in this year's Poultry Supplement, almost if not quite as good as the February Poultry Annual.

## "Don't The Days Seem Long Working In The Fields?"

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## Coddling Kills Turkeys

### A Little Turkey Talk From Those Who Know

By Readers of the Mail and Breeze

[Prize Letter.]  
FENCE about a fourth of an acre with wire netting and for coops get two or three long dry goods boxes and lay on their sides facing south in the pen. Cover the fronts of the boxes with wire netting leaving one lower corner loose for a door. Tack oil cloth over the top and back leaving enough in front to drop over the wire netting at night. So much for the pens.

I set the eggs under gentle, motherly chicken hens. Watch while they are hatching and take the shells out of the nest to prevent smothering. After they are dry remove them to the pen, keeping them in the boxes for two days but do not crowd them. During these two days they may be fed a little curd cheese thoroughly cooked with some black pepper added. After this I use a variety of feeds, stale bread crumbs moistened and a little pepper added, hard boiled eggs chopped up fine with onion tops and the cheese curd. Once a day I feed corn chop that has been soaked for half a day. After 2 months old feed nothing but soaked corn chop but do not have it sloppy. Wash your pail after every feed, under no circumstances letting it get sour. Keep sand and ashes in their pen constantly and give plenty of water but no milk as that causes bowel trouble.

On nice warm days let them out in the pen but keep them in the boxes on rainy days and in the morning while the grass is wet. The secret of success in turkey

second day after hatching, giving them hardboiled eggs with shells mashed up fine. For a dozen turks I give two eggs in the morning and one at night. Don't feed them any more as overfeeding kills them. An onion cut up fine and mixed with the eggs is good. They always have water and grit handy. I feed the old turkey grain outside the pen.

The coop and pen are kept in the shade and frequently moved to new grass. As soon as the turks can fly over the 18-inch fence of their yard I let them out after the dew is off in the morning but bring them in at night to feed. I let them roost on trees and buildings as soon as they want to in order to make room in the pen and coop for more. I have been very successful with these methods. Mrs. Alice Sellars, Mahaska, Kan.

#### Overfeeding a Common Fault.

[Prize Letter.]

Mr. Editor—Turkeys should be hatched and raised at a season when their natural food is most plentiful. In May the ground is full of sprouting weed seed and a little later there will be an abundance of insects. If the young have free range with a turkey hen there is no need to feed them anything. If shut up they should have hard boiled eggs mashed fine, and oatmeal three times a day. A teaspoonful is a big feed for two turks. Don't think because young turkeys

where they could get all the insects they wanted through the day. I usually fed them morning and night on curd and corn meal mixed together. I brought them home in the evening for about two weeks and after that the hens would bring them in themselves. We kept them in coops at night until they were 6 or 8 weeks old and after that gave them perches about 6 feet above the ground to roost on. The week before Thanksgiving I sold 88 turkeys for 15 cents per pound and I think I was paid for my trouble in raising them.

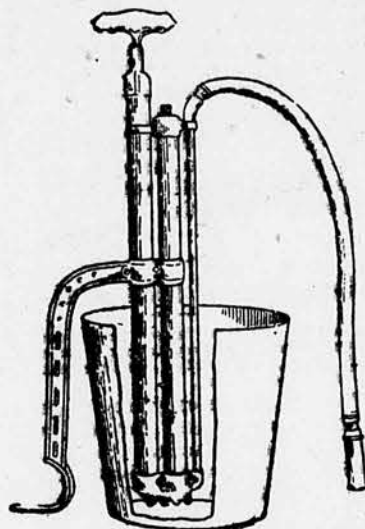
Mrs. W. F. Thompson.

R. 1, Norcatar, Kan.

#### Spraying "Gets" the Mites

[Prize Letter.]

Mr. Editor—Kerosene emulsion is one of the best mixtures to use in combating mites in the poultry house. It is made by mixing 2 gallons of kerosene oil, 1/2 pound of whale oil soap, 1 quart of home-made soft soap, and 1 gallon of water. Dissolve the soap by boiling in water, then remove from the fire and



A bucket spray pump such as is used in the garden is just the thing to spray the poultry house. Mr. Collyer uses kerosene emulsion for this work as described.

add the kerosene at once. Churn this mixture rapidly and violently until it is as smooth as beaten cream. One part of emulsion to several parts of water is used to dilute the mixture for spraying buildings, dropping boards or nest boxes. Add 1 or 2 ounces of carbolic acid to the emulsion just before applying.

John Collyer.

Oakland, Kan.

#### Bantams for Children's Pets

Few animal pets are as popular with the youngsters as bantam chickens. In fact, most of their elders cannot deny that it is interesting to watch a flock of noisy, active bantams as they rustle about the yard for their feed. Among the most popular of the bantams are



A Bantam Buff Cochon cockerel.

the Buff Cochons. They are simply the larger birds in miniature, having the feathers on the legs and all other Cochon markings. They have a place in the American Standard of Perfection where they are scored on the same points as their larger relatives, except in size. The cockerel shown in the picture is owned by G. H. Binger of Topeka.

There are scrub people as well as scrub poultry. Rarely do you find such folks keeping or believing in purebreds.



A reader's flock of Mammoth Bronze birds, a picture that will please the eye of every turkey raiser.

raising is "keep them dry." After 2 weeks old grease each turk as well as the mother hen with melted lard once a week but do not grease them on a hot day nor on a damp cloudy day. Select a bright day and do the work about 4 o'clock in the afternoon. When about 3 months old turn them out of the pen on nice days. I keep the tips of the wing feathers clipped to keep the wings from hanging down and looking droopy.

Mrs. Charles Hunter.

Mangum, Okla.

[Some successful turkey raisers declare that using chicken hens to rear poults will result in raising fewer turkeys. Possibly this is what Mrs. H. means when she lays particular stress on selecting gentle, motherly hens for this purpose.—Ed.]

#### Let Turkey Hens Raise Them.

[Prize Letter.]

Mr. Editor—As soon as the turkey hen has laid her eggs and begins to sit, I put her in a dry goods box about 3 feet each way. The front of the box is open except one board on the bottom, and is covered with wire netting. I put in plenty of hay and a few hen eggs at first. The turkey is put in the box in the evening and the box covered for a few days until she becomes quiet. Then I give her 9 or 10 turkey eggs and if there are any more eggs ready at the time these are given to chickens.

As soon as the eggs under chickens hatch the turks are taken away and put in a flannel lined box while the others are left with the turkey hen. When all are hatched I sprinkle the hen thoroughly with insect powder and put her and turks in a pen which has a coop at one end provided with a door that may be closed at night and in stormy weather. I feed the brood the

are noisy and calling all the time that they are starving. It is their ambition to be heard. To one turkey that has starved to death there are 1,000 that have been killed by overgorging on food and water. If you have ducks or geese don't try turkeys.

Cedar, Kan.

Edward Lind.

#### Try to Imitate Nature.

Mr. Editor—The most difficult task about turkey raising is the care of the young ones. Turkeys are of a semi-wild nature and therefore must have different treatment from chickens. We are apt to give the young broods too much care. They did not have this in their wild state and cannot stand handling and petting, or many of the feeds that are mixed up for them. In nature they have grains, bugs, etc. Their first meals should therefore be very fine oat meal, fine chopped wheat or corn, with a very little meat scrap and some fine grit. After three weeks they may be fed the same grain but it need not be so fine and still later they may have it fed whole.

The hen and brood should have shelter with a dry clean floor. Boards will do but earth is better. They must be protected from the hot sun. It is best to let them run out through the day but at night and on damp and cold days they should be kept indoors.

Oneida, Kan.

Mrs. Roy Gettle.

#### A Year With White Hollands.

Mr. Editor—I had six White Holland hens and one tom to start with last year. I let the turkey hens take care of the young turks. We drove them out to the alfalfa patch every morning

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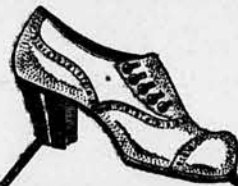
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## Feed For the New Brood

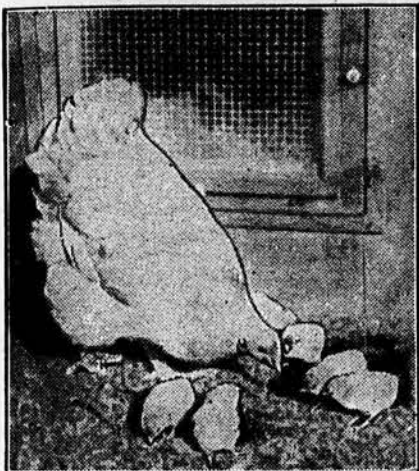
BY T. E. QUISENBERRY,  
Director Missouri Poultry Experiment  
Station.

[Written for Farmers Mail and Breeze.]

THE first two or three weeks of a chicken's life is perhaps the most critical time in its history. If you can get the chicks safely over this period, your problem is nearly solved. You cannot afford to let anything stand in the way of providing the best feed obtainable for at least the first three weeks after hatching. Every farmer and poultry raiser has a little different method of feeding. If you are getting good results, I should not advise you to change. While the method mentioned here is perhaps not the best, it has proven to be simple and safe in most cases.

### The First Feeding.

Provide a hover for the hen and chickens, or a comfortable brooder for the incubator hatched chicks. Cover



An old fashioned hen and her chicks.

the floor with clover chaff or fine cut straw or other litter free from mold or mustiness. Sprinkle a little fine grit over the floor and furnish a fountain of pure water. Place the chicks in the brooder but do not feed them for about 48 to 72 hours after they are hatched. The first food we give them is a little commercial chick feed of good grade which is sprinkled in a clean place on the floor. This is fed at morning, noon and night.

As soon as they have learned to eat, we sprinkle this feed in the litter and let them have the fun of scratching for it. Between meals, about 10 o'clock in the morning and about 2:30 in the afternoon, we sprinkle a little rolled oats, pinhead or steel cut oats on the floor. We provide all the sour milk or buttermilk we can get the chicks to drink from the first day until the stock is fully matured. We prefer this to feeding them beef scraps. We also cut up an onion occasionally and give to the youngsters. This furnishes them with green food and also seems to aid in keeping them healthy.

### When Chicks Are 10 Days Old.

After the chicks are about 10 days old, we begin to feed a dry mash mixture made as follows:

Shorts or middlings ..... 1 part  
Bran ..... 2 parts  
Corn meal ..... 1 part

We mix in a little bone meal and a little fine charcoal and also include 1/2 pound of fine salt with every 100 pounds of this dry mash. This is kept in a hopper where the chickens can eat it any time they become hungry. The same dry mash is used until the chickens have fully matured. If you cannot get sour milk or buttermilk, it will be necessary to add 1/2 part of dry beef scraps to the dry mash mixture.

After the chicks are from 2 to 3 weeks old, we gradually change their grain food from the commercial chick food to a mixture of 2 parts wheat and 1 part cracked corn or Kafir. After the chicks are a month old, their grain food is all fed from hoppers. Try this method of feeding if you wish, but don't give up your own if you are already succeeding with it.

Mountain Grove, Mo.

## Leghorns Still in the Lead

RECORDS IN THE EGG RACE.

The pen of 10 White Leghorn hens from England were still leading on March 1 in the national egg-laying race

In his laboratory work of a lifetime and selling his various scientific products Dr. Hess (M.D., D.V.S.) has always taken our farmers into his fullest confidence. He believes that the farmer should know exactly what he buys. It is his belief that the more people that know what Dr. Hess Stock Tonic is made of the better. Then there is no mystery, no exaggeration—all claims that Dr. Hess Stock Tonic will increase growth and milk and relieve stock ailments can be verified by referring to the medical writings or the U. S. Dispensary. The formula for

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Sulphate of Soda. Laxative and Liver Tonic.  
Common Salt. Appetizer, Cleanser.  
Epsom Salts. Laxative.  
Nitrate of Potash. Stimulates kidneys.  
Charcoal. Prevents Noxious Gases.  
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The above is carefully compounded by Dr. Hess (M.D., D.V.S.), with just enough cereal meal to make a perfect mixture.

is printed in the left-hand panel here with extracts from the U. S. Dispensary. Dr. Hess even goes further and makes this proposition: Our Proposition:—Feed Dr. Hess Stock Tonic to your horses, your cattle, your hogs and your sheep; especially when you are preparing for market. If you are not convinced beyond the shadow of a doubt that it has proven a paying investment by increasing digestion, improving the general condition and appearance, keeping your animals free from disease and free from worms, go to your dealer and he is under contract with us to refund your money.

Dr. Hess Stock Tonic in 25-lb. pails costs you \$1.60; 100-lb. sacks \$5.00. Only costs 6 cts. per month for the average hog.

Furthermore, for any condition which Dr. Hess Stock Tonic does not remedy, write us care of the Information Bureau and special prescription will be furnished you free of charge.

DR. HESS & CLARK  
Ashland, Ohio

## Dr. Hess Poultry Pan-a-ce-a

The ingredients of this poultry tonic are also printed on the package. Your druggist will tell you what beneficial effects poultry must derive from these ingredients. We guarantee it to make your hens lay more eggs, help chicks to robust maturity, shorten the moulting period and keep your flock hardy and well. Your money back if it doesn't. If your dealer cannot supply you, we will.

DR. HESS & CLARK  
Ashland, Ohio

## INSTANT LOUSE KILLER KILLS LICE

at Mountain Grove, Mo. Two pens of Silver Wyandottes are in second and third places but 115 eggs separate the leaders from their nearest competitors. During the month of February a pen of White Orpingtons led the field with 195 eggs, a pen of Black Langshans tying with the English Leghorns for second place with 180 eggs. The 10 lead-



Group S. C. White Leghorns.  
(From a kodak picture.)

ing pens of 10 birds from November 15, 1912, to March 1, 1913, follow:

Breed	State	Eggs Laid
S. C. White Leghorns, England.....		656
Silver Wyandottes, Illinois.....		541
Silver Wyandottes, Iowa.....		518
Black Langshans, Missouri.....		488
Barred Rocks, Illinois.....		477
White Wyandottes, Arkansas.....		474
Black Orpingtons, Canada.....		469

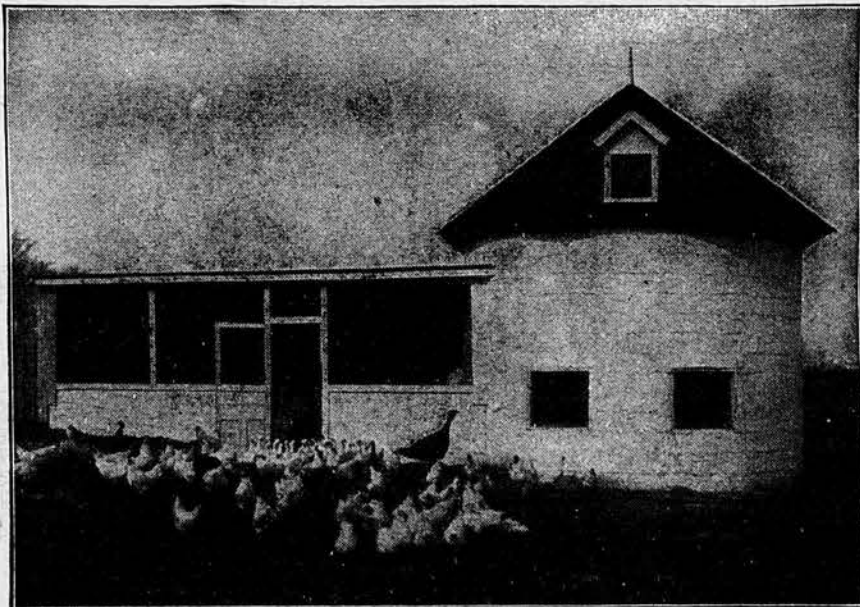
Buff Wyandottes, Vermont.....	443
White Wyandottes, New Jersey.....	438
Buff Orpingtons, Missouri.....	433

The following list shows the 10 best pen records from February 1 to March 1:

Breed	State	Eggs Laid
White Orpingtons, Kentucky.....		195
White Leghorns, England.....		180
Black Langshans, Missouri.....		180
Silver Wyandottes, Iowa.....		178
Black Langshans, Missouri.....		175
Silver Wyandottes, Missouri.....		165
Barred Rocks, Illinois.....		163
White Wyandottes, Arkansas.....		161
S. C. Reds, Missouri.....		161
Buff Wyandottes, Vermont.....		159

### Keeping Chickens in a Silo

The picture shows how a damaged silo became a poultry house, and a right good one, too. It is located on the farm of Frank Headley, near Springfield, Mo., who has had a varied experience in silo building. His first was one of the wooden stave type and burned down. His second was built of concrete blocks in the days when concrete silo building was an experiment. It was improperly reinforced and on filling it with silage, the walls burst open above. The remaining portion was made over into a henhouse with scratching shed attached, as the picture shows. Mr. Headley finds this house dry, warm, and easy to keep free from vermin. He has since built a solid wall concrete silo which he expects to be doing business at the old stand in the year 2013.



A damaged silo that became a poultry house. Mr. Headley finds it warm, dry and comparatively free from vermin.

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### 140 Chicks from 140 Eggs

This World's Championship Record is not uncommon with users of my Belle City Incubator. Many are doing this right along. The United States government is one of my 201,840 Belle City users. Make Sure of Success by using my proof-backed Belle City. Write me for all of the proofs or order direct from this ad. Jim Rohan, Pres. Belle City Incubator Co., Racine, Wis.

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**World's Champion 140-Egg Incubator**

Double cases all over; best copper tank; nursery, self-regulating. Best 140-chick hot-water brooder, \$4.85. Ordered together, \$11.50. Freight Paid (E. of Rockies). No machines at any price are better. Satisfaction guaranteed. Write for book today or send price now and save time. Jim Rohan, Pres. Belle City Incubator Co., Box 21, Racine, Wis.

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GEO. H. LEE COMPANY,  
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**The Poultry Leader Incubator**

Beats anything you ever saw. Will outlast any other. Catalogue and lowest prices free. Write to Emil Ochsner, Box 8, Sutton, Neb.

**SAVE your LITTLE CHICKS**

Razum is a sure White Diarrhoea Remedy—the best known. Big trial package for 25c in stamps and the names of ten incubator owners. Enough for 500 chicks \$1. Booklet FREE.

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**STOGSDILL'S GERMACIDE**

is an absolute cure and preventive of all bowel trouble with chicks. Write today how to obtain a 50c package FREE.

O. N. STOGSDILL, BLACKWELL, OKLA.

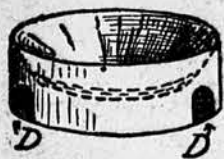


**Four Homemade Brooders**

CONTRIVED BY READERS.

**Editor's Note.**—As a general thing the regular manufactured article, which is a product of much thought and skill, will be found superior to the homemade device in many ways, and time and material considered, may not cost much if any more. Yet it is often possible to do quite well with our own makeshifts. The descriptions of these farm made brooders read well and doubtless the brooders themselves will be found to work as well for others as they have for their designers.

Mr. Editor—I have a brooder made out of a cheese box that is very satisfactory. Two 3-inch holes at the bottom allow the chicks to run in and out. A hover is made of a ring of heavy wire that fits just inside the box where it rests on three nails. Coarse cotton cloth is loosely fastened to this ring so as to make it bag down in the



middle and just rest on the chicks' backs. A quilt covers the floor, made of two circular pieces of cotton cloth between which is a layer of wool or cotton batting. This is tufted as one would tuft a quilt. This brooder is kept in a large box 2½ by 4 feet on the floor of which a litter of cut hay is kept. At night or in cold weather when the chicks are to be confined in the cheese box we stuff hay loosely into the holes which allows ventilation. The corners of the box are rounded inside with pieces of pasteboard or tin to keep the chicks from huddling up in them. It takes a good deal of care the first week to see that the chicks do not stay outside too long and get chilled. I like the fireless brooders better than the other kind as I believe the chicks are hardier.

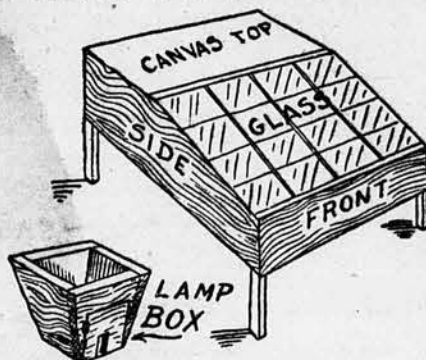
Achilles, Kan.

Effie Hill.

**A Novel Indoor Brooder.**

[Prize Suggestion.]

Mr. Editor—We have a brooder for indoor use that is giving entire satisfaction. The floor is made of a piece of sheetiron 3 feet square, in the center of which a round hole is cut 8 inches in diameter. A tin pan 4 or 5 inches



Plenty of Sunlight Here.

deep and of the same size as the hole is fitted into this opening and soldered all around to keep out fumes from the lamp. This sheetiron floor is placed in a frame of 1 by 8-inch boards, 2 inches of which extend above the floor and 6 inches below. The brooder stands on four substantial legs.

A box of grooved lumber is made for the lamp, 20 inches square at the top, 10 inches at the bottom, and 15 inches deep. There is a door on one side 10 inches wide and 13 inches high. The lamp box is tight except for a 2 by 4 opening at the bottom of the door to admit air. In nailing on the board floor at the bottom of the sides an opening is left 20 inches square directly under the pan. Into this the lamp box is tightly fitted.

We made the upper portion of the brooder detachable. The frame for the top is made of four inch-boards 3 feet long—two for the sides 10 inches wide, one for the back end 8 inches, and the front 4 inches wide. After nailing the frame together a 1 by 2-inch strip was nailed across at about the middle. The sides were then cut to slope to either end.

The back part is covered with a strip of canvas tacked to the middle cross-piece and allowed to hang down behind. This may be rolled up on a stick of wood, leaving an opening to suit the temperature in the brooder. The front part is covered with glass. The sheet iron floor is covered with old carpet and this with newspapers that are changed each morning. We are running three incubators, having one hatch come off

each week. The chicks are kept in this brooder one week, when they are placed in an outdoor brooder, also homemade.

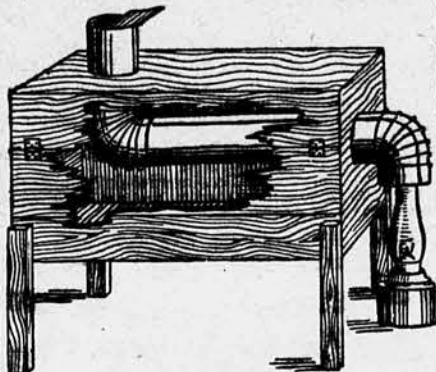
Mrs. Belle Crandell.

Hutchinson, Kan.

**A Simple Heating System.**

[Prize Suggestion.]

Mr. Editor—I have a brooder made of a tight box, one joint and two elbows of stove pipe. The pipe is placed in the brooder as shown with an ordinary lamp at the lower end to furnish the heat. The damper is a piece of tin laid on top of the upper opening by which the



Small Danger of Fire.

heat may be regulated. I find this to make a safe and practical little machine.

Manhattan, Kan.

Ralph G. Ball.

**Metal Tank Used as a Brooder.**

[Prize Letter.]

Mr. Editor—Last year I took an old galvanized iron water tank that had outlived its usefulness and converted it into a successful outdoor brooder. The tank was set on high ground and a roof built over it of boards and rubberoid roofing. The roof extended over the sides of the tank, but a crack was left between roof and sides for ventilation.

The tank is long and rectangular in form. In the middle at one side a trench was dug large enough to hold an incubator lamp. On the floor above this lamp two jugs of water were placed and by putting a partition between them there was room for two lots of chicks, or 150 in all. The entire floor was covered with dry earth. The lamp keeps the jugs warm as well as the earth, for several feet around, and the chicks soon learn to know where they can get warm.

Holes were cut into the tank at the bottom and a small pen of fine mesh poultry wire built opposite them so the chicks could run out on warm days to eat and drink. I had splendid luck with my chicks in this brooder last year. They had no trouble with diarrhea and there were no chilled or sick ones. There was no need to worry about the brooder and chicks burning up, for the lamp could have set fire to nothing even if it had exploded.

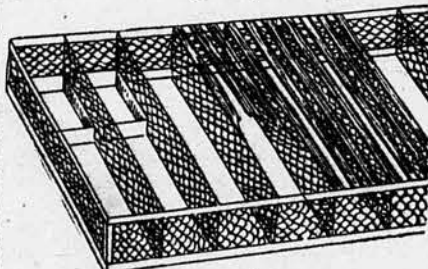
Mrs. Homer Grimes.

R. 1, Ocheltree, Kan.

**An Outdoor Hatching Coop**

[Prize Letter.]

Mr. Editor—In trying to simplify the problem of having to set hens in boxes all over the farm I came across this plan: This sitting coop is 12 feet long, 4 feet wide, and a foot high. It is divided into 12 runs each 1 by 4 feet in size which is plenty of room for a



Overlapping Boards May Be used to Cover Nests.

hen. The frame is of 1 by 4-inch boards. Sides, ends and partitions are made of poultry wire. Each run is covered with three slats, the outer two being nailed down while the middle one is used as a slide when feeding and watering the hens. This enables one to get at each hen without disturbing the others. The nest is put in a frame 1 foot square placed in one end. This makes a cheap, durable, neat, handy, lice-proof, close-to-nature hatching coop.

Enterprise, Kan.

D. O. Krehbiel.

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tire bills

The average mileage yielded today by United States Tires is from 25 to 50 per cent greater than that given by any make of tires previous to the formation of the United States Tire Company, two years ago.

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Ask your friends who are using United States Tires, how much more mileage they are getting now than they were getting in 1910.

Two years ago we predicted that concentrating the efforts and facilities of four of the world's most modern tire making plants, on the making of one line of tires, would result in the most radical reduction in tire expense ever known to the industry.

We have made good our prediction.

United States Tires have today come to be everywhere acknowledged as

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Your Wash Day Worries  
With This Wonderful  
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With the Galloway Washing Outfit shown above you can turn work into play. No more back-breaking, health destroying drudgery now. A ten year old girl can easily run it by hand and quickly handle a big family wash. But the best way is the power combination shown in picture. So simple and easy to operate that you can't go wrong. If you already have an engine all you need is this washer. If you haven't, by all means get my complete outfit. I'll send it for 30, 60 or even 90 days' free trial. If you decide not to keep it, back it comes at any expense—you won't be out a penny.

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If you purchase the Galloway Improved Washer with Engine and Truck as shown in illustration, we will furnish a sufficient amount of Belt Free and ship it with the machine. The engine is the regular Galloway and there is nothing on the market to equal it for pumping or running any kind of light machines.

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Air Cooled Water Cooled Water Cooled

No. 1 Washer Complete (belt free)..... \$49.75 \$57.50 \$63.50  
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NOTE—In case you wish the outfit without truck, just deduct from above prices \$5.00 if engine is 1½ h. p. size, or \$8.00 if engine is 2½ h. p. size. (321)

Wm. Galloway Co., Wm. Galloway, 201 Galloway Station, Waterloo, Iowa  
President



## Helping the Incubator

### A Tester Will Insure Good Hatches

By MRS. DON WILLS, Miami, Oklahoma  
Written for Farmers Mail and Breeze.

I HAVE had extra good success in operating my incubator and the reason is I test the eggs before putting them into the machine to make sure no imperfect ones are put in. There are many imperfections on the inside of the shell and in the egg itself which one cannot easily detect with ordinary testers. I use a tester that contains a magnifying lens which shows up these imperfections. I test again in from 12 to 36 hours, taking out all infertile eggs.

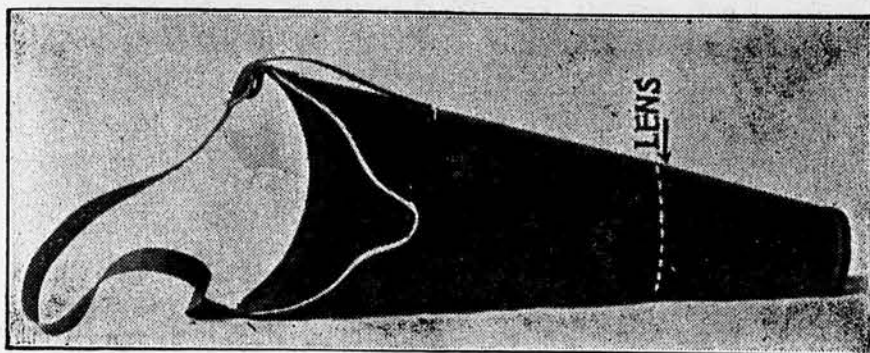
I keep my lamp clean, wick well trimmed and use only the best of oil. I hold the temperature at 102 to 103 degrees the first two weeks and at 103 to 104 the last week, never allowing it to get higher than 104 at any time. I use no moistener except that provided by the incubator, until the hatch is well advanced, when I sometimes lay a warm, wet towel over the eggs if it seems nec-

the infertile eggs are not hurt by being subject to incubation for 36 hours.  
Miami, Okla.

### Alarm Bell For Incubator

[Prize Suggestion.]

Mr. Editor—We have an electric alarm bell connected up with our incubator that we find of great help in avoiding overheating or chilling of the eggs. A is an electric door bell screwed to the incubator. B is the battery, C the switch and D is No. 13 annunciator or bell wire. The wire runs from the bell to the switch, then to the regulator at E. F is a fine wire twisted in the shape of a two-pronged fork, one prong about  $\frac{1}{4}$  inch above the regulator arm and the other the same dis-

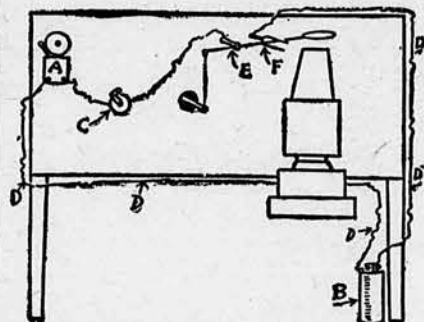


Egg tester with magnifying lens. It is light of weight and is held in place by a strap passed around the head of the person testing the eggs.

essary. I look out for dead germs in the eggs all along the way. I believe a dead chick in the shell throws off a poisonous gas which is injurious to the good eggs. When the first few chicks have worked themselves free from the shell I take them out and place them under a hover kept in a warm place, where they will have better air to breathe than the incubator provides. I take out all chicks as soon as possible after hatching, but do not open the machine too often. Later they are transferred to the brooder. I lose a very small per cent of chicks hatched. I give them nothing for 48 hours but grit and water, then feed a prepared chick food until they can eat wheat and chop. They have a dish of bran before them all the time, as bran is to a chick what hay is to a horse.

On three different occasions I have hatched every egg in the incubator but one. One of these was a hatch of Big Bronze turkeys. I lay my success to testing the eggs well and early, thus being able to replace all infertile eggs with good ones from under a hen set at the same time. This is an advantage in that

tance below, when the regulator is in a normal position. The prongs are of very thin wire so as not to interfere with the movement of the regulator arm. One wire from the battery connects with F and the other passes under

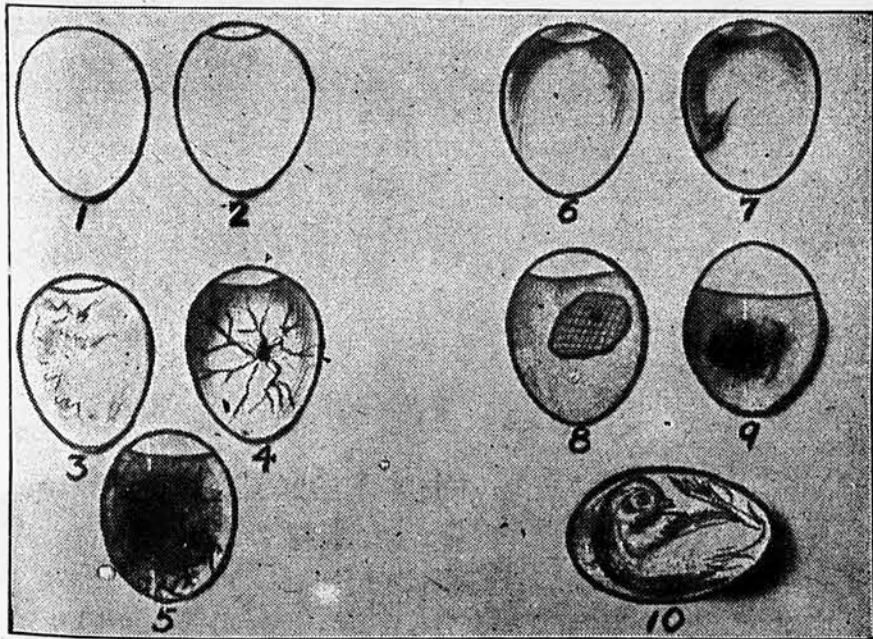


How the Bell is Connected Up.

the machine to the bell. The circuit is closed as soon as the regulator arm comes in contact with one of the prongs at F, which rings the bell.

F. J. Hebrank.

R. 3, Council Grove, Kan.



Stages of incubation as seen through a tester. No. 1 shows a fresh or infertile egg after 36 hours' incubation. Nos. 2, 3, 4 and 5 show a fertile egg at 36, 48 hours, 6 days and 14 days of incubation, respectively. No. 6 is an infertile egg after 8 days of incubation. Nos. 7, 8 and 9 show a dead germ in the egg at 6, 10 and 14 days of incubation, respectively. No. 10 shows a chick ready to hatch.



## The Winged Message

Noah's messenger was a dove. In Solomon's time, pigeons were trained to carry messages. Brutus used them at the siege of Modena. They served the Turks in their fights against the Crusaders. In mediæval wars they were more useful than ever before.

France had a carrier-pigeon mail service, with messages reduced by photography and read through a microscope.

Even today carrier pigeons are utilized as news-bearers in isolated parts of Europe.

In America, the land of the telephone, the carrier pigeon is bred only for racing. The winged word has taken the place of the winged messenger.

Pigeons may fly more than a mile a minute, but the telephone is as quick as speech itself.

The dove is the emblem of peace. The telephone is the instrument of peace. The telephone lines of the Bell System unite a hundred million people in one national family.

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No matter how fast you go on hottest days, Polarine lubricates every part perfectly, maintaining the correct lubricating body at any motor speed or heat.

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**Flows Freely at Zero**

# Polarine

FRICION REDUCING MOTOR OIL



## Causes of White Diarrhea

### A Germ Disease Transmitted in the Egg

BY B. F. KAUPP, Colorado Station  
Written for Farmers Mail and Breeze

**Editor's Note**—There is probably more misapprehension and differences of opinion among poultry raisers in regard to the cause of white diarrhea than upon any other one subject. It has been proven to be a germ disease. When a flock becomes generally infected with the germ of white diarrhea the owner has a hard fight on his hands. Sometimes the ax is the best treatment. Dr. Kaupp notes in this article that the infected hens are not as a rule early layers and that early spring hatches are likely to be free from the disease than chicks hatched later. Here are two facts to work with: Get rid of proven poor layers and bring off hatches early.

**T**HERE are two causes of white diarrhea, one form due to a germ (bacterium pullorum) and one due to an animalcule, or protozoan (Coccidium tenellum). The bacillary form is accom-



B. F. Kaupp.

panied by droopy wings, ruffled feathers, sleepiness, a tendency to huddle together, and little or no appetite. The abdominal yolk is not properly absorbed and the whitish or whitish-brown, frothy discharge from the bowel adheres more or less to the vent fluff. The appearance in many is stilty, with abdomen prominent behind, and they peep much of the time. In these cases, after death, one finds the yolk unabsorbed, or only partially so, and the intestines are more or less full. Chicks that hatch in late fall, winter or early spring are freer from this disease than the summer hatched. This may be explained by the fact that hens with diseased ovaries gradually become poorer layers as the disease processes advance, and hence, only lay in late spring or early summer.

In the coccidian form the symptoms are similar except that, as a rule, the heavy death rate takes place later.

#### Transmitted From Hen To Chick.

In the bacillary form the ovaries of laying hens, diseased but still functioning, may be infected by the germ. The chicks from infected eggs, as a result, have the disease more or less developed when hatched, as conditions which favor hatching also favor the multiplication of the germs. From these chicks the whitish, frothy, pasty bowel discharge, more or less sticky and with a tendency to paste up the vent, is laden with the germ, and others of the same flock soon become infected from contaminated food picked up from the ground.

In the bacillary form, chicks may begin to die soon after hatching; in the coccidian form in from 3 to 10 days, a few dying each day. The death rate is high, reaching in many cases, 75 per cent or more. Those that recover are stunted and do not make satisfactory growth. The greatest loss is from the first few days to two or three weeks. It is probable that the disease carriers are recovered chicks, which have established immunity, but still carry the organism, especially in the ovary, as typhoid carriers among people do in the infected kidneys or bowel ulcers.

Unsanitary conditions, spoilt food, dirty, stagnant water, improperly ventilated incubators, brooders and buildings, or badly regulated heat weaken the chicks and favor disease.

#### Treatment That Saved Many Chicks.

Treatment that saved 80 per cent of the chicks in an infected hatch was as follows: Incubators and nursery trays were fumigated with formaldehyde gas. Windows, doors and all other openings in the room were closed tightly and for each 1,000 square feet of space in the room or building 20 ounces of formaldehyde (40 per cent) and 16 2-3 ounces permanganate of potash were used. Place these two materials in a vessel and place in the middle of the room and leave for several hours.

After the chicks were hatched they were not to receive any feed for 48 to 72 hours as the yolk contained in their abdominal cavity will furnish food for that length of time, and an engorgement of the intestines might interfere with its absorption by pressing on the absorbing vessels.

The following dilution was kept before them from the time of hatching to 4 weeks of age, and then given twice a week for the next few weeks: One 30-grain veterinary sulphocarbolates tablet, and bichloride of mercury, 6 grains; and citric acid 3 grains. This quantity was dissolved in a gallon of water. The problem of obtaining the proper solution seemed a serious one. It was finally solved by the Abbott Alkaloidal company which kindly made up a quantity of the tablets, each containing the above proportions of ingredients for this experiment.

### Causes of Diarrhea in Chicks

A READER'S REPORT.

**Editor's Note**—The so-called "true" white diarrhea of chicks, referred to as bacillary white diarrhea by its investigator, F. H. Stoneburn of the Connecticut Experiment station, is declared by him to be a hereditary disease transmitted in the egg from hen to chick. He asserts it has its origin in the diseased ovaries of the hen which has survived an attack of the disease as a chick. There is another form of chick diarrhea, closely resembling the bacillary form, for which no germ has been discovered. This form is often mistaken for the other. Undoubtedly much is yet to be learned about both forms of the trouble. Mrs. Ellis's report is interesting, being the observation of a practical poultry woman.

A poultry raiser takes off a hatch of chicks and certain things happen. He immediately formulates a new rule, to-wit: If you do thus and so, such and such will happen. Ten to one it will not work out that way at all the next time. The consequences he has in mind are very probably due to an entirely different cause.

Take, for instance, the fatal white diarrhea of chicks: I have frequently read in the Mail and Breeze and other papers that poultry raisers blamed this disease to heat in the incubator or to germs found in the machine. My own experience has proven to me that the incubator has nothing to do with this disease directly. During the last seven years I have hatched thousands of chicks in an incubator. The first three of four years white diarrhea killed hundreds of them for me but I was absolutely ignorant of the chicken business then and supposed every flock of chickens had to have a run of diarrhea just as children have measles. Now I know better and for the last three years two dozen would easily cover all my losses from that cause. Yet I have only used one incubator so there can be nothing in the germ theory.

As for too much heat causing this trouble—on February 6 I put 100 eggs in the machine in my living room within 6 feet of a round oak stove. In spite of all I could do the temperature would run down below 90 degrees at night while there was scarcely a day that it did not get up to 105 and several times it went as high as the thermometer would register. I had never run an incubator in the house before so I supplied no moisture.

On the 21st day there was no sign of a hatch. The next day three eggs were pipped and on examination I found the membrane of the egg was hard and as brittle as the shell itself. I saturated a cloth with hot water and spread it entirely over the eggs. I left this cloth on the eggs until the end of the hatch, wetting it every hour or so.

On the 23rd day I succeeded in literally soaking 67 chicks from their shells. Surely no chicks could be hatched under more unfavorable circumstances. Those chicks were 2 weeks old today and have passed the dreaded second week. Only one chick has shown the least symptom of diarrhea and I had that one put out of

## Nearly 6,000,000 Hogs Died in 1912 of Worms



Hog losses by disease last year amounted to nearly \$50,000,000.00—nearly twice as great as in any other of the last ten years. Your neighbors right and left have been losing their hogs. If yours are ailing today, look out for tomorrow. Death is in the air and it will rob you of your best profit maker. The trouble is not Hog Cholera, but worms. No hog dies of disease that hasn't got worms. **WORMS** really kill 90% of all hogs that die. **COLUMBIAN STOCK POWDER** positively expels and destroys worms and prevents hog losses. If your hogs are sick it will save them. If they are well it will keep them thrifty and safe. Costs you only a few cents per head a month to feed.

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**Columbian** is the original stock powder—the only sure remedy; used and endorsed by thousands of leading stock raisers.

**NOT A FOOD**, but a medicated preparation, scientifically compounded to expel worms and keep hogs healthy. Restores their digestive powers; makes them grow faster and fatten on 25% less feed. Stops thumps, scours, coughing, fever, indigestion, and prevents all disease.

**MUST BE FED TO BROOD SOWS**, for best results with pigs. Keeps the sows healthy and vigorous, free of fever, makes the milk flow purer and more abundant, insures strong, thrifty litters and prevents runts.

**A BIG SPECIAL FREE OFFER**, never made before—you can't afford to miss it—means dollars to you if taken advantage of at once. Try **Columbian Stock Powder** 90 days before you pay. Write at once stating how many hogs you have.

**Columbian Hog & Cattle Powder Co.,**

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Guaranteed for 5 Years. Undersells every other high grade engine made.

Investigate—Write us for Free Illustrated catalog telling all about these engines.

**WATERLOO GASOLINE ENGINE CO.,**  
175 W. 3rd Ave., Waterloo, Iowa.

its misery. Three others were accidentally killed. As for the rest, everyone who sees them remarks about their size, vigor, and development. I have never seen chicks do better.

I have closely observed and experimented along this line for three years and am satisfied that chilling after hatching is responsible for white diarrhea. It is often stated that only incubator chicks get this disease. This is because chicks brooded by a hen are kept warm at critical times. Try raising them by hand and you will find they are subject to the disease the same as the others.

Keep the chicks warm and dry the first week. Do not let them get chilled for a moment and do not let them bunch up outside the brooder. It is quite easy to teach them to stay under the hover, only coming out when hungry and going back as soon as they have eaten. Keep your ear tuned for that shivery cry which means that some chick is cold. That is the first warning of diarrhea.

Mrs. Charles E. Ellis.

Holliday, Kan.

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**Wanted**  
**Farmer or Farmer's Son**  
with rig in every County to introduce and sell Family and Veterinary Remedies, Extracts and Spices. Fine pay. One man made \$90 one week. We mean business and want a man in your County. Write us. Shores-Mueller Co., Dept. 51, Cedar Rapids, Iowa.

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**FREE**—Write today for catalog and certificate, entitling you to free \$50 course in running traction engines—we own two tractors. Only auto school in the world teaching traction engineering. Send name today.  
**SWEENEY AUTO SCHOOL,**  
1300 Woodland Ave., Kansas City, Mo.



## Bringing Up the New Brood

### Methods Followed by Poultry Raisers

[Prize Letter.]

**D**AMPNESS, and lack of fresh air and sunshine are among the chief causes of chick mortality, especially in the early hatches. Dry quarters are particularly important. If the chicks are kept shut up they will do much better if they have green food of some kind. They should never be without grit and fresh water. I bake a special kind of bread for my chicks made of the following:

Bran ..... 2 quarts  
Coarse corn meal ..... 2 quarts  
Wheat shorts ..... 1 quart  
Blood meal or beef scrap ..... 1 handful  
Fine grit ..... 1 handful

This is moistened up with milk and baked in a slow oven. It may be fed dry or moistened with milk.

Mrs. J. W. Wilson.

R. 2, Vesper, Kan.

#### Brood Coop That Is Handy.

[Prize Letter.]

Mr. Editor—This coop for chicks is 2½ feet high in front, 1 foot in the back, 3 feet wide and 8 feet long. It is divided into four compartments as



Room For Four Broods.

shown. The board floor is separate from the coop so the latter may be lifted off for cleaning. This coop can easily be converted into a fireless brooder by fitting hover frames into the top

baskets for 60 hours. Then they are put in the brooder which has been previously warmed up, floor covered with papers, and clean sand sprinkled over it. Their first feed is corn bread and hard-boiled eggs. The eggs used are those tested out from the incubator. I keep millet and bran before them and some of the chicks are picking at these all the time. In a week cracked corn chop and Kafir are substituted for the corn bread. I mix shorts into a crumbly mass with skim milk and alternate this with the Kafir. Turnips chopped in a food chopper and tender green weeds furnished the green food. The yard is spaded up frequently and provides many worms. I had but one case of diarrhea among my chicks last year.

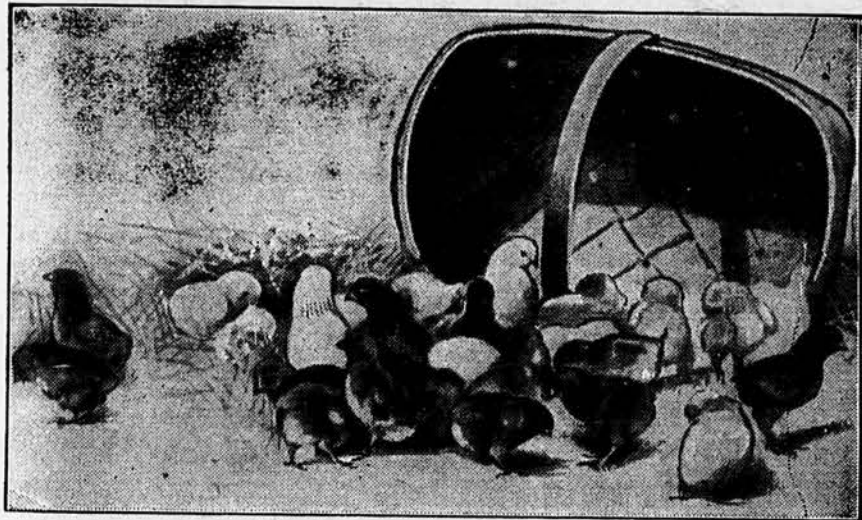
Mrs. W. R. Groves.

R. 2, Woodward, Okla.

#### Gas Heat in Brooder House.

[Prize Letter.]

Mr. Editor—I have a house for my chicks that is 40 by 12 feet in size. It has wire partitions that divide the room into five pens with a 3-foot alley at one side opening into each pen. I use gas for heating for the earliest chicks. I have a small round gas heater over which a tin, funnel-shaped cone is suspended on a pulley, with a weight at the other end of the rope. I raise or lower this cone according to the temperature in the room, but always keep it as much as 6 or 8 inches off the floor. The chicks lie around this heater as contented as can be. I feed the chicks corn bread, biscuits, rolled oats, bran



Dry, warm housing, and a mixture of cracked grains fed often and little at a time, are two big items in rearing a strong, thrifty brood.

of each compartment. Each compartment has its own run, which is made by tacking wire netting over frames 3 feet long, 2 feet wide and about 20 inches high. These are left open at one end so they may be set up in front of the doors to the compartments. This is one of the most satisfactory coops for chicks I have ever used.

Mrs. Beth Camp.

R. 4, Bronson, Kan.

#### Keep Them a Little Hungry.

Mr. Editor—I always scald coops where chicks are kept when I see any sign of mites. The hen with chicks are kept in coops separate from the rest of the flock. After the chicks are 3 days old they are allowed to run at large. For the first feed I give dried bread crust, rolled fine and mixed with hard-boiled eggs. Later they have dry corn chop, cracked wheat and cottage cheese, with plenty of water. They never have all they will eat until after they are 2 weeks old. I give 16 to 20 chickens to each hen. The coops are 3 by 2½ feet and movable. I seldom lose a chick. If chickens are kept dry and warm and are fed often and sparingly on dry feed there is less likelihood of bowel trouble.

Monument, Colo. I. V. Holloway.

#### First Year Brooder Results.

[Prize Letter.]

Mr. Editor—Last year I had my first experience with an incubator and brooder and I shall never go back to the hen method again. As soon as the chicks are well dried I take them from the incubator and put them in warm lined

W. C. Harkey, Lenexa, Kan., writes: "Herewith find \$2 in payment of the renewal of my subscription. I would not think of doing without the Mail and Breeze."

Mrs. Alice Hazell.

R. 2, Langdon, Kan.

## There is Strength all through the PAIGE 36

**S**TRENGTH in a motor car—such strength as is in the Paige "36"—is a guarantee of safety and endurance. A warranty of economy.

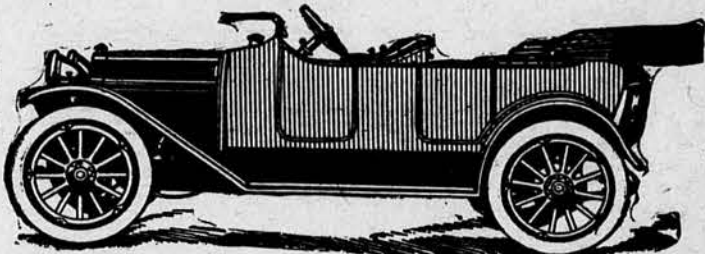
There is strength all through the Paige "36." Strength in the 4-inch deep pressed steel frame. Strength in the drop-forged front axle and the floating type rear axle—axles that are strong enough for a car of twice the weight. Strength in the drop-forged steering knuckles. Strength in the big 34-inch wheels. Strength in the brake control.

There's strength and safety in every part and every detail of the Paige. And there is sturdiness, too, in the sheet steel body and the heavy, firm fenders.

We want you to come see the Paige "36." Come take it all apart, figuratively speaking, and see how strong it is.

The Paige "36" touring car, completely equipped, including Gray & Davis electric starting and lighting system, at \$1275 is the one real sensation of the year. Five body types.

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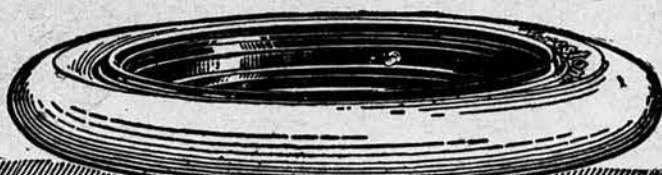
**T**HEY cost least because they last longest. They are worth more because they not only give most mileage but their greater strength means surest freedom from tire troubles, delays and road worries of all kinds.

Extra thick, tough tread and superior body construction have made them first choice for hard service for nearly 14 years.

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Akron, Ohio All Large Cities





## Ducks for Eggs and Market

### They Are Easy Keepers and Don't Scratch

BY READERS OF THE MAIL AND BREEZE.

**M**Y FIRST trio of Indian Runner ducks were bought for the express purpose of destroying some troublesome insects in my flower beds. I intended to dispose of them as soon as the insects were gone. They destroyed the insects like magic, but not a flower was injured.

But before I disposed of them I learned they were valuable in many other ways. They not infrequently outlay chickens, are more easily raised and are less trouble when mature. Runner ducks are almost grown and ready for market when 8 weeks old. They begin laying when from 4½ to 6 months old and lay winter and summer.

Runner ducks do not need water except to drink and when insects are plentiful they require very little food. They do not fly over fences nor scratch up the gardens. A 2-foot fence will hold them. They lay a beautiful white egg, hard to distinguish from hen eggs, except by size, 8 duck eggs being equal to 12 hen eggs. The eggs are just as delicious to eat.

The surplus drakes make the most delicious table fowls, but to kill a Runner duck would be like killing the goose

to 60 cents a pound. Duck raising is profitable when the birds are cared for in the right way. I find the White Pekin best for market. I put them on market when 11 to 12 weeks old, when they should weigh 6 or 7 pounds apiece.

I select well shaped eggs for hatching and put 11 in a nest. The nest is made of clean straw, with two or three mothballs or some insect powder in the bottom as a lice preventive. When the ducks hatch I put them in a coop which has a solid floor, and make a pen 20 by 40 feet around each coop for the ducklings to run in. At 4 weeks old I turn them out by themselves in a large, grassy field. Ducks should have a dry place to roost, and plenty of clean, cool water to drink. If the ducklings get wet in a heavy rain it is pretty sure to give them sore eyes, and often kills them.

It is a mistake to house ducks too closely. There should be plenty of ventilation at the top of the coop, and coop should front to the south. During the laying season ducks should be shut up at night and the coop bedded with plenty of clean straw. At 12 weeks old I put all my ducks out in the road and



A flock of Mr. Hodnette's Indian Runners of the fawn and white type.

that laid the golden egg, since they are valuable as layers when much older than laying hens.

There are three varieties. The English Standard, which in color is fawn or brown and white, the colored body feathers being penciled. The head and tail of the drake are a dark bronze color, often showing a greenish luster. These are not show birds in this country, but they cannot be beaten as producers of fine white eggs.

The American Standard, or exhibition Runner, of this country, in type and marking is just the same as the English Standard, but in color is an even light fawn and white, with no penciling. The head and tail of the drake are the same color as the body, and only a little darker. Some ducks of this variety lay tinted eggs, but there is not a good market for green or tinted eggs, and it is safest to buy only the white egg strain.

White Indian Runners are new, scarce and very expensive. They have all the good points of the other Runners and in addition are pure white—no breeding off color nor fading in the sun. They have the same graceful outlines and upright carriage that have made the older types of this breed admired everywhere.

Austin, Tex. E. F. Hodnette.

Pekins Best For Market.

[Prize Letter.]

Mr. Editor—Ducks can be picked every five weeks and the feathers sold for 45

make them go at a brisk walk to see which are the strongest. The ones that keep up best, I use for breeders.

R. W. Linton.

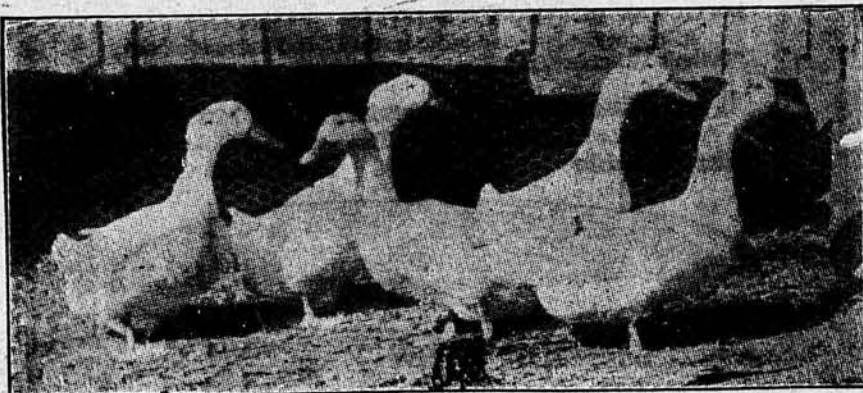
Not Difficult to Care For.

Mr. Editor—I have a flock of 15 ducks and three drakes of the Indian Runner breed. They receive no extra care. We have a yard 16 feet square in which we keep them at night. We keep them penned up until 9 o'clock and by so doing get most of their eggs. From that time until sundown they are on the river. On the coldest nights this winter they would go into the chicken house but at other times they were satisfied with their lath pen. We feed them twice a day. I picked them three times during the hottest months last summer. Three of the ducks were hatched last summer but the others began laying September 10 and continued to November 29, laying from 7 to 9 eggs a day. They did not begin laying again until March 9 and from that date until March 20 laid 71 eggs.

Toronto, Kan. Alice Secoy.

"White Runners" as Layers.

Mr. Editor—We have raised the White Indian Runners but a short time but it did not take long to find out they were par excellence as egg producers. I like the White Runners better in several respects than the fawn and white variety. One is that they lay nothing but pure white eggs. Although many of the



The large White Pekins are favorites as feather and market birds.

fawn and white varieties are advertised as laying white eggs a good many of them have that greenish tint that makes them hard to market.

They do not need running water but should have drinking water handy at all times. I feed them bran, shorts, and corn chop with a small quantity of beef scrap added. They are very active, great foragers, and will rustle most of their feed in summer. The standard weights are 4½ pounds for drakes and 4 pounds for ducks. They should be pure white in color, upright in carriage with a racy appearance. They have all the advantages of chickens and none of their troubles such as lice, mites, scaly legs, cholera, white diarrhea, etc. I am not boosting these little white "egg machines" because I have stock for sale for I have none to sell.

Karl Spellman.

New Albany, Kan.

## The Jayhawk

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that will net you from 15c to 20c more on every sheep you shear with a Stewart No. 9 Machine. Don't labor with hand shears, in the old, hard, sweaty way. Don't have aching, swollen wrists. Don't tear and disfigure your sheep with uneven shearing and spoil the wool with second cuts. Take off the fleece smoothly and quickly in unbroken blanket with a BALL BEARING SHEARING MACHINE.

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and gets a length and quality of wool that will bring the highest price. The Stewart runs so easily a child can turn the handle, while you shear. Extra profits soon pay for it. It's the most perfect hand operated shearing machine ever devised. Has ball bearings in PRICE every part where friction or wear occurs. Has a ball bearing shearing head of the latest improved Stewart pattern. Price complete, including 4 combs and 4 cutters of the celebrated Stewart pattern, only \$11.50.

Get one from your dealer, or send us \$2.00 and we will ship C.O.D. for the balance. Money and transportation charges back if you are not pleased with it.

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I am making the most startling, the most amazing price slashing offer ever made on harrows and harrow carts. Write me at once—or order right direct from the amazingly low prices given here—act quick. Sold on 30 days' approval test. Backed by \$25,000 bond.

Get My Big FREE Book Now

### Galloway's Prices Are Lower Than Dealers Pay in Car Load Lots

Yes, Sir—I will sell you a genuine Galloway Guaranteed New All Steel High Wheel Harrow Cart for \$5.50, and a Galloway Guaranteed All Steel Flexible Lever Harrow as low as \$11.00—both for \$10.25—less than your dealer would have to pay for inferior articles in car load lots. Last year we sold thousands of these carts and harrows. This year we are going to sell three where we sold one before. The price will do it. Here is your chance—act quick.

### My Particular Hobby

This Galloway Harrow Cart is a pet of mine. I made my start with Harrow Carts—sold 4,400 the first year, 7,200 the second year and have been selling thousands every year since at prices that smashed all competition.

My All Steel Harrow Cart is different—original—with special patented features that put it in a class by itself. It will successfully follow any harrow without interfering with levers and sections, and at the same time will turn perfectly without changing position of driver in seat. It is closely connected to the harrow and has high spring seat that raises operator up out of the dust. Heavy steel angles; axles have oscillating arms made of solid steel bars; dust proof boxes.

**Prices F. O. B. Waterloo or Kansas City**  
**N1903**—New High Wheel Harrow Cart, 30-in. wheels; dust proof boxes; weight, 80 lbs.; price, \$5.50  
**N1904**—New High Wheel Harrow Cart, 36-in. wheels; dust proof boxes; weight, 85 lbs.; price, \$6.25

You can't afford to walk behind a harrow, when you consider the saving in time and shoe leather my Harrow Cart makes you. It means at least one hour a day besides the greatest saving in labor for the money ever offered a farmer.

### World's Greatest Harrow

Since developing my Harrow Cart, I have perfected Galloway's New All Steel Flexible Harrow—the only harrow made that can be adjusted with levers. For years when I traveled on the road I sold a wooden flexible harrow to dealers and it was a good one, but it didn't have any levers. It was adjustable, it was wooden, which naturally in time, exposed to the weather and elements, would soon give out and warp out of shape.

**WM. GALLOWAY, Pres., Wm. Galloway Co., 201 Galloway Station, Waterloo, Iowa**

of place. I sold these harrows at wholesale to dealers at \$1.00 per foot. I am now selling my new Galloway All Steel Flexible Harrow direct to the farmer for less money than they used to pay for the old style wooden harrows.

### Some Special Features

On account of its flexibility, the teeth of this harrow go down into the hollow places, follow close to the ground, so into all the low places and over the ridges without skipping a foot of space. Each section and each bar is entirely independent of the other; no side motion, no danger of one section riding on the other. With the teeth slanting back, this harrow is ready for corn stalk ground, smoothing or weeding grain ground, etc. When teeth are straight up it is ready for pulverizing fall plowing, and on account of the oscillating movement the teeth dig and tear up the ground similar to a cultivator.

**Harrow Prices F. O. B. Waterloo and Kansas City**  
**N5003**—2 Section Harrow (80 teeth); Width, 11 cut ft.; Weight, 198 lbs.; price, \$11.00  
**N5004**—3 Section Harrow (120 teeth); Width, 16½ cut ft.; Weight, 305 lbs.; price, \$16.50  
**N5007**—4 Section Harrow (160 teeth); Width, 22 cut ft.; Weight, 432 lbs.; price, \$22.00

### Special Combination Prices

If you order one of these New Harrow Carts and New All Steel Flexible Lever Harrows together, we will make you the following special combination prices F. O. B. Waterloo factory or Kansas City:  
**N1903**—30-in. Cart and 2-section Harrow... \$14.25  
**N1970**—30-in. Cart and 3-section Harrow... 21.50  
**N1971**—30-in. Cart and 4-section Harrow... 26.95  
**N1972**—36-in. Cart and 2-section Harrow... 16.75  
**N1973**—36-in. Cart and 3-section Harrow... 21.00  
**N1974**—36-in. Cart and 4-section Harrow... 27.45

I would like to see one of these High Wheel Harrow Carts and All Steel Flexible Lever Harrows on every farm in this country. You can safely order direct from this announcement, or if you prefer I will send you

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## A Curtained House For Layers

BY A. R. HOCKETT.

[Written for Farmers Mail and Breeze.]

I built my poultry house on a cement foundation, 4 inches wide, 6 inches below, and 6 inches above the surface of the ground. The roof slopes both ways, being 6 feet high at the eaves and 8 feet at the ridge. The house is sided and covered with shiplap and prepared roofing. On the south side there is a 3-foot opening running the entire length, that is covered with 1-inch mesh wire netting. Burlap curtains are provided to drop on cold nights and in windy weather. There is also a curtain in the center to drop in front of the roosts

less, or only that land which is comparatively free of crabgrass.—J. C. H., Jackson county, Kansas.

I do not think it advisable to sow the Sweet clover in the land which is foul with crabgrass since the crabgrass is just about as likely to smother the Sweet clover as it is to choke out alfalfa. The better plan for you will be to summer fallow this land, giving it cultivation to destroy all crabgrass and other weeds and sow the Sweet clover about the middle of August. Under favorable conditions the clover will start and make an excellent stand and should pass the winter making an early spring growth in 1914 and yielding several crops of hay during that season, providing it is ham right as regards



South front scratching shed of Mr. Hockett's poultry house and his flock of White Wyandottes.

in extremely cold weather. The house joins the barn and a door connects the two. On stormy days the chickens may be let into the barn.

The roosts are in the north part of the house with a 12-inch board set on edge the length of the floor to keep the droppings out of the scratching litter. The south half of the house is used as a scratching room. A partition in the middle strengthens the house and may be used to separate different flocks. We also have a separate room for setting hens. The flock is fed mostly on wheat, Kafir, corn, oats and millet, all being given in the scratching litter. They also have grit, oyster shell, and bran handy at all times. On cold mornings we feed some kind of warm mash. The

cutting, etc. The crop sown next fall will seed in the summer of 1914. I am requesting the Experiment Station at Hays to mail you a copy of a circular letter which I prepared and which is on file in that office relating to the culture of Sweet clover.

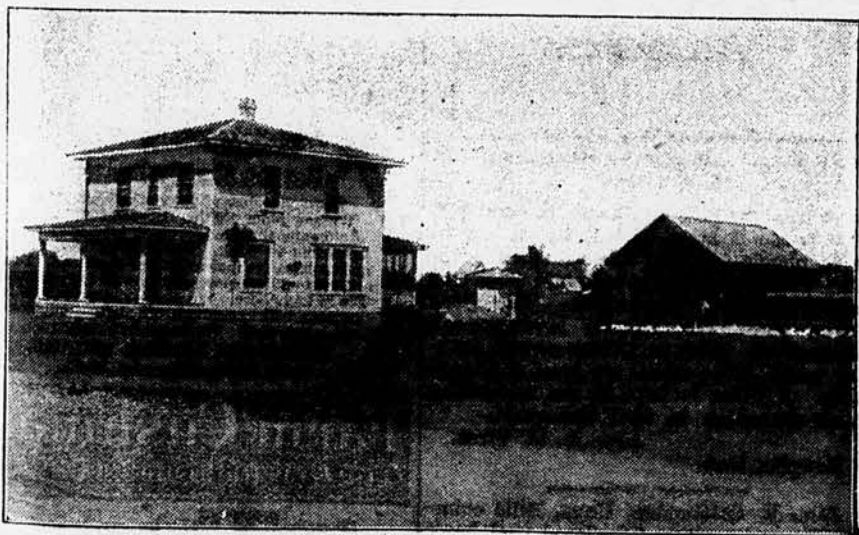
A. M. TenEyck.

Iowa State College.

## Listing Method in Dry-Farming

Some time last fall in the Mail and Breeze Prof. TenEyck spoke of a certain listing method. I should like to know more about it.—B. F. D., Clinton, Okla.

Your letter to the Mail and Breeze has been referred to me. I prepared a bulletin for the Kansas Experiment station before I left Kansas and hand-



The Hockett home with poultry house and flock in the rear.

best thing I have found so far is sugar beets cut up and cooked, with enough bran stirred in so the mixture will not be sloppy.

We hatch our pullets in March and April. Some hens are set at the same time we start the incubator and the chicks are given to the hens to raise. We have been getting eggs all winter from our 135 White Wyandotte hens. In January they laid 629 eggs and in February 1,330. Up to March 15 they had laid 874 eggs. We have our customers for butter, poultry and eggs the year round and get the top market price for our produce.

R. S. Wichita, Kan.

## Sweet Clover on Foul Land

I want to sow some Sweet clover seed this spring and some of my land has some crabgrass on it. Will the crabgrass smother or choke out Sweet clover as it does alfalfa, sometimes? If it can down the crabgrass I want to sow 100 acres but if it cannot hold its own with the crabgrass I will sow

ed the material to the director. It treated of Dry-Farming Experiments With Wheat. In this bulletin I discussed the "listing method" in a chapter devoted to that subject.

I have not as yet prepared a special pamphlet on the subject, in fact, I had expected that the bulletin named would be published before this date but I understand by a recent letter from the acting director, Prof. W. M. Jardine, that this bulletin along with two others which I handed in last November, will not be published until after the first of July, 1913, because of lack of funds. However, if you will write to the acting director, as named above, speaking of this bulletin, you may secure such a copy when it is published.

A. M. TenEyck.

Iowa State College, Ames, Ia.

In writing any of our advertisers, always mention Farmers Mail and Breeze. You will get a quick reply if you do.



## Style, Comfort and Service

### Get This Nobby Pump

"SOCIETY" shoes are now worn and approved by discriminating women everywhere. The pump here shown is one of the finest models our designers have produced—Ask for style 5338.

It is made of the finest quality gun metal leather over the new "Vogue" last. The heels are one inch high, which is a happy medium between extreme high and low. The same style is also made in tan leather.

The "Society" is made in many styles at \$3.50 to \$4.00, according to style and leather. Shoes of the same quality produced by a small manufacturer are sold for about a dollar more.

Our 23 big "Star Brand" factories employ over 10,000 expert shoemakers and produce over 15,000,000 pairs a year. The more we make, the less it costs to make them. You get the benefit of the saving.

Most of the medium-priced shoes for women contain paper and other substitutes for leather, but the "Society" is honestly made of finest leather. No substitutes are ever used.

"Society" and other "Star Brand" shoes are sold by 20,000 good merchants. Don't just go into ANY store and ask for them, but hunt up the "Star Brand" dealer or write to us for name of nearest merchant who sells them.

Always insist upon having the "Society" shoe with our name on the sole and our "Star" on the heel.

"Star Brand Shoes Are Better"



**ROBERTS, JOHNSON & RAND**  
MANUFACTURERS Branch of International Shoe Co. ST. LOUIS

## SHINGLE SENSE, Mr. Farmer

LUMBER ECONOMY, No. 5

There is real pleasure in talking "SHINGLE SENSE" to a man of known and demonstrated "HORSE SENSE". The man of "horse sense" has proved what he knows, and he sticks to it. If he hasn't proved the unequalled economic value of Cypress Shingles, we hope he will lose no time in doing so, and thus add "shingle sense" to his accomplishments. It is quite

the custom in this country to accord a corner on "horse sense" to the farmer man, and we acquiesce in the practice—he has it, all right. Now, if you will but test out the shingle problem and learn the truth about the "benefit eternal" in using CYPRESS, "the Wood Eternal" for roofs, you will earn a diploma of graduation in "Shingle Sense", and be big money in.

## A Few Elemental Lessons in Shingles:

**A SORRY BUNCH** is that of the "oratory" scrub shingles you sometimes get when you simply say "GIVE ME THE SHINGLE". The verdict on many shingles that are shipped a long distance. Baked to death to save freight. They may be offered to you, Mr. Farmer, as a substitute for CYPRESS, "The Shingle Eternal." Next time you will know better. Insist on CYPRESS.

**A THIN PROPOSITION** applies to shingles that are not of proper thickness at the butt. Look pretty! But they do not last well. They may be offered to you, Mr. Farmer, as a substitute for CYPRESS, "The Shingle Eternal." You'll answer "nothing doing—give me CYPRESS".

**COULDN'T SPANK A BOY WITH SOME SHINGLES.** Too narrow. They will do for soot-picks, substitutes for CYPRESS. Leave 'em. The alternate soaking and baking that a roof has to stand only standard width shingles, 4, 5 or 6 inches wide by 16 inches long. Then be sure you get CYPRESS SHINGLES—BECAUSE "CYPRESS LASTS PRACTICALLY FOREVER".

**REMEMBER, Mr. Farmer,** that whereas other shingles are doing extra fine if they last 8 to 10 years, Cypress Shingles are officially recorded by the U. S. Govt. as having lasted as long as 22 1/2 years. (Refer to Vol. 1, Cypress Pocket Library FREE for a postal. It also includes full list of all the other 36 Volumes. Every one an authoritative reference work.)

Nothing is more annoying to the owner of a new house (or a new roof) than to "turn the water off" onto the ground (when the eastern needs replenishing) for rain after rain until the as long as they last—shingles with some kinds of shingles needn't be long).

The only alternative to the total loss of good, soft water is to risk the staining of clothes if you wash with it, or the toleration of a "rooky" flavor, that cannot be filtered out, if you try to drink it. CYPRESS SHINGLES NEITHER STAIN NOR TAINT THE WATER. They are the only kind that do not. CYPRESS shingles—"and no substitutes!"—is the prescription.

**DEMAND CYPRESS** shingles of your dealer. If he tries to work off a substitute, don't take it. If he does not carry CYPRESS in stock, write us and we will tell you where you can get them.

## Cut Out and Ship in the Coupon!

This little "Kitty-Cornered" coupon, if signed by you and sent to us, will bring you a booklet or two. Vol. 1 is all about shingles—a book of "Shingle Sense." Vol. 2, "Farm Lumber Needs" is a dandy. JUST ASK.

So. Cypress Mfrs. Assn.

Hibernia Bank Building  
New Orleans, La.

"I" So. Cypress Mfrs. Assn. Hibernia Bank Building New Orleans, La. I expect to build a new

and \_\_\_\_\_ within the next \_\_\_\_\_ days and would like to have as one \_\_\_\_\_ Vol. 1, U. S. Govt. Report. \_\_\_\_\_ Vol. 7, on Cypress Shingles. \_\_\_\_\_ Vol. 22, on Silos and Tanks. Also put me on the list for \_\_\_\_\_ Vol. 20, on "Farm Lumber Needs" & \_\_\_\_\_ Vol. 24, "Short Cuts to Good Farm Carpentry" (with free plans and working drawings) to come as soon as printed. (No cost or obligations on me.)





## JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

We like to get the experiences, views and opinions of "our folks" on any farm or livestock subject particularly if seasonable and likely to help some of us who may need the information. Your letters are always welcome. Subscriptions to Farmers Mail and Breeze or other good publications for best letters received. Address Editor Farmers Mail and Breeze, Topeka, Kan.

The wise ones who were so certain an early Easter and an early ground hog meant an early spring, will forget before another year its failure to arrive this spring. An early Easter has about as much to do with an early spring as the length of our old cat's tail.

The old New England Farmers' Almanac had it: "On the 15th plant your potatoes, on the 15th your corn and see that your sheep in good season are shorn" but it didn't mean the 15th of March, it had reference to the 15th of May, and if the weather holds as it is at present, it will be good advice for us about that time.

But we really should not complain about a little rough March weather; if we had just been through what the farmers of northern Nebraska have, we would have cause for growling. The storm of March 15 killed 17,000 head of cattle for them, so press dispatches say. This was not an expected loss for feed was plenty there and the stock was in good condition.

From what we can hear from Nebraska the storm was not intensely cold but the wind blew at a terrific rate and the air was filled with snow. The cattle drifted before the storm and many went into the rivers and small lakes that are numerous in that section. Practically every animal that went into the water perished. On one bare spot near a river 29 head were found in one bunch dead. They had been in the water but had got out, laid down and died.

The heaviest losses were in the neighborhood of Hyannis and from there to Alliance. The estimate of the loss in the country tributary to Hyannis is 8,000 head. It is a tragedy that the farmers of that section are called upon to stand this loss; cattle are very high in price and they had been kept over the winter of a year ago at great expense. A storm of such a nature could hardly have been looked for at this time of the year and most of the cattle were running at large when it struck.

And so we say we have nothing to complain of down here in Kansas even if March is a little rougher than we expected. The storms that strike this region, while often disagreeable, are never dangerous to human life and it is seldom they cause any loss of stock. On the whole, Kansas has about the best weather of any of the Central States, taking the year as a whole.

We have received several letters from readers suggesting causes for the loss of the chickens which we spoke of a short time ago. Most of them suggest the chickens got hold of salt or brine. We knew this would kill chickens but there was absolutely nothing of the kind that they could have got. After thinking it over, we have concluded we may have hit on the cause. After the storm we had a new galvanized tub filled with water which froze up; when it thawed out we gave the hens water from it once. The next day we emptied the tub and noticed the residue was filled with white scales that looked as if they might be from the galvanizing on the tub. If this is poison it may be what killed the hens.

A letter from Burrton asks whether or not it would do to set out Osage hedge in Kansas in the fall. We should prefer not to. Spring-set trees live much better here in Kansas; the falls and winters are apt to be dry and the young trees dry out too much. If trees are received in the fall we should rather heel them in and set them the next spring very early. The trouble with most nursery stock here is that the nurseries do not send it early enough in the spring. We have received stuff

from nurseries as late as May 1. This is fully a month too late to set trees in Kansas.

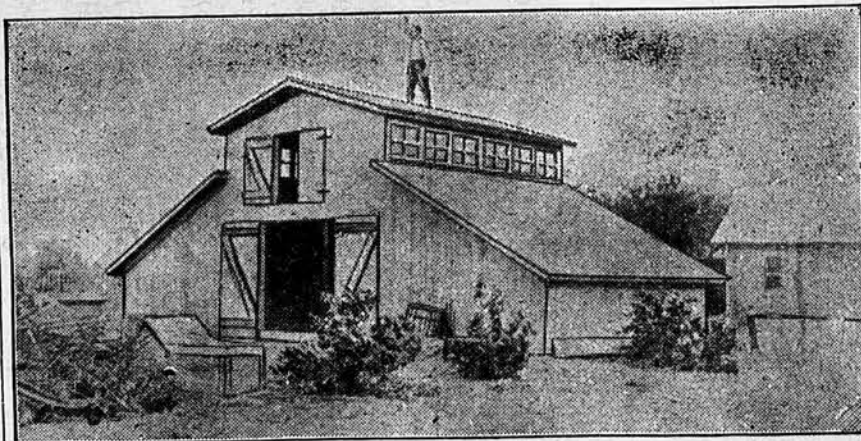
There is plenty of hedge on this farm; if there was not, we should be in doubt whether or not to set any. Hedge makes a good horse fence for they never get wire-cut on it but it has to be pretty close or horses soon find they can force their way through it. When they find this out, there is nothing to do but to string a wire along the hedge. Cattle do not force hedge fences so much as horses; in this respect they are just the reverse of horses with the barb wire fence. Nearly any kind of a wire fence will turn horses.

Lightning never strikes a hedge and runs along it for half a mile as it sometimes does on wire fence. Hedge cannot be cut or thrown down by hunters as wire fence often is in pastures and meadows remote from houses. On the other hand, a hedge fence will in a dry time take about all the moisture for a rod on either side; it also saps the fertility of the soil so that good crops cannot be raised close to it even if there was plenty of moisture. If the hedge is kept trimmed it does not sap the ground much but trimming is a big job and there are no posts to be cut from a trimmed hedge. A nicely trimmed hedge is about the prettiest fence there is. For all this many hedges are being torn out by the roots, for when land gets to be worth \$100 per acre, it is too valuable to raise hedge.

Several farms have been put up at auction in this locality this last winter. Of course, no man is going to put a farm up at public sale without protecting himself in some way and so most of them reserve one bid which is usually put on about the last thing. At times when this is done it cuts off further bids and the sale is stopped right there. But the reserve bid does not always stop the sale for sometimes it is low enough so that the farm is still a good bargain at a higher price. We should judge that about half the farms put up for sale in this way really sell.

One farm near here which was sold a short time ago was being cried with the bid at something more than \$35 per acre. The owner, who was pretty sure that a neighbor wanted the farm, finally put the one bid on it that custom allows. He made it \$39.50 per acre, probably thinking that the man who wanted the farm would make it even \$40, but the other man fooled him a little by bidding \$39.51 and this took the farm. Many men would have jumped the bid to an even \$40 but this man used his wits a little and made a quick guess that \$39.51 would take it as quick as \$40 and it did.

We think this a pretty good way to sell a farm. The owner, with his one bid, can protect himself against selling at a very low figure and if he makes his one bid a reasonable one it does not operate to stop the sale. Often



The Vires poultry house, which the owner says she finds roomy, economical, comfortable and all around satisfactory.

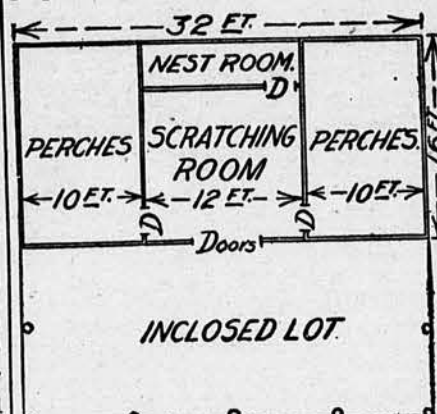
when a farm is sold a neighbor will say, "Why didn't you let me know you wanted to sell? I would have given you more than you got." When a farm is sold at auction, notice is given to the whole countryside and if any man who wants it then lets it get away it is not because he did not know it was for sale. Such a sale also saves the real estate agent's commission which in many cases is quite an amount.

A friend who farms a few miles from here made up his mind last fall that he would try some Sweet clover this spring. There is a poor spot on the farm and he thought he would sow it to Sweet clover, then when it made a good growth, plow it under. He bought his seed last fall, before the whole country made up its mind to sow Sweet clover this spring, getting it for \$6 per bushel. He sowed it about two weeks ago on what was thought to be the last snow, as those who have grown it for some time say that is the best way here. But so keen was the demand for the seed that our friend had a hard time hanging on to what he had bought and one man finally offered him \$12 per bushel for all he had.

It seems to be the general opinion of those around here who have grown Sweet clover for several years that it is not necessary, or even the best way, to plow or otherwise fit the ground in fine shape for this seed. They say that it does best to sow it very early right on the hard ground and let it take its chance. That this might be the best way would seem likely when we consider that Sweet clover always does best right in the hard road. We are going to watch the result of our friend's sowing and will later report how it turned out.

### A Reader's Poultry House

Mr. Editor—I am sending you a photograph of our poultry house and a floor



Floor plan, showing the interior arrangement of the house.

plan to show how the house is arranged. The house is large enough for 400 hens, with plenty of room and ventilation for all. The house stands east and west and has a yard on the south. The floor plans show the interior arrangement throughout. The partitions are of poultry wire. The perches are level and movable. A litter is kept in the scratching room in which to feed the grain.

Mrs. A. V. Vires.  
Douglas, Kan.

John R. Chittenden, Hays, Ellis county, Kansas, writes: "Enclosed find bank draft for \$2. This will pay my subscription up to May 1914 to the best farm paper on earth."

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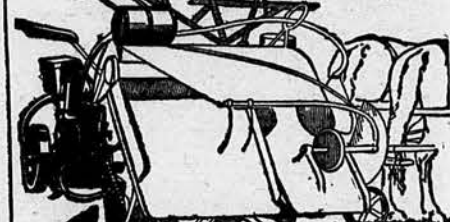
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## Leidigh's Answers TO FARM QUESTIONS

Conducted for Farmers Mail and Breeze by  
A. H. Leidigh, Department of Farm  
Crops, Kansas Agricultural College.

### When Listing May Be Preferable.

I have plowed my land for corn this spring but everybody lists here. What would be your advice as between listing corn and surface planting? It gets pretty dry here.  
—J. M. Sanderfer, Elgin, Okla.

I believe you can get valuable advice on this subject from your Experiment Station at Stillwater, Okla. Results obtained in Kansas are under different conditions from yours. Ordinarily, on a dry loose soil, listing gives as good or better crops of corn than plowing. Listing is somewhat cheaper than plowing, and listed ground will not blow as badly as plowed ground.

A. H. Leidigh.

### Almost No Protection Against Weeds.

Are there any laws in Kansas to protect a man against his neighbor who has bad weeds and lets them go to seed? For instance, not more than 20 rods from my farm is a bad patch of Canada thistles which are spreading rapidly. The owner of the farm lives in California and is making no fight to get rid of these weeds. On another side in our line fence is a patch of bindweeds which are spreading along the line and out in the fields. I cannot successfully fight them as you know unless he does too, which he will not do. What can I do in this case?—L. J. S., Brown county, Kansas.

We have seed laws in Kansas which apply to the Russian thistle and Johnson grass. A very comprehensive seed law which the college placed before the legislature this last session was killed.

A. H. Leidigh.

### What Variety of Kafir Is Best?

What variety of Kafir would be apt to do best in this part of the state?—C. A. B., Coffey county, Kan.

Ordinarily we advise the use of Black-hull White Kafir. The variety with the reddish white hull was brought out by the Experiment station at Hays a few years ago and has become very popular through the west-central part of the state. When using good seed, from 5 to 8 pounds per acre is enough where you grow the crop for grain. On rich land in the eastern part of the state where you desire fodder, you may use from 1/2 to 1 bushel of seed per acre in rows, or 2 bushels per acre when drilled for hay. Some of our best yields of Kafir have been obtained with only about a quart of seed per acre. We have no Kafir for sale at this time.

A. H. Leidigh.

### Pasture Grasses for Creek Bottom.

What kind of grass would do best on land that overflows? Will it do well under trees if they are not too thick? Some of this ground has stumps in it and I want it for pasture land. How can I kill the stumps? Will it injure the grass to pasture it the first year?—R. T. H., Norton county, Kansas.

I am asking to have sent to you under separate cover our Bulletin No. 175 on grass. You will probably find a mixture made up of 16 pounds Bromus inermis and 10 pounds of Orchard grass will be successful under your conditions. Unless these grasses make an extremely satisfactory growth this spring, I should not advise you to pasture them. If, however, a growth has been made, it may be pastured lightly after the middle of August.

Perhaps the most inexpensive way to kill the stumps on this land would be to "spud" or remove sprouts one or two times during the summer. Another method would be to girdle these stumps below several vigorous sprouts and let the sprouts grow. The idea of this is that the sprouts will gradually kill the root.

A. H. Leidigh.

### When Seed Alfalfa in N. W. Kansas?

When is the best time to sow alfalfa when there is danger of the grasshoppers working on it in the fall? The ground is foul with Russian thistle and weeds. What would be the best way of preparing this ground and would you advise broadcasting or drilling the seed?—B. F. Hunkhaus, Rooks county, Kansas.

In your part of Kansas, I should advise seeding alfalfa at any time during April, May, June, or July if you have an abundant supply of moisture and have available a piece of well prepared clean ground. You may seed as late as August 15 some years, but ordinarily we advise seeding early in that part of the state. We never advise seeding

when the supply of moisture is not abundant.

Where the ground is foul with weeds or where there is some danger of the soil blowing, I should start a rough cheap preparation of this ground either in the fall or in the spring, preferably with the lister. Later in the spring as the winds decrease and more moisture is available the land should be leveled down, the weeds killed, and the crop seeded on a good, firm, well settled seedbed. Great care will be necessary not to harrow or otherwise work this ground too much while it is too dry. I do not mean of course, to work it when it is too wet. If you will follow some such method of planting your alfalfa after you have killed the weeds, I believe you will get a stand in all but the driest years. If there are no bad weeds present, you could plant much earlier. On a well settled seedbed where there is plenty of moisture, you may be able to save from 3 to 5 pounds of seed by drilling. Do not cover the seed very deeply, however.

Where grasshoppers are troublesome our farmers make a mistake in not beginning to combat them early in the season. I would suggest that you write to the department on entomology of the Kansas Agricultural College, Manhattan, Kan., relative to best methods for doing this.

A. H. Leidigh.

### Plant Cowpeas in May or June.

What time of the year should cowpeas be planted? Please explain method of cultivation, method of curing for hay, yield per acre and what variety of seed do you consider best when planted alone for hay?—E. C. R., Doniphan county, Kansas.

I am sending you Bulletin No. 160 on cowpeas. Cowpeas should be planted after the ground has become thoroughly warm. In your location this will be late in May or in June. They may be planted either with the grain drill at from 45 to 60 pounds of seed per acre and not cultivated, or they may be planted at about 25 pounds in rows and cultivated. The yields of hay will vary from about 1 1/2 to 3 tons per acre. The hay is cured by wilting, or cured in the windrow or shocks. It is not easily cured. If the leaves are not shattered off badly, the hay will be almost as rich in food value as alfalfa and richer than clover hay. We advise the use of the Whippoorwill or the New Era varieties. You can probably obtain seed at \$3 per bushel or less. The crop is a leguminous crop and is a very valuable one on account of its beneficial effects on the soil. Besides being used for hay, it may be plowed under green.

A. H. Leidigh.

### Better To Divide This Pasture.

I have a pasture in which there is some timber. The native grass is badly killed and full of weeds. I sowed Bermuda, White clover, bluegrass and Japanese clover last year but saw little return from it. I am thinking of sowing Johnson grass on this field. Is it injurious to stock after frost? Any advice you can give on the pasture question will be gladly received.—S. S. W., Montgomery county, Kansas.

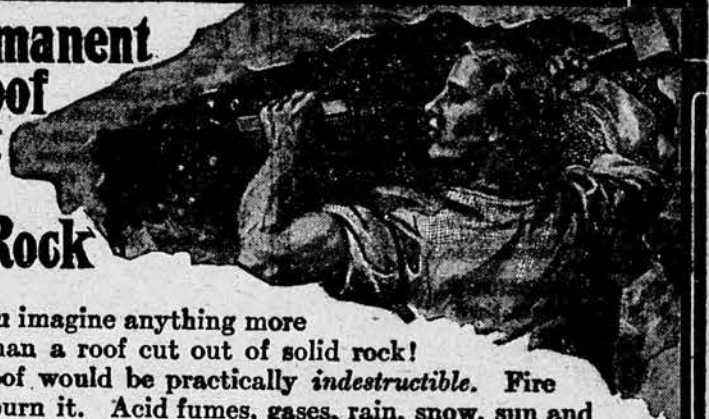
You have a piece of pasture in a very bad condition. You cannot expect to get best results with it and pasture it at the same time. Orchard grass, Kentucky bluegrass, Japan clover and Sweet clover are undoubtedly your best tame pasture plants. Your native as well as your tame pasture will continue to run down and will also fill up with weeds where they are over-pastured, and badly tramped, and subject to all manner of abuse and given no care or rest. A given pasture will carry more stock and remain in better condition if cut into two pieces and the stock changed frequently from one part to the other.

We have a very stringent law in this state which prohibits selling or buying, planting or allowing Johnson grass to grow. We receive inquiries continually from people in your part of the state asking how to get rid of this weed. I advise you not to sow it. Johnson grass will produce poisoning in cattle and hogs the same as any other sorghum when the conditions are such as to cause poisoning. I am asking to have mailed you under separate cover Bulletin No. 175 on grasses.

A. H. Leidigh.

I cannot get along without the good old Mail and Breeze. Please find \$1.10 for paper and knife. If the knife is as good as the paper it is a dandy.—O. B. Feagans, Simpson, Ill.

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## ORCHARD & GARDEN

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The season for grape pruning is past. Cheap seeds usually cost most in the end.

Blackberries do best in a cool, moist soil where the roots can feed freely.

By setting out beets and turnips from the cellar now, you can raise your own seed.

For an early tomato in this part of the country, Chalk's Early Jewel is hard to beat.

Work in the potato patch may begin as soon as planting is finished. Use the harrow first.

Not much use treating seed potatoes for scab if they are to be planted in the same ground where the crop was scabby last year.

Two eyes to the piece is the right way to cut seed potatoes but have the piece large enough so as to give the sprouts a good start.

In setting out trees the holes should not be dug too far in advance. The sooner the tree is set after digging the hole the better the start it will make.

If the rhubarb bed is several years old this month will be a good time to renew it. Dig up part of the roots, split them and reset. Next spring there will be a healthy growth of large shoots.

### Orchard Owners Are Waking Up.

One of the busiest field men sent out by Kansas Agricultural college this spring is George O. Greene, horticulturist of the college extension service. His time is booked for practically every day until June. Where there were few spraying outfits in use four years ago, Mr. Greene is now finding hundreds and more will be bought this season. A second man, Fred Merrill of the college entomology department is to assist in the spraying and orchard demonstration work. The services of these men are furnished free except their traveling expenses which are prorated among the orchardists visited.

### Grow Plum Trees With Poultry.

[Prize Letter.]

Mr. Editor—Plum trees are better than any other fruit to plant in a poultry yard. Plum trees are more subject to the attacks of insects than other kinds of trees. Curculio sting the plums and they fall to the ground, then the birds pick these insects out of the plums before they go into the ground to reproduce themselves. In this manner both the hens and the plum trees are benefited. Plum trees will grow and bear best where poultry is pastured so will almost all other kinds of fruit trees. It is also well to have them run in raspberry and blackberry patches, but they should be kept out when the fruit begins to ripen. Fruit and poultry go together.

Jacob Faith.

Eldorado Springs, Mo.

### Onion Growing For Market.

Mr. Editor—The onion thrives best in a cool, moist soil which is easily kept in a mellow condition. Such soils are confined mostly to river bottoms. Heavy soils are not suitable because it is difficult to make a good seed-bed, and the surface is likely to bake and crack, much to the injury of the young plants. On such soils a large per cent of scullions usually results. The land for onions should be heavily fertilized with well-rotted stable manure and plowed in the fall or very early in the spring; it is then put in the very best condition possible for planting.

The onion seed should be sown early, much of it being planted in March, and all should be in the ground by

April 10. Early seeding is necessary, for the reason that the bulbs should make most of their growth before hot weather comes on. The seed is sown about 1 inch deep with hand drills, using from 3½ to 4 pounds per acre. Most growers try to plant the seed so that the plants will be 1½ inches apart, so as to avoid thinning.

Cultivation and weeding is begun by hand as soon as the plants appear above the ground. The hand wheel hoe is used, but the thinning and some of the weeding must be done by hand.

W. Paddock.

Colorado Experiment station.

### Planting a Home Grove of Catalpa.

Please advise me if the enclosed seeds are the true catalpa speciosa seeds or other varieties. Is it advisable to plant catalpas for timber, and how may I prepare the seed to plant a home grove?—C. E. S., Kingman county, Kansas.

I have examined the four specimens of catalpa seed which you submit. Samples No. 1 and No. 2 both show strong markings of the catalpa speciosa. I consider No. 2 the better. Samples No. 3 and No. 4 are either the common catalpa or a hybrid of it. They show no markings whatever of the Speciosa. I am sending to you under separate cover Circular No. 20 which describes in detail the method of growing catalpa seedlings. This is too lengthy a subject to attempt to answer either by letter or through the columns of the Mail and Breeze. Any one interested in securing a copy of this bulletin can get it on application.

Chas. A. Scott.

State Forester, Manhattan, Kan.

### Forcing Hill for Early Cucumbers.

Mr. Editor—A device sometimes used in securing early melons or cucumbers is a forcing hill. The forcing hill is a cold frame reduced to one plant or hill. Simply take the top and bottom out of a square box of convenient size and place it around the hill in the fall. The inside of the box is filled with litter or straw and the outside banked thoroughly with any refuse to keep the ground from freezing. When it is desired to start the plants, the litter is removed from both the inside and outside of the box and hot manure is piled around the box to its top. If the weather is still cold a pane of glass may be placed on top of the box.

There are numerous other types of forcing hills. One that should be avoided is the practice of digging a hole in the garden, say 8 or 10 inches deep, setting the plant in the bottom of this hole, then placing a piece of glass over the top. This puts the plant in the coldest soil and soil that is usually poor in plant food.

Columbia, Mo. R. H. Benton.

### Setting Trees for a Windbreak.

I am sending you a small piece of evergreen and would like to have you tell me what variety it is. I have a row of them set 4 feet apart on the north side of my feedlot. They have made a good start so far. W. A., Harvey county, Kansas.

The specimen of evergreen enclosed in your letter is the Chinese arbor vitae. They are without doubt one of the very best evergreens for ornamental or windbreak planting in your section of the state. For windbreaks, I would prefer to plant two or three rows. These should be at least 6 feet apart and the trees may be spaced from 4 to 6 feet apart in the row. The trees in one row should alternate with the spaces opposite the trees of the adjoining row. In a very few years they will make a solid wall of foliage from the ground to the height to which they grow.

The Chinese arbor vitae is a tree that should attain a height of at least 40 or 50 feet in your section of the state. The success that you had with them last year certainly indicates that they are a tree that is easy to grow and that you understand how to handle them.

Chas. A. Scott.

State Forester, Manhattan, Kan.

All the indications now are that Missouri's peach crop, especially that in the famous belt, will be a record-breaker. So confident of a bumper yield are the big growers that they are already making preparations for the annual peach carnival, at Brandsville. The date of the carnival is announced as July 29.

If you need anything not advertised in this issue of Farmers Mail and Breeze, write us and we'll tell you where you can get it.

## SEED CORN

Plant the best. I have Boone County White, Hildreth's and Reid's Yellow Dent. Carefully selected, thoroughly tested, and graded. Write for prices and samples. I sell only my own growing. Money back if not satisfactory upon receipt of shipment.

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This wonderful EVERGREENING Tree Raspberry is a valuable variety, nothing like it grows; a strong handsome bush, heavily loaded with berries and should be grown in every garden in the country. It yields a crop of fruit in May, and continues to produce from July 4th and continued to produce ripe berries until the end of October. The berries are large and beautiful, as large as the largest Red Raspberries, brilliant crimson color, firm, and the flavor is just what you want on a hot day. The plants are so easy to grow that even a beginner can grow them. Write for a full description of this plant, and we will send you several dollars in any garden, and we want every reader of this paper to try them. Strong plants which we guarantee to be in garden, 15¢ each, ready to set in garden, 15¢ each, postpaid.



## Beauty in the Home Yard

BY C. S. HARRISON.

[Written for Farmers Mail and Breeze.]

THE yard is like a porch to a house, a kind of introduction to the farm. What would you think of a fine house with a tumbledown, shanty for a porch? A man pays out thousands to



C. S. Harrison.

build a house, another thousand to buy furniture, but when it comes to the yard which should set off the farm in first-class style, the purse strings are tied in a hard knot. The minute you begin to use a piece of furniture it begins to depreciate in value, while your trees, shrubs and perennials grow in value with a bound. I know of two instances where men refused \$100 each for Colorado silver spruce that cost \$2 apiece at first. So with other trees and shrubs. Put \$50 in the front yard and it will soon add \$1,000 to the value of the farm.

Take lilacs for instance. There are 150 varieties of them, some of them marvels of beauty. A majestic lilac can be bought for \$1 but when this is mentioned, up go the hands in holy horror. "A lilac is a lilac and I can get all I want over at the neighbor's for nothing." So he can, and sets out a cheap scrubby thing that spreads all over the place like a Canada thistle. The purple-leaved Norway maple makes a wonderful tree and it can be bought for \$2. In 20 years it is easily worth \$100, but says our man again: "You can't fool me. A maple is a maple and I can get a good soft maple any time for a quarter." And so he bungles up an otherwise beautiful spot of ground.

Start regardless of cost, care for your shrubs and trees, then watch them grow. York, Neb.

## A Red Cedar Catechism

ANSWERS BY C. A. SCOTT, State Forester of Kansas.

- (1) Does the Agricultural college have Red cedar seedlings for sale?
- (2) Is the Red cedar injurious to apples if planted near them?
- (3) Is the foliage of the northern cedars a brighter green than that of the southern cedars? Will the northern cedars stand the hot, dry weather of Kansas as well as the southern cedars?
- (4) Do you consider the cedar as hardier than the Jack, Scotch, and White pines for southern Kansas?
- (5) Which is best for evergreens, mulching or cultivation?
- (6) Is the Carolina poplar the same tree as the wild poplars growing in Indiana, and Ohio, and highly prized for lumber?
- (7) What name does the southern pine have when spoken of as an ornamental tree?—W. B. Crawford county, Kansas.

(1). The state forest nursery located at Hays, Kan., offers forest trees of suitable size for planting to the people of Kansas at cost of production. Among our stock this year we have a considerable number of 2-year-old transplanted Red cedars that we are offering at \$8 per hundred, f. o. b. cars. These are carefully packed, and if not delayed enroute, will reach the purchaser in good condition.

(2). The Red cedar is subject to attack by the fungus disease known as "cedar apple." This fungus appears in a second stage on the leaf of the apple tree in the form of rust, and also on the fruit as apple scab. I never recommend planting the cedars near an orchard for this reason. However, I have been assured by a number of horticulturists that there is little danger from injury to orchards from this source on account of the fact that the orchards must be sprayed in order to hold other fungus diseases in check, and when spraying for one fungus, the spray kills the spores of all that may be on the trees at the time.

(3). There is a slight difference in color between the foliage of the southern Red cedar and the western Red cedar. By the western Red cedar I mean the Rocky mountain form of our cedar. The foliage of this tree is more of a bluish tinge and does not turn a rusty brown during the winter months. Other than this the trees are practically the same.

(4). I consider the Red cedar much hardier than any of the pines except the western Yellow pine for western Kansas conditions, but your conditions

in southeastern Kansas are very favorable for tree growth and I have no doubt that there are other trees just as hardy in your section of the state as the Red cedar. The Blue spruce, the Concolor fir and the Douglass fir are all making a good growth here at Manhattan. The Blue spruce is hardier than the other two.

(5). I consider cultivation far more preferable for evergreens than mulching.

(6). The Carolina poplar is not the same as the yellow poplar of Ohio and Indiana. In my opinion, the Carolina poplar is a distinct form of our cottonwood. The poplar of the eastern states is the tulip tree.

(7). The only common names that I know of for the southern pine that may be planted for ornamental purposes in your part of the state are the short leaf and Loblolly pines. Both of these are known in the lumber market as southern Yellow pine. They are seldom used for ornamental planting. I suspect that you see more of the Austrian pine in your section of the state than any other species. The Scotch pine should also be a good tree with you and possibly also the White pine.

## Strawberries For Everybody

BY ALBERT DICKENS, Kansas Agricultural College.

Mr. Editor—Almost any soil may be put in condition for strawberries but they do best on a light loamy soil. The ground should be plowed thoroughly or spaded at least 8 inches deep and some good manure worked into the soil. The plants may be obtained from almost any nurseryman or truck gardener.

Spring is the best time to set out the plants although they may be transplanted with safety almost any time. A bed set out in the fall is just as expensive to care for as a bed set out in the spring that will produce a crop the next year.

If you have but a small amount of ground for your strawberry bed, a greater quantity and finer quality of berries may be grown by the hill system. Set the plants 18 inches to 2 feet apart each way and allow but three or four plants to set at every hill. Be sure and keep the runners well cut off after these few plants have been established. Frequent and thorough cultivation by hand results in a few strong, large plants producing an abundance of fine fruit for every plant. This system has been used very successfully at the Agricultural college.

The blossoms of many varieties are imperfect, lacking the stamens, and it is necessary to plant near these some variety that will produce an abundance of pollen and that will bloom during the same season. The imperfect varieties are more productive, less uneven, and many are superior for shipping. In small beds one row in four should be of the perfect flowered sort and it is better to use two or more perfect kinds with one imperfect.

## Thin or Transplant Onions?

[Prize Letter.]

Mr. Editor—In a recent Mail and Breeze someone advised drilling onion seed with a garden drill. That is all right but we have found that it saves time and labor to plant the seeds in hotbeds, then transplant in the open ground. The transplanting is done when the plants have about reached the thickness of the small end of a pen holder. Plant after a rain.

One man can transplant more in a day than he can thin out and weed. Transplanting is no snap but it is not as tiresome and slow as thinning. We make the rows 14 inches apart, leaving out every sixth row for walking. Plants are set out 3 inches apart. It would take four or five 6 by 12 foot hotbeds to grow enough plants for an acre of onions. By transplanting you get ahead of the weeds as you can have the ground clean when planting is done, and if needed, cultivation may follow as soon as ground is dry.

We have grown onions on new timber soil, red clay, and black soils. The black soil has yielded immense crops in comparison with the others. The clay did poorly while the timber soil made a fairly good yield. Ray Gragny.

R. 3, Kansas City, Kan.

## Spring's Here— Spruce Up Your Lawns

It's time to cut the grass around your house and outbuildings—time to trim and mow and spruce up your lawn and surroundings. Here are the tools you need—grass scythes, lawn trimmers, lawn mowers, hay forks, etc.—all members of the famous Keen Kutter family

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## CROPS and FARM WORK

**Growing Weather and Moisture are Bringing Out Early Crops in Fine Condition—Wheat Still Making Good Headway—A Scarcity of Stock for Pastures but High Pasture Rates Prevail—Preparation for Corn Planting Under Way**

(Crop Reporting Service of Farmers Mail and Breeze.)

Sure enough spring weather and a good supply of moisture in the ground have started off all vegetation with a jump. Wheat, alfalfa and grass have made a particularly good showing the last few days. Contrary to first reports, wheat did not suffer any appreciable damage from the cold wave of last week. However, many exposed fields have suffered from blowing, in western Kansas and Oklahoma. In Grant county, Oklahoma, the crop is still being pastured to keep it from growing too rank. Reports of Hessian fly damage are confined to northeastern Kansas this week.

A good pasture season is in prospect and equally good prices will be charged for it in spite of the shortage of stock. In some southeastern Kansas counties contracts have been made at \$7 and \$8 per head. C. H. Feerer of Atchison county says many farmers haven't enough cattle to fill their own pastures.

In northern Kansas oat seeding is being finished this week and preparations for corn planting are well under way. A better season in the ground could hardly be asked for for either crop, at least in the eastern portion of Mail and Breeze territory.

According to a report from Marshall county, Kansas, fall sown alfalfa has not fared very well in that part of the state. About a third of the fall sowing has been winterkilled.

"More thorough and better farming" is the slogan in Marion county, Kansas, this spring, according to Reporter Heyland.

### KANSAS.

**Saline County**—Wheat in excellent condition. Spring work on in earnest. Some oats and alfalfa put in. Good many silos to be erected this summer.—G. W. Holt, March 29.

**Morton County**—The last two weeks of wind have caused every broken field to blow terribly. Outlook for barley is discouraging at present. The snow of last week drifted badly.—Mrs. M. McGee, March 25.

**Stanton County**—Not much farming done yet on account of dry windy weather. No fat or stock hogs for sale. No corn on market. Milo 60 cents per 100 pounds. Kafir 15 a little higher. Eggs 10 cents, butter 15.—G. S. Greger, March 24.

**Clay County**—Oat seeding progressing slowly on account of cool, wet weather. Wheat is doing extra fine but there has been some complaint that some has frozen out. Most farmers getting ready to plant potatoes.—H. H. Wright, March 30.

**Osborne County**—The past week has been cold and windy. Some wheat fields have blown badly. With rain soon wheat will be all right. Few oats sown yet and no potatoes planted. Plenty of roughness for stock until grass comes.—W. F. Arnold, March 28.

**Sheridan County**—Considerable rain and wind at Easter time. Thermometer reached 12 degrees above this week. Winter wheat seems to be in perfect condition. Some barley sown before the late freeze. Farming at a standstill now.—R. E. Patterson, March 24.

**Greenwood County**—Weather cold and cloudy. Farmers busy plowing and some are sowing oats. Stock in good shape. Pasture leased this year at \$7 to \$8 per head. Corn shipped in at 53 cents. Seed potatoes 90 to \$1. Eggs 14 cents.—C. E. Moore, March 24.

**Stevens County**—Weather still cold and dry. Most oats and barley sown. Late sown winter wheat coming up. Ice forming almost every night. Farmers doing considerable blank listing. Cattle doing well as there is plenty of feed.—Monroe Traver, March 26.

**Lincoln County**—Wheat looking fine and green. No reports of flies yet. Very windy last week and thermometer reached 8 above one morning. Cattle selling very high but horses getting cheaper. Wheat 73 cents, corn 50, eggs 14, butter 23.—E. J. G. Wacker, March 24.

**Leavenworth County**—No oats sown on account of cold, wet weather. Wheat looks pretty good but has some flies in it. Lots of feed still in the country and a good deal of corn to sell yet. Farmers raising a good crop of spring pigs. No farms selling.—Geo. S. Marshall, March 29.

**Marshall County**—Wheat still all right so far but the thawing and freezing are hard on it. About a third or more of fall sown alfalfa winterkilled. Spring work late and will not begin until about April 1. Cold weather has made rough feed somewhat scarce.—F. G. Stettinisch, March 27.

**Trego County**—Cold, dry weather with bad dust storm March 23. Oats sown and disking and plowing for corn in progress. Wheat looks bad. All stock nice and fat and lots of rough feed going to waste. Good crop of calves coming. Many new comers hunting places to rent.—E. L. Dean, March 26.

**Shawnee County**—Wheat greening up and alfalfa has started. Oats nearly all sown.

Cleaning up corn ground is the order at present. Several hay barns blown down and other buildings moved off foundations in storm last week. Some corn going to market at 45 cents. Wheat 75, eggs 14.—J. P. Ross, March 29.

**Scott County**—Four inches of snow March 25. High winds and cold weather delaying farm work. Some spring crops planted. Fire did some damage in south part of county on March 23. Some cattle shipped in from Texas. Milk cows high. Hogs scarce. Horses selling at good prices.—J. M. Helfrick, March 29.

**Graham County**—Easter Sunday was hard on young wheat. Some blown out. Prospects still fair. Farming has begun and some oats sown. Potatoes planted on Good Friday were scarce. Disking the order of the day. Stock doing well but are high and scarce. Many fatalities on stalks this winter.—C. L. Kohler, March 28.

**Pottawatomie County**—Weather cold for March with a hard freeze every night. No farm work begun yet. Plenty of roughness for stock. More sales through the winter than ever known before. Cows brought \$40 to \$90 and horses sold high too. Hogs \$7.50, corn 55 cents, potatoes 90, cream 32, eggs 15.—W. H. Washburn, March 27.

**Barber County**—Wind and dust until you can't see over to the closest neighbor. Freezing weather every night. Wheat looking the best in years. Rather large acreage of oats out. All stock doing well and never sold so high before. Some potatoes planted and gardens made. Corn 50 cents, Kafir 45, oats 50.—G. H. Reynolds, March 29.

**McPherson County**—Wheat in fairly good condition although the March winds put some fields out of business. Some oats sown. Stock came through winter in good shape and plenty of feed still on hand. Hog cholera all over county and some farmers have lost entire herds. Spring pig crop will not be big.—John Ostlund, Jr., March 26.

**Lyon County**—No signs of early spring in spite of ground hog and early Easter. Most wheat fields look very promising. Not much oat sowing done yet. Ground soaked and when weather warms up everything will grow fast. Plenty of feed and stock doing well. Good prairie hay \$7 to \$8, loose alfalfa \$10 to \$11, corn 50 to 55, Kafir 45 to 50, eggs 15.—E. R. Griffith, March 28.

**Gray County**—Spring work well started and oats and barley about half sown. Early sown wheat looking fine and late sowings beginning to show up well. Ground in excellent condition. Feed plentiful and stock is in good condition and selling high. Many land buyers coming in to locate on Santa Fe cutoff. Corn 40 cents, Kafir 35, butter fat 30, eggs 14.—A. E. Alexander, March 29.

**Doniphan County**—Three weeks of bad weather has held farm work in check. No oats sown or potatoes planted. Wheat looks fine. Peaches badly damaged but other fruit promises well. A carload of sprayers received at Troy last week. Hog cholera has about died out. Few hogs left in the county. Spring pigs arriving. Quite a lot of grain going to market.—C. Culp, Jr., March 29.

**Rush County**—High winds and cold weather the last two weeks. Wheat blown off in fields where stubble was burnt or ground disked. Stubble fields look well. Some plowed ground badly damaged by blowing. Oat sowing nearly finished and preparations for corn planting under way. Larger acreage of Kafir and milo to be put out than usual. Many silos to be built.—J. F. Smith, March 29.

**Harper County**—Wheat in good condition but needs a little rain to help it along. Oats coming up but acreage not as large as last year. Farmers busy preparing corn ground. Not as much corn and Kafir to be put out as so much wheat was sown last fall. Rough feed scarce, except straw. Grass has not started yet but stock still doing fine. Wheat 76 cents, oats 40, corn 47, Kafir 38.—H. E. Henderson, March 29.

**Atchison County**—Windy weather all month. Few oats sown and many still have their ground to prepare. All field work at a standstill for three weeks. Ground too wet to work now. Many farmers believe the erratic weather has destroyed many chinch bugs. Wheat in fine condition and most fall sown alfalfa is promising. Hog cholera still prevalent in spots. Few spring pigs. Many farmers haven't enough cattle to fill their pastures.—C. H. Feerer, March 27.

**Marion County**—Plenty of wind and ground getting dry. All ground, especially fall plowing, is blowing the worst in years. About average acreage of oats sown. Cattle in good condition with plenty of feed until grass comes. About usual crop of spring pigs coming on. Many silos to be built this summer—most of them concrete. More thorough and better farming, the slogan here this spring. Kafir acreage to be increased. Hogs \$8.60, hay \$9, oats 40 cents, corn 50.—H. R. Heyland, March 29.

### OKLAHOMA.

**Kingfisher County**—Had worst snow storm of winter March 26. Fruit all right yet. Some oats up. A few gardens planted. Plenty of feed. Alfalfa \$10, prairie hay \$6 to \$7.—H. A. Reynolds, March 29.

**Hughes County**—Oats looking fine. Plenty of wind this spring. Some corn planted but we think there is still time enough for that. Alfalfa is 3 inches high. Plum and peach trees in full bloom and we are looking for a big fruit crop.—Albin Haskett, March 24.

**Garvin County**—Heavy local showers March 24-25 changed to a 12-hour hail, sleet, and snow storm. Two inches of snow knocked off corn planting. Outside stock suffered and fruit was damaged in exposed

places. Some blind staggers and heaves among horses. Horses and work mules in good demand. Hogs dying of cholera. No stock hogs. Milk cows bring \$60 to \$75.—H. H. Roiler, March 27.

**Woodward County**—Plenty of wind but most wheat is large enough to be protected. Quite an acreage of oats sown. Some disking and blank listing done. Feed none too plentiful. Hogs \$8, corn 45 cents, Kafir 35, eggs 12.—Geo. L. Boswell, Jr., March 29.

**Pottawatomie County**—Farmers through sowing oats and some corn planted. Alfalfa seeding finished. Had 4 inches of snow March 25. Farmers about through breaking and some ready to plant cotton. Large acreage of corn and cotton to be planted this spring.—L. J. Devore, March 27.

**Texas County**—Wheat and barley need rain. Both crops have been damaged somewhat by wind and dry weather. Farmers are blank listing for spring crops. Many farmers who left the county last year are returning to start over new. Hogs \$7, cane, Kafir, and milo 60 cents per 100 pounds, cream 31, eggs 11.—Frank Free, March 29.

**Grant County**—Spring is cold and backward. Snow drifts still a foot deep. Wheat looks grand and oats are showing a good stand. Some wheat still being pastured to keep it from growing too rank. Some gardens up but not growing. A few orchards and groves killed during the dry years are being reset. Horses, cattle and hogs in great demand.—A. C. Craighead, March 28.

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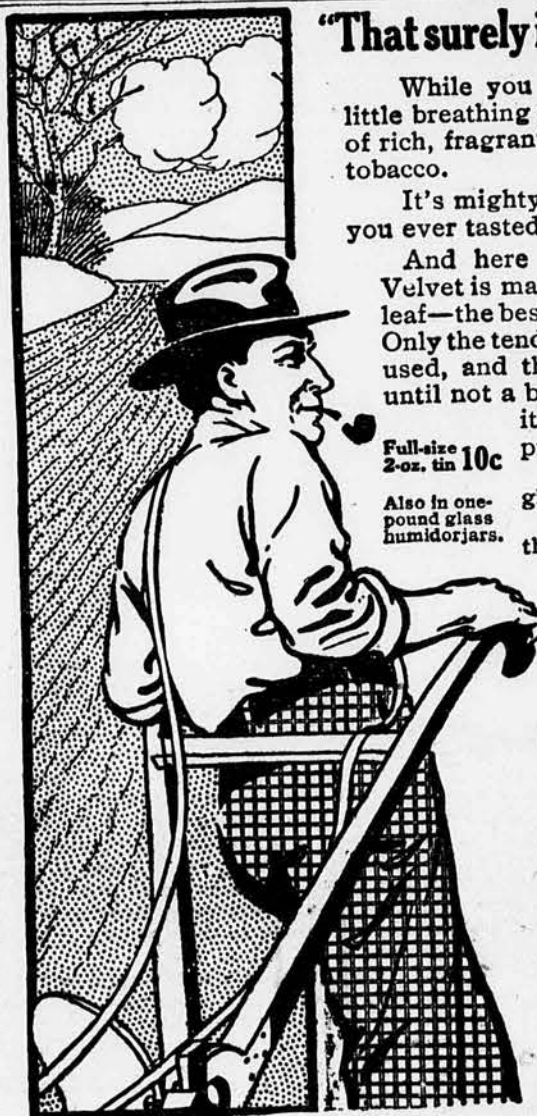
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While you are giving the team a little breathing spell, light up a pipeful of rich, fragrant Velvet—the smoothest tobacco.

It's mighty fine! The best tobacco you ever tasted.

And here is why it is so good. Velvet is made of the choicest Burley leaf—the best pipe tobacco that grows. Only the tender, ripe middle leaves are used, and these are aged and aged until not a bit of bite remains. Then it's packed in a moisture-proof tin that keeps it good.

Velvet is a smoke that will gladden the heart of any man. Don't go another day without this splendid tobacco. You want the best. Get Velvet.

Liggett & Myers Tobacco Co.



### WIND POWER

for pumping is uncertain—hand power for sawing is drudgery—both are slow and expensive. A

### Rumely-Olds Engine

will give you power at low cost. You save a lot of time and work, and power is ready when you want it. Then your Rumely-Olds is ready for a hundred jobs—an every-day money-maker. Easy to run—easy to handle—comes portable, stationary or skid-mounted—1½ to 65 h.p. A small size attached to a

### Rumely Pump Jack

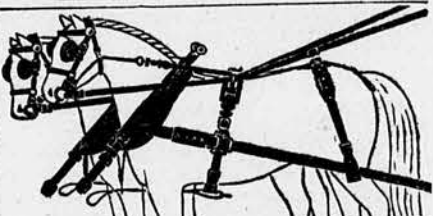
pumps water for you at low cost, quickly, and when you want it. Then hitch it to a

### Rumely-Olds Saw Rig

and lay in a handy supply of wood in spare moments. You can't imagine how many ways you can use this engine till you have one.

Send for Data-Books—on the Rumely-Olds Engine, No. 344; on Rumely-Olds Saw Rigs, No. 461; on Rumely Pump Jacks, No. 436—ask the name of our nearest dealer.

**RUMELY PRODUCTS CO.**  
(Incorporated)  
Power-Farming Machinery  
Wichita Ks., Lincoln, Neb.  
Kansas City, Mo.



### I Can Save You \$10 a Set on Harness

Bridles ¼ inch; lines 1½ inches, 18 feet long; hames steel bound, ball tops, Concord bolt; traces 1½ inches wide; breast straps 1½ inches wide; Moline pads. Price less collars, \$26.65. Write for Free Harness and Vehicle Catalogue.

A. C. Little Harness & Vehicle Co., Concordia, Kan.



## Warranted to Give Satisfaction. Gombault's Caustic Balsam



### Has Imitators But No Competitors.

**A Safe, Speedy and Positive Cure for**  
Curb, Splint, Sweeney, Capped Hock,  
Strained Tendons, Founder, Wind  
Puffs, and all lameness from Spavin,  
Ringbone and other bony tumors.  
Cures all skin diseases or Parasites,  
Thrush, Diphtheria. Removes all  
Bunches from Horses or Cattle.

As a Human Remedy for Rheumatism,  
Sprains, Sore Throat, etc., it is invaluable.  
Every bottle of Caustic Balsam sold is  
Warranted to give satisfaction. Price \$1.50  
per bottle. Sold by druggists, or sent by ex-  
press, charges paid, with full directions for  
its use. Send for descriptive circulars,  
testimonials, etc. Address  
The Lawrence-Williams Co., Cleveland, O.

## CANADA'S OFFERING

To The Settler

The American Rush to Western Canada is increasing. In the new Districts of Manitoba, Saskatchewan and Alberta, there are thousands of Free Homesteads left, which to the man making entry in 3 years' time will be worth from \$20 to \$25 per acre. These lands are well adapted to grain growing and cattle raising. Excellent Railway Facilities. In many cases the railways in Canada have been built in advance of settlement, and in a short time there will not be a settler who need be more than ten or twelve miles from a line of railway. Railway Rates are regulated by Government Commission.

**SOCIAL CONDITIONS.** The American Settler is at home in Western Canada. He is not a stranger in a strange land, having nearly a million of his own people already settled there. If you desire to know why the condition of the Canadian Settler is so prosperous write to any of the Canadian Government Agents and send for literature, rates, etc., to

Canadian Government Agent  
125 W. 9th St.  
Kansas City, Mo.

or address Supt. of Immigration,  
Ottawa, Canada.

**GUS PECH**  
Foundry and  
Manufacturing Co.  
Manufacturers of  
The Celebrated  
Monitor Well Augers  
and Drills  
Write for prices and  
illustrated catalog.  
Dept. A.  
Le Mars, Iowa  
U. S. A.  
Branch House  
Regina, Sask.

**Our Farmers' Cattle Knife**  
**Free**

This Farmers' Cattle Knife is a beauty. It has one large scimitar, one spaying and one congress blade; Extra quality steel, double German Silver bolster and shield, brass lined, stag handle. This beautiful useful knife will be sent you FREE, postpaid, for securing only four 3-months subscriptions to the Mail and Breeze at the regular rate of 25 cents or we will send you our paper one year for \$1.10 and the knife free as premium. We guarantee the knife and will return your money if you are not satisfied. We know you will like it as we have given away hundreds and have never had a complaint. This illustration is one-half actual size. Write today.  
**MAIL AND BREEZE**  
Topeka, Kansas

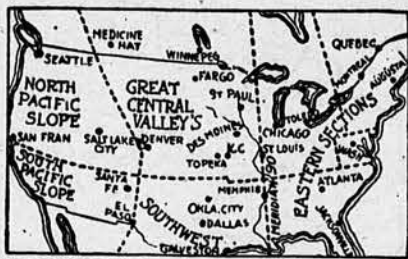


## FOSTER'S FORECASTS

(Copyright 1912 by W. T. Foster.)

Washington, D. C., April 5.—Last bulletin gave forecasts of disturbance to cross continent April 7 to 11, warm wave 6 to 10, cool wave 9 to 13. The worst of the storms will have come but the storm forces will still be above normal, therefore, while no one should have a nervous chill about it, better continue to be cautious throughout this month. One fortunate natural law prevails. Destructive storms seldom pass over the same sections except at long intervals and the places that suffered so greatly in February and March will probably be exempt for balance of 1913.

Next disturbance will reach Pacific coast about April 12, cross Pacific slope by close of 13, great central valleys 14 to 16, eastern sections 17. Warm wave will cross Pacific slope about April 12, great central valleys 14, eastern sec-



(For Better Understanding of the Forecasts.)

Broken lines separate map into eight great Valleys including the Northwest and Southwest, and Eastern Sections including the Lakes, the Northeast, the Southeast weather districts, named North Pacific Slope, South Pacific Slope, Great Central and Washington. The dividing line bisecting St. Louis is meridian 90.

tions 16. Cool wave will cross Pacific slope about April 15, great central valleys 17, eastern sections 19.

A northern cold wave, with unusually low temperatures, will precede this disturbance two or three days and about one day in advance of it the temperatures will go up rapidly. The storm forces will be greater than their general average but not so great as in the recent past.

During the first half of this month the rain forces will change and the locations of rainfall for the next five months will differ greatly from the locations of the rains for the past five months. Since August, 1912, we have continuously located the greatest rainfall on the eastern and western sides of the continent and the minus rains in the great central valleys. From April to August, inclusive, this year an entirely new arrangement of the rainfall may be expected.

April will average warmer than usual; coldest week of the month will center near April 13. This will vary about three days because the warm waves require about five days to cross the continent. In a similar way the weeks centering on April 6 and 24 will be the warmest of the month. Storms may be expected for several days centering on those dates.

### A Plea for More Practical Schools

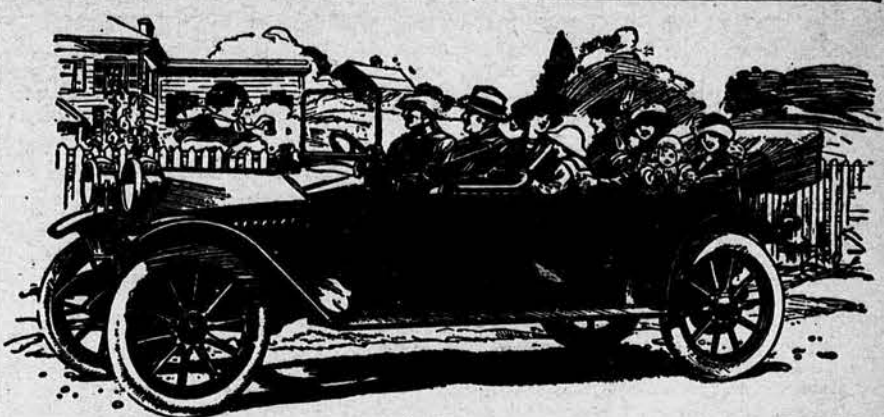
(Continued from Page 3.)

free schools until we have free textbooks.

Society is much like a pyramid; its stability depends upon the nature of its base, rather than upon that of its apex. To take an active part in the movement for properly training the thousands of Kansas young people who are growing into manhood and womanhood, is worthy of our most earnest endeavors.

Many of our most pressing industrial problems arise from a lack of proper educational facilities; our industrial supremacy and the success of our democratic form of government rests upon the intelligence, the moral caliber and prosperity of the great mass of its citizens. An industrial people which neglects these essentials must inevitably perish. We are making progress, but there are mountains to be conquered before we reach the high road of real reform.

Smooth, even, medium-sized potatoes make the best seed.



You want style and soundness  
in your car—you get them in the

*Hupmobile*

Style, good looks and quality in a motor car are as important to the farmer as to his city brother.

Granting that this is true, it is equally true that the Hupmobile is the one car of its class that compares—in style, good looks, and quality—with the largest and costliest.

Your automobile should justify the same pride in appearance and performance that you used to feel toward your thoroughbred driving horse and your snappy rig in the old days.

And the Hupmobile is a true thoroughbred.

You see it in every line of the car, you uncover it when you raise the hood, you see it in the car's performance on the road—in its power, its speed, its flexibility and its silence.

These characteristics are so pronounced that the Hupmobile has truly become the Car of the American Family.

It has broadened the social life of hun-

dreds—yes thousands—of families.

It will bring you and your family into closer contact with friends and neighbors; with the near-by cities; it will carry the family to church, to all the neighborhood frolics and parties—take you where you want to go—all at the most moderate cost.

And if the family numbers more than four, you can have the six-passenger Hupmobile at a slight additional price and an advance in upkeep that is scarcely noticeable.

You are familiar with gas engines and machinery—they've been part of your business for a long while—so you will appreciate Hupmobile quality and simplicity; and realize how easy it is to care for one at home.

No car—at any price—can give you more style and soundness than the Hupmobile, but many do give less.

Write for the Hupmobile catalog and the name of our nearest dealer.

Hupmobile "32" 6-pass. Touring Car (Illustrated), fully equipped, \$1200

F. O. B. Detroit, including equipment of windshield, mohair top with envelope, jiffy curtains, speedometer, quick detachable rims, two folding and revolving occasional seats in tonneau, foot rest in tonneau, rear shock absorber, gas headlights, Prest-o-Lite tank, oil lamps, tools and horn. Three speeds forward and reverse, sliding gears. Four cylinder motor, 34-inch bore and 5 1/2-inch stroke; wheelbase, 126 inches; 33 x 4-inch tires. Standard color, black. Trimmings, black and nickel.

"32" Touring Car, fully equipped,	\$1000 f. o. b. Detroit
"32" Roadster, fully equipped,	\$1000 f. o. b. Detroit
"20" H. P. Runabout, fully equipped,	\$ 750 f. o. b. Detroit

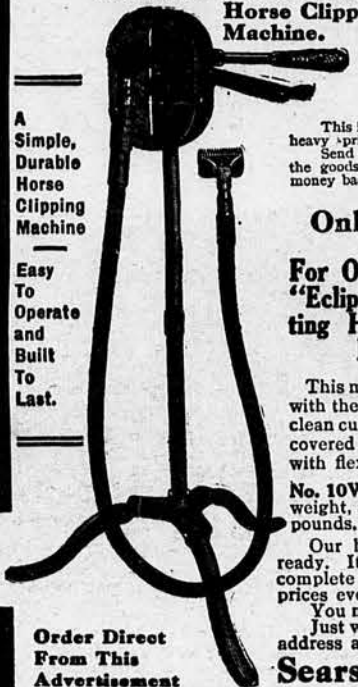
Hupp Motor Car Co., 1287 Milwaukee Ave., Detroit, Mich.

## Two Big Bargains

For Every Man Who Owns a Horse.

"ECLIPSE" Clean Cutting  
Horse Clipping  
Machine.

A Simple,  
Durable  
Horse  
Clipping  
Machine  
Easy  
To  
Operate  
and  
Built  
To  
Last.



Only \$750

For Our Guaranteed  
"Eclipse" Clean Cut-  
ting Horse Clipping  
Machine.

This machine is equipped with the improved Eclipse clean cutting head and hose covered flexible steel shaft with flexible chain.

No. 10W4680 1/2 Shipping weight, about 48 pounds. Price....\$7.50

Our handsomely illustrated Special Harness Catalog is now ready. It contains 80 pages, many in color, showing the most complete line of harness, saddlery and accessories at economy prices ever presented.

You need this book and we want you to have it. Just write "Harness" on a postal card and sign your name and address and we will send it postpaid.

Sears, Roebuck and Co., Chicago

"Hathaway" Single  
Buggy Harness

\$1368



Two articles of exceptional merit backed by the strong Sears, Roebuck and Co. guarantee and priced at astonishingly low figures.

This is just the time of year to overhaul your harness in preparation for the heavy spring work and to clip your horses. Send in your order today for either or both of these items, and we will ship the goods promptly allowing you full privilege to return them and get your money back if not satisfied in every particular.

Only \$1368

For Our Big Value "Hathaway" Single Buggy Harness with Nickel Buckles, Solid Nickel Hook and Terrets.

Blind bridle, 5/8-inch box loop cheeks, overcheck or round side reins, 3/4-inch by 1-inch lines, V shaped breast collar, 5/8-inch split neck strap with line rings, 1 1/4-inch single strap traces; 1 1/2-inch single strap breeching; 3/4-inch split hip straps; 3/4-inch side straps; 3/4-inch scalloped turnback with crupper sewed on; gig saddle, flexible tree. Griffith style bellyband and shaft tugs.

No. 10W47108 1/2 Shipping weight, 21 lbs. Price, \$13.68

No. 10W47109 1/2 Imitation rubber trimmed, genuine rubber hook and terrets. Price, \$14.69





## Dairy Farming

CONDUCTED FOR FARMERS MAIL AND BREEZE BY A. G. KITTELL.

This department aims to be a free-for-all experience exchange for our folks who keep milk cows. We are glad to hear from you often. A Mail and Breeze subscription and other prizes awarded each week for helpful or interesting letters or bits of dairy news.

The silo agent is abroad in the land.

Overworking will make butter look like lard.

It does not take much buttermilk in the butter to make it turn rancid early.

The most expensive help on some farms is the dog sent to round up the cows.

The dairyman with a bunch of shoats this spring has a good market for his skimmilk.

One of the big leaks in the dairy business is the keeping of two cows to do the work of one.

A feed of something while milking will often make a cow let down her milk when slow about it otherwise.

The dairy cow offered for sale cheap these days is an unsafe investment. Some of the high priced ones are unsafe too.

Many a case of bloody milk may be cured by giving the cow a dose of Epsom salts, bathing the udder with warm

water, and rubbing with camphorated lard.

In the dairy business harvest goes on the year around.

### Cottonseed Changed the Flavor.

[Prize Letter.]

Mr. Editor—Several times I have had trouble with butter getting strong when the cows were fed Kafir fodder. On different occasions I would be making fine flavored butter right along until the Kafir was introduced into the feed and almost immediately the butter was "off" in flavor, and in a short time would get decidedly strong. At one time I was forced to drop all my butter customers but about the same time a lady from Oklahoma who was visiting me told me to get a sack of cottonseed meal and feed to the cows. We were amazed at the results. The flavor of the butter changed and was as good if not better than summer butter. Not only this but the yield of butter increased.

When cows are fed cottonseed meal and the butter is made under perfectly sanitary conditions, as all butter should be, it will keep sweet and good for a long time. Recently, while moving, it was impossible for me to churn for three weeks. The flavor of the butter was unimpaired while the butter made when cows were fed Kafir fodder without the cottonseed meal, became strong in a few days. A pint of cottonseed meal to each cow twice a day is about the right amount.

Mrs. W. H. Utley.

Maple City, Kan.

### Getting the Most From the Cows

BY A. G. STAUFFER

[Written for Farmers Mail and Breeze.]

Mr. Editor—We have a herd of eight purebred Jersey cows. Our best feed for winter has been corn silage, alfalfa hay, and from 1 to 2 pounds of cottonseed meal each per cow according to the amount of milk produced. Since feeding silage for three years the question with me no longer is, can I afford to build and fill a silo, but can I afford not to do it. I would not think of keeping livestock again, especially dairy cows, without a silo.

The biggest problem I had to solve in the dairy business was to furnish pasture for the cows. I solved it by breaking up my cow pasture and feeding silage 365 days in the year. Since giving this plan a fair test I would not go back to the pasture again.

We began dairying in 1905 with two cows. By setting the milk in pans we sold \$39.90 worth of butter in 12 months after supplying a family of six. We then bought our first separator and from these same two cows made \$107.28 worth of butter the next 12 months, again supplying the family as before. This was proof enough to me that a good standard make of separator was a paying investment even for two cows.

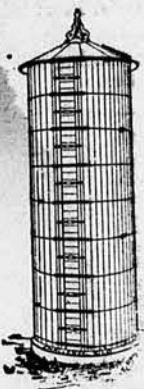
We make and sell butter because in so doing we get all there is in the milk and keep the skimmilk and buttermilk at home for calves, pigs and chickens. You also need not worry about the other fellow beating you on test, in selling butter. By following a few simple rules you will have no trouble in making good butter that can be engaged by the year at a good price.

We have stanchions for feeding the calves. After the first few weeks they have separator milk with shelled corn and alfalfa hay. As they grow older we feed some silage. We veal all male calves and sell all surplus heifers for which there is always a good demand.

One of the handiest kinks we have in caring for the cows in winter is to haul a double wagon box full of straw in on our cement floor once a week. This will keep the cows well bedded and as they work it into the ditch it is cleaned out each morning. At the end of the week you have a couple of loads of good manure to haul out. This saves the chore of bedding each evening.

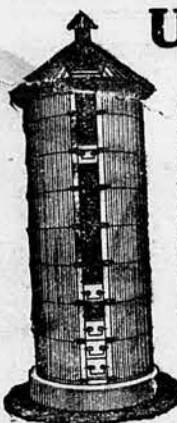
One of the best ways to improve a herd is to buy a purebred dairy sire and you will be surprised how much better the heifers from this mating will respond in production. Another good way is to buy some dairy bred heifer calves and a Babcock tester. As the heifers come fresh weigh and test their milk and cull all those that don't come up to standard.

Valley Center, Kan.



### Challenge Silos WHY?

Best for your money. Anchors (both top and bottom.) Inside Brace. Steel bound door opening. Doors can't bind; always in place. True and Smooth inside. No steel parts in contact with feed. Lumber: The best to be had. Catalogue No. 60 FREE. CHALLENGE COMPANY, 127 River St., BATAVIA, ILLINOIS.



### UNADILLA SILO

Were awarded the Blue Ribbon at Kansas and Oklahoma State Fairs in 1912. They are used by the Borden Condensing Company, a thirty million dollar milk company; the New York Industrial Farms, and numerous large feeders, all with great profit and satisfaction. It has adjustable front. Can push ensilage out on level, do not have to fork it up over doors and cross bars, two to three feet high. Can tighten every hoop from ladder. Doors weigh 14 pounds. You cannot bind, or stick. Write for prices. Agents wanted.

Central Unadilla Silo Co., Des Moines, Ia.

### Your Dealer Wants Spot Cash for "STANDARD"

#### Cream Separators

And it is to your advantage that he does. He pays cash for the "STANDARD" and sells it for cash to save you money. You get mail order price but not a mail order product. It is strictly a quality machine.



Capacity	Our Offer	Reg. Price
500 lb.	\$47.50	\$75
700 lb.	\$56.50	\$90
900 lb.	\$63.50	\$100

#### Sold Only Through Dealers

Guaranteed to last as long and skim as close as any hand separator made. Try it free on your own farm. Our money back guarantee goes with every machine. See the "STANDARD" at your dealer's or write for Catalog.

Standard Separator Co., Milwaukee, Wis.

# TRADE

## in your old separator on account of a new DE LAVAL

An up-to-date De Laval Separator will, on an average, save its cost every year over any other separator.

In addition to the actual saving in more and better cream there is also the saving in time of separation and cleaning, in easier running, greater durability and fewer repairs.

Because of these savings more than 40,000 users of inferior and worn-out separators of various makes last year took advantage of the De Laval exchange allowance and traded in their machines on account of De Laval's.



USERS OF OLD DE LAVALS, on account of the many improvements in the modern De Laval over machines sold 10 to 25 years ago, including closer skimming, easier running, better oiling, etc., will also find it to their advantage to exchange their old De Laval for an up-to-date De Laval.

SEE THE NEAREST DE LAVAL AGENT. He will tell you how much he can allow on your old machine, whether a De Laval or some other make, toward the purchase of a new De Laval. If you don't know a De Laval agent, write to the nearest De Laval office giving make, number and size of your present machine, and full information will be sent you.

**THE DE LAVAL SEPARATOR CO.**  
NEW YORK CHICAGO SAN FRANCISCO SEATTLE



## The Adriance Binder

### For Over Fifty Years a Favorite the World Over

The above reproduction from a photograph shows an Adriance Binder in use in Siberia where thousands of Adriance Binders and Mowers are giving excellent service under most trying conditions.

In all parts of the world this time tested Binder is growing in favor, more and more each year.

It is growing because it is a better binder than any other. Gives better service—is more simple in construction—lighter draft—costs less for repairs. Its design is such that it works easier—without the strain and wear of other binders, consequently less time lost and less breakage.

Its materials are the very best and every wearing part has been carefully and scientifically designed to produce the greatest durability with lightness of draft.

### FOR LONG OR SHORT GRAIN FOR HEAVY OR LIGHT CROPS

The Adriance Binder will handle long or short grain, heavy or light crops equally well. It can be instantly changed, without the driver leaving his seat, to bind grain anywhere from 20 inches down to 7 from the butts, making a square butted, well-tied bundle in every case.

ADRIANCE BINDERS GIVE BEST SERVICE FOR LONGEST TIME AT LEAST EXPENSE.

Write for FREE ILLUSTRATED BOOKLET.

**MOLINE PLOW CO.**

Dept. 15 MOLINE, ILL.

Manufacturers and Distributors of Adriance Harvesting Machinery







## Square Deal On Cream Separators

Let me tell you one sure thing: The Beatrice is the only standard separator on the market that you can buy at a fair-play price. A square deal—that's what you get when you buy a

### BEATRICE Cream Separator

Most dealers ask \$100 up for a high-grade separator. I paid \$75 for my Beatrice. I don't think I ever had so much cream separator satisfaction.

Why, I can clean the bowl and discs in less than 2 minutes, with the patented device furnished free with the separator. They come out as clean and as spotless as a new penny and as sweet as a nut.

I figure I save the price of my Beatrice every year by its close, clean skimming. It's the easiest-running machine I ever had.

My repair bills have amounted to practically nothing. It's a sure-enough built-to-last cream separator.

Take Farmer Onswon's advice. Get a Beatrice. Get on the list of satisfied separator users. See your dealer or write to

THE CONTINENTAL CREAMERY CO.  
Topeka, Kan.  
Oklahoma City, Okla.



## 15.95 AND UP-WARD AMERICAN SEPARATOR

THIS OFFER IS NO CATCH. It is a solid proposition to send, on trial, fully guaranteed, a new, well made, easy running separator for \$15.95. Skims hot or cold milk; making heavy or light cream. Designed especially for small dairies, hotels and private families. Different from this picture, which illustrates our large capacity machines. The bowl is a sanitary marvel, easily cleaned. Gears thoroughly protected. Western orders filled from Western points. Whether your dairy is large or small, write us and obtain our handsome free catalog. Address:

AMERICAN SEPARATOR CO. BAINBRIDGE, N.Y.

### Only \$2 Down One Year to Pay!

**\$24** Buys the New Butterfly Jr. No. 1. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. Skims 36 qts. per hour. Made also in four larger sizes up to 5-1-2 shown here. Earns its own cost and more by what it saves in cream. Postals bring free catalog folder and "direct-from-factory" offer, buy from the manufacturer and save half.

ALBAUGH-DOVER CO. 2275 Marshall Blvd. CHICAGO

**ELECTRIC Stee Whee Hand Wagons Are Big Money SAVERS!** No more high lifting or pitching. Saves you work and lightens draft nearly 50%. Don't rut fields or roads. We also furnish Electric Steel Wheels to fit ANY wagon. Wheels can't dry out or rust. Send for free book of facts and proofs. Electric Wheel Co., 30 Elm Street, Quincy, Ill.



### Picking Out the Right Sire

BY A. S. NEALE,  
Kansas Agricultural College.

[Written for Farmers Mail and Breeze.]

The selection of the young purebred sire is much more difficult than to choose a mature sire. In the latter case the character of the offspring is the principal consideration, and where this is uniform and of a high class we are usually justified in selecting from this standpoint. In case of the dairy sire, especially under present Kansas conditions, we must make our selection, in most cases, from young, untried bulls.

With the young dairy sire the most important consideration is pedigree, or breeding. A well bred animal, in the case of a dairy bull means the dam, and granddams, for generations back, have been good, typical, high producing cows, and that the dams of cows of this class, and the sires in the pedigree, have produced daughters of the same sort.

#### Study Records of Ancestors.

The best key is the records made by dairy cows on official test. In selecting our dairy sire we should study carefully the records of his ancestors. The more high producing cows among these the better. In developing the dairy breeds of cattle, the method pursued has been that of selecting the highest and most economical producers as breeding stock. This method has evolved what is known as the dairy type, and our best producing families adhere closely to this type. The right method for the breeder to follow is to look to both type and performance, for only by this system can he hope to have the greatest success.

#### Indications of Dairy Type.

A cow of the dairy type is one that carries a relatively small amount of flesh. She has soft yellow skin, fine hair, a broad muzzle, lean face, bright, prominent, yet mild eyes, long thin neck, spare shoulders, sharp withers, deep, thick chest, a strong straight back, well sprung ribs, long deep body, long, level, wide loin and rump, prominent hip bones, thin eat hams and rather short legs. There should be a well balanced udder of good mellow quality, extending well forward and well up behind, well rounded, capacious, with teats of medium size and rather wide apart, and milk veins that are large, long, crooked, branching, and enter the body by large openings, or milk wells.

#### Points of a Dairy Sire.

In the dairy bull we desire a masculine head and horn, a bright eye, rather heavy neck, more massive shoulders and heavier thighs than the female. We want the same long, deep, heavy body, long, level rump, strong straight back, short well placed legs, and soft yellow skin desired in the dairy cow. One point upon which there is some difference of opinion is the rudimentaries, or teats. However, most breeders agree that it is important that these be placed wide apart and of good size. In selecting the bull, the type and characteristics of the ancestry should be studied, as he will probably transmit many of these characteristics.

Avoid a bull whose dam is of a wild, excitable disposition, has a misshapen udder, or any particularly objectionable features. A little careful study at this time will be of great profit in the future. It is said the sire is half the herd, but in grading up he is more than half. It will pay to buy the best even at a high price, rather than take something inferior.

#### Hold Onto Him If He Is Good.

After having chosen a good bull plan to keep him as long as he can be used. Never dispose of him till his daughters have been in milk long enough to know what they will do. This will mean that he must be kept at least four years. Many of the best breeding bulls have been sold for slaughter before their value was discovered. In some cases it may be a good plan to breed this sire to his own daughter. This should be done only in case of a high class sire, coming from ancestry of excellent individual merit and production. Inbreeding should never be practiced where any weakness of constitutional vigor is apparent in the bull, his ancestry, or progeny.

It must be remembered that in this system the apparent, or inherited, char-

# UNITED STATES CREAM SEPARATOR

### Its 1913 Model Improvements make other Separators distinctly out of date

**Mechanical Washing** The "United States" is the only cream separator adapted for mechanical cleaning and can actually be washed with the U. S. Mechanical Washer in one half the time needed to clean other makes.

**Non-rusting Sections** The skimming device of the U. S. Separator is composed of nickel silver sections guaranteed not to rust. Besides nickel silver sections are stronger and more durable than tinned steel discs or other devices.

**Lightest Running** The 1913 model U. S. is one of the lightest running separators made and is operated with practically one half the power of older models.



**Closest Skimming** Not only has its work in hundreds of thousands of dairies caused the U. S. to be admitted the closest skimming Separator manufactured but the U. S. has proved this fact by winning the World's Record for closest skimming.

**Price** The 1913 model United States Separator with its superior advantages costs no more than other makes without them.

**FREE DEMONSTRATION** Ask your local U. S. agent for a free demonstration of the 1913 model at your home. Our catalogue is free for the asking. Write NOW for it.

VERMONT FARM MACHINE CO.

Bellows Falls, Vt. 25 Showings Waukegan, Ill. Chicago, Ill.

### Book of 100 Vehicle Bargains—FREE

## Let This New Special Sears-Roebuck Book Help You Decide on the Right Vehicle to Buy

Post yourself on real values before you buy a buggy, surrey or wagon of any kind. Buy where you are sure of getting the most for your money, the safest guarantee of satisfaction and the best treatment. Here is proof that our prices save you \$35.00 to \$50.00.

Over 49,000 of These Metal Auto Seat Buggies Already Sold; Price \$59.90

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This splendid buggy at \$59.90 has triple panel auto seat, genuine leather upholstery, highest type body construction, triple braced shafts, best wheels made, full wrought fifth wheel, real long distance self oiling axle. New style auto skeleton top. Shipped from warehouse near you.



acteristics of the sire will be intensified, and that weak points are more apt to be inherited than desirable ones. In grading up the herd improvement can often be secured faster by inbreeding and in the hands of careful breeders has often been used successfully. However, its general use cannot be advised. Manhattan, Kan.

Mrs. J. J. Farley, of Dallas, Texas, has the distinction of having been the first regularly commissioned police officer in the United States. She was appointed police matron, with the rank of captain, on Washington's birthday, seven years ago.

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**Tested, Proved Reliable** by forty-four years' use in nearly all parts of the world. Many men earn big incomes with some one of our 59 styles and sizes. They use any power. Made for drilling earth, rock and for mineral prospecting. Large catalog No. 120, FREE. THE AMERICAN WELL WORKS General Office and Works: AURORA, ILL. Chicago Office: First National Bank Building







Conducted for Farmers Mail and Breeze  
BY DR. F. S. SCHOENLEBER,  
Professor of Veterinary Science  
Kansas Agricultural College.

#### Paralytic Affection.

I had a fine horse 13 years old, weighing 1,500 pounds, that became wobbly on his feet and in 10 days went down and could not get up. The second day he was down and began to form where he was lying and these began to rot. I raised him in a sling every day but with poor results. A large swelling started at the heart and

running upward to the hip broke out and began to rot. The odor finally became so offensive that no one could care for the horse and we decided to chloroform him. No two people here have agreed on the ailment.—C. R. F., Russell county, Kansas.

The trouble with your horse was probably a form of paralysis which affected him so that he could not handle his limbs. It is rather difficult to say what the cause of the paralysis was. It might have been a tumor pressing on the spinal cord. The bed sores were a natural occurrence, although they appeared a little earlier in this case than usual. The reason they appeared earlier is probably due to the fact that the nervous system being affected the muscles and the skin did not get their proper nourishment and soon began to form the bed sores.

#### Wind Sucking Habit.

I have a filly coming 4 years old in spring. She is a cribber or wind sucker. Is there a remedy for the habit? She is a grade Norman and am anxious to cure her if possible.—W. R. S., Morris county, Kansas.

Cribbing or wind-sucking is a condition sometimes produced by digestive derangements or it may be a habit contracted from hearing some other horse doing the same thing. There are a few things suggested to overcome this, such as cutting a nerve which supplies a muscle that goes to the lower jaw and also putting a wide strap around the neck and buckling it tight. If the animal sucks wind only when she can bite something I would suggest that you put her in a stall without any manger or posts

so that she could not have the chance to catch and hold onto objects. This is a condition that is extremely difficult to overcome, as some have even tried sawing niches in between the teeth and inserting pegs in there so that when they bite hard it would have a tendency to cause them pain, and this even has failed to cure the habit to any great extent.

#### The Plain Facts in the Case.

Mr. Editor—Farmers Mail and Breeze is my favorite weekly paper for many reasons. It is thoroughly reliable and gives us so much helpful information on so many subjects, and this in a condensed form. This is my honest opinion stated in plain English.

Mrs. H. V. Miller.

SIDNEY R. FEIL,  
Pres.  
Registered  
Pharmacist  
Graduate  
of the  
National  
Institute  
of Pharmacy



## Tell Me How Many Head of Stock You Have and—

I'll feed them 60 days before you pay. I'll show you how to make your farm animals grow faster—thrive better—put on more flesh on no more feed—make you more money.

### I'll Rid Them of Worms or No Pay

I'll drive out the blood-sucking, life-sapping, disease-breeding parasites which multiply in the stomach and intestines, killing off your hogs and sheep, starving your horses and cattle, and stealing your feed and profits. I'll send you enough Sal-Vet to last all your stock 60 days. Simply put it where all your farm animals can run to it freely. *They will doctor themselves.* Don't send any money—just the coupon. Fill it out and mail today.

*Sidney R. Feil*  
President.



## What SAL-VET is and Does

Sal-Vet is a wonder-working medicated salt which completely rids farm animals of their greatest enemies—the stomach and free intestinal worms. These deadly pests are the cause of 90% of all live-stock diseases. They keep farm stock in a poor, weakened, money-losing condition—they are the first step to hog cholera, swine plague, horse plague and other contagious diseases.

## How SAL-VET Prevents Diseases

Sal-Vet prevents heavy losses when disease breaks out in your neighborhood because it kills and expels these deadly, life-sapping pests and puts every animal on your farm in a healthy, vigorous, worm-free condition—enabling them to better resist these deadly plagues. It sharpens the appetite, improves digestion and makes all stock grow into profit fast because it helps them get the good of all their food. Being a salt, animals like it and run to it freely—and

### THEY DOCTOR THEMSELVES!

It requires no mixing—no drenching—no dosing—no trouble at all. Leading agricultural colleges and all prominent live-stock authorities endorse it.

Let me send you a 60-day supply without a penny of pay in advance.

## Send No Money—Just the Coupon

SIDNEY R. FEIL, President  
THE S. R. FEIL CO.  
Dept. FMB  
Cleveland, O.

Ship me enough Sal-Vet to last my stock 60 days. I will pay the freight charges when it arrives, report results in 60 days and will then pay for it if it does what you claim. If it does not, you are to cancel the charge.

All I ask you to do is to fill out the coupon, tell me how many head of stock you have, and mail it to me today. I'll ship you enough Sal-Vet to last all your stock 60 days. You simply pay the freight charges when it arrives and at the end of 60 days report results. If Sal-Vet does not do what I claim you won't owe me a penny. Send the coupon NOW. Address

SIDNEY R. FEIL, Pres.  
THE S. R. FEIL COMPANY  
Dept. FMB CLEVELAND, O.

60-day shipments are based on 1 lb. of Sal-Vet for each hog or sheep, and 4 lbs. for each horse or head of cattle, as near as we can come without breaking regular packages.

Name.....  
P. O. ....  
Shipping Sta. .... State.....  
Number of Sheep..... Hogs..... Cattle..... Horses.....

## Proof That Proves From Actual Users

"As the hog cholera is prevalent all through this section, I have been feeding Sal-Vet to my hogs. Since then, I never saw them in better condition in spite of the fact that all around me the cholera is carrying them off by the hundreds."—W. J. BROOKS, Diggs, Va.

Sal-Vet will do all you claim for it. My pure-bred Berkshire hogs are doing fine, and have appetites so keen that they never seem to get enough to eat. Before I began to feed Sal-Vet the same animals were dull, listless and without appetite. They take to the Sal-Vet keenly. Hogs all over our county are dying in large numbers, and many right here in my own town have lost hogs from some cause, but I could not wish mine to do better than they have done since feeding Sal-Vet.—D. E. KNIGHT, Honea Path, S. C.

"Cholera attacked my neighbor's hogs, and one of them died. He started to feed Sal-Vet and has not lost any since. I have been feeding Sal-Vet and have not had a sick hog on the place."—J. J. G. FERRELL, Vandorn, Ala.

"A lot of hogs died in this county from swine plague or cholera. Some of them were within three miles of me, but I have been feeding Sal-Vet, and have not lost a single hog. They are all doing well, eat all I give them and have good appetite for more."—D. A. ROSS, Kingman, Kans., Breeder of Pure Bred Poland Chinas.

"Sal-Vet has been of great service to us; it has kept our hogs and pigs free from worms and, in addition, proved to be a splendid tonic."—J. B. ESPY, Agriculturist, Southeast Alabama Experiment Station, Abbeville, Ala.

"For their own good, I would recommend Sal-Vet to all sheep men. It will destroy every stomach worm in the flock and keep your sheep and lambs free from them and at the same time keep the flock in the pink of condition and health."—ROBERT S. BLASTOCK, Mgr. Sheep Dept., Walnut Hill Stock Farm, Donerail, Ky.

PRICES 40 lbs., \$2.25; 100 lbs., \$5.00; 200 lbs., \$9.00; 300 lbs., \$13.00; 500 lbs., \$21.12. No orders filled for less than 40 lbs. Never sold in bulk; only in Trade-Marked Sal-Vet packages.



## Nets \$14.00 per Ton From Ensilage in Champion Silo

C. L. Hurd, Mainright, Okla., bought 140 head of steers at \$58 per head. Fed 200 tons of ensilage and \$378 worth of cotton seed meal. Sold them for \$81 per head, bringing \$14 per ton for his ensilage.

## Do You Make \$150.00 Per Acre Profit on Corn?

50 bu. of corn per acre at 50c brings \$25. One acre of corn ensilage averages about 11 tons, worth \$9 per ton. The difference between corn and ensilage pays for a Champion silo, the best in the world, because it has interlocking steel door frame, malleable lugs, steel anchors and inside hoop, etc.

## Write for Free Book of Champion Profits Made by Champion Silo Owners

It tells interesting experiences, gives facts and figures, tells all about the Champion and why thousands of farmers find it the best. Write today. Address

Western Silo Co., 155 11th St., Des Moines, Iowa

## Get the Community Spirit, Mr. Farmer

"A stock insurance company's agent offered to insure a farmer's barn at the rate of 50c a hundred dollars. A farmer's mutual that had been in business twenty-four years did it for 10c a hundred."

"The stock company must pay dividends, salaries and heavy operating expenses. The farmers' company pays no dividends, and the policy holders keep their money until a loss occurs." — Saturday Evening Post.

Not less than 16,000 miles of Rock Roads could have been built in Kansas during the past 15 years with the money that might have been saved if all the farmers of the state had acted as this one did. And all would have been safely insured. The farmers' mutuals are actually safer than the stock companies—the official records of failures and retirement of old line companies prove it.

We wrote \$17,800,000 worth of insurance last year.

When does your policy expire? Write us.

**Farmers' Alliance Insurance Co.**

McPherson, Kansas

## A \$55 Saddle for \$38 Cash

Our latest 1910 Swell Fork Saddle, 16-inch swell front, 28-inch wool lined skirt, 3-inch stirrup leather, 3/4 rig, made of best oak leather, guaranteed for ten years; beef hide covered solid steel fork.

**The Fred Mueller**  
SADDLE & HARNESS CO.  
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Denver, Colorado

Send in your name for our 1913 catalogue, now ready.



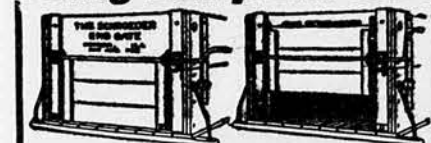
The Celebrated Mueller Saddle.

## Drain That Farm

this season and begin clipping the golden coupons. Kansas farmers find it pays to borrow money to tile their farms. In some instances the increased yield from one crop paid the whole expense. Names of farmers given to those who would investigate. Get the booklet, "Proper Methods and Results of Draining Land," sent free, postpaid, by

**Humboldt Brick Mfg. Co.**  
Humboldt, Kansas

## Dandy Dump End-Gate



Crank-Controlled; fits any standard size wagon. No extra bolts or attachments. Regulates the flow of grain. Saves your time and breakage. Write for our free 6th plan.

MINIER END-GATE COMPANY, Dept. 200, MINIER, ILL.

## TALKING MACHINE RECORDS

Edison blue Amberol, Columbia and Victor Disc at list prices. Send for complete lists of selections, catalogues, etc.

**Santa Fe Watch Co.**  
Talking Machine Headquarters,  
819 Kansas Avenue Topeka.

## Cement Tile For Irrigating

[Prize Letter.]

Mr. Editor—I would like to add a suggestion to the article on sub-irrigating, written by L. H. Cobb. Mr. Cobb recommended making the tiling 20 inches long. I have tried this plan but I find it more practical to make a continuous gutter. The hardest work in putting in a gutter of this kind is to get the trench level. The trench must be deep enough so that the plow or spade will not strike the underground gutter.

After digging the trench I place two 1 by 4 inch boards on edge about 6 inches apart. These are held in place with pegs and a layer of concrete put on the ground between the boards. This layer is about 1 inch thick, and is made in the proportion of 1 part cement to 4 or 5 parts sand or gravel. I then lay a 2 by 4 on edge on the concrete between the two side boards. The space on either side of this 2 by 4 is then filled with concrete up to the level of the side boards. When dry enough



How the Gutter Is Laid.

I take out the 2 by 4 and have an open gutter about 3 inches deep and 2 inches wide. The side boards may be taken away as soon as the concrete is dry enough to stand.

The gutter is then covered with slabs of concrete about an inch thick by 6 inches wide, and 14 or 16 inches long. These slabs may be made in a wholesale way by making a long, shallow trough, the width of the slabs, filling this with concrete and cutting in proper lengths before the concrete has set. A little cement is placed over the cracks where the slabs join before covering the gutter with earth.

The water will readily seep out through the concrete especially if put in coarse. When the gutter is full the water will also work out under the slabs as these are laid on loose. Any short lengths of pipe inserted through a slab at some convenient point may be used to fill the gutter.

No address. C. H.

[If the author of this letter will forward his address his prize will be forwarded to him.—Ed.]

## Mr. Newsom's Lath Tile

AN ERROR CORRECTED.

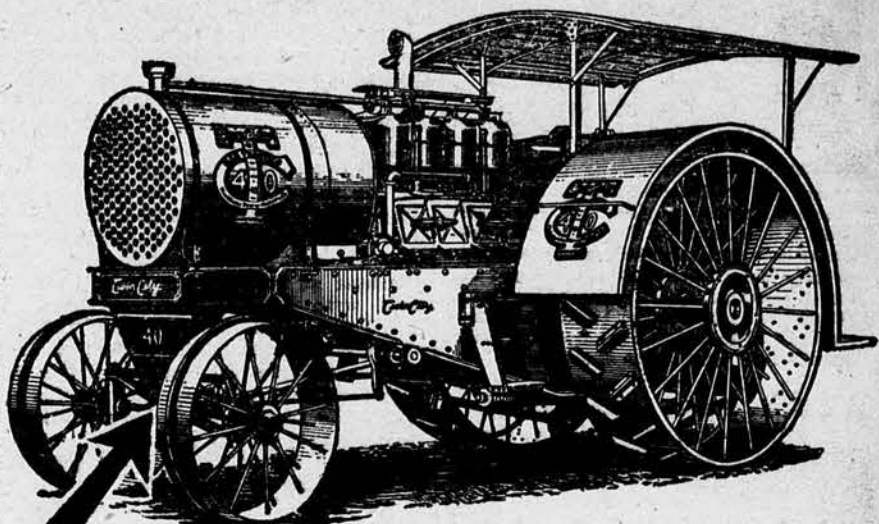
In Mr. Newsom's recent article on subirrigation with tiling made of lath, the plan of making the tile was in error in one particular. In the drawing that accompanied his article as published the laths were shown nailed together "corner to corner." The cross section of the lath tile shown here-with indicates the

right way. Mr. Newsom's lath tiles are long box-like tubes made by nailing four pieces of lath together. The drawing here shown represents one end of one of these conduits of lath and illustrates how the lath are nailed together. It is not the flat sides of the lath that are seen, but the ends of the lath which the drawing attempts to show.

## The Capital's Help For the Day- ton Sufferers

On the day after the big flood at Dayton, Arthur Capper, publisher of the Topeka Capital, issued a call through the columns of his paper for subscriptions for the benefit of the Ohio sufferers, and headed it with a liberal subscription himself. The generous people of Topeka, and of Kansas, responded immediately and within 48 hours Mr. Capper deposited with the treasurer of the Red Cross society a draft for more than \$2,000. Representative Fred Voiland, of North Topeka, said: "This is one of the finest things Mr. Capper has ever done through the columns of the Capital, and it shows that the people of Kansas can always be depended upon in case of an emergency."

Clean milking is important for the heifer that is fresh for the first time.



## Under Perfect Control

At all times—under all conditions, a giant steel horse that responds instantly to every move of the throttle and steering gear—a worker that never tires, never balks, never goes lame.

## Twin City Tractors

Two Sizes—25 and 40 Tractive H. P.  
Burn Kerosene or Gasoline

Its three-point suspension maintains a steady balance while traveling over rough ground—prevents strain to all working parts.

The front wheels turn on automobile knuckle joints—insuring easy steering. The fly-ball governor controls the engine within a few revolutions from full load to no load, by regulating the fuel supply. An accurate, positive adjusting device on the governor makes a steady motion for operating a threshing machine, corn sheller,

feed grinder and other farm machinery.

A hand throttle gives the operator control of the motor while running.

There are many other points of excellence in the Twin City Tractor, which make it stand head and shoulders above all other makes. They are all explained in our Tractor book 10F. Our book 12F tells of some of the remarkable achievements of the Twin City Tractor. Both books are free. Write for them.

**Minneapolis Steel & Machinery Company**  
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It's so simple and so satisfactory too when you buy it at Jenkins. You will never need apologize for the quality of the piano you buy at Jenkins. You'll never feel that you paid too much. You'll never hear that someone bought the same piano for less. The JENKINS ONE PRICE, NO COMMISSION PLAN IS YOUR PROTECTION.

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Steinway, Vose, Kurtzmann, Elburn Pianos on comfortable payments. Write for catalog and prices. High class guaranteed Player-pianos, \$435 and up. Call or write.

## What They Think of Good Pianos

Gentlemen—I feel that I am indebted for a very great many courtesies in connection with my piano contract and I am very appreciative. Trusting to have further pleasant business relations with your house and assuring you that my piano is still in most excellent condition—Prof. D. F. Conrad, head of the piano department of Central College of Lexington, says it is the best Vose piano he ever played on.

(Signed) B. M. LITTLE, Supt. Lexington Public Schools.

**J. W. Jenkins Sons Music Co., Kansas City, Mo.**

## Stannard's Processed Crude Oil Kills Lice and Cures Mange.

One application of my Processed Crude Oil will do more to rid your stock of lice and cure them of mange than three applications of any other preparation on the market, for the reason that it kills the mites as well as the lice, and remains on your stock for so long that it thoroughly cures them of mange. Put up only in 52 gallon barrels, and sold for \$5.00 per barrel. Why pay \$1.00 per gallon for a dip when you can get the best for less than 10c per gallon? My PURE CRUDE OIL is an excellent lubricant for all kinds of farm machinery and for painting farm tools to keep rust off. \$4.00 per barrel of fifty-two gallons. See my advertisement of refined oils at wholesale prices in next week's issue. Send cash with order. Address **C. A. Stannard, Box M, Emporia, Kan**

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To do without our ALFALFA COVERS. Write for particulars. **BEATRICE TENT & AWNING CO., 815 Court St., BEATRICE, NEB.**



## What Farmers Are Thinking

You are cordially invited to air your opinions in this column, but the Mail and Breeze reserves the right to condense such statements as far as possible to give other contributors a chance to say something. Short, crisp expressions of opinion on matters of interest or consequence to farm folks are welcome. All contributors must take their turn.

### R. F. D. Service Is Too Limited.

Mr. Editor—You or I must be wrong. I think the first speaker ought to have the floor the last time. Some time ago you printed my letter about the rural mail delivery system for which I want to thank you. But then you put that little piece at the bottom which kicked it all over. You say delivering the mail every other day would not do because farmers have acquired the daily paper habit and want to get in closer touch with the rest of the world. Now I believe that more farmers would take the daily papers and more would get in closer relation with the rest of the world by delivering mail every other day and extending the service to all farmers rather than to one fourth. The way the system is run now isn't right; it isn't giving all the farmers equal rights.

Russell, Kan. I. L. Mendell.

### A Canada Opinion of Parcel Post.

Mr. Editor—You invite opinions about parcel post. It doesn't help us up here. I got from Kansas City a packet weighing 15 or 16 ounces. It had four 4-cent parcel post stamps on it. I think the law is aimed to favor the mail order houses and give the railroads higher freights on smaller packets. I shall not pity the small merchants who always voted against us, that was when we used to sit under the awning in town in Kansas and whittled store boxes, when the weeds took most of the corn and the dealer took what was left. The bankers had money to lend at 24 per cent but when we went to get the goods or to borrow money we were told to go home and cut the weeds out of our 13-cent corn. But after all, the parcel post may help the people back to the land, but what shall you do with the landlords?

Stenen, Saskatchewan, Canada. D. C. Wright.

### "A Lumberman" Makes Complaint.

Mr. Editor—I agree with Silent Mason about people sending off for their goods. I will simply mention some facts to show how some people treat us. Last fall shingles were costing us about \$2.95 per thousand and we were selling them for \$4.25. Just a small profit—\$1.25 on \$2.95 invested is not large. When we had a good trade started a farmer went out to Washington on a visit and found out what they cost and has shipped in six cars and sells them at \$3.75. If asked to deliver them he will haul them all over the country. Now this same man is talking of shipping in lumber by the car and selling it almost at cost.

We were selling coal for \$4.25 and another man is talking of sending for a car and selling it at cost. We are only making about 33 1-3 per cent profit and that is small for this is a dirty mess to handle. It is time there was something done to compel these men to sell for more money or get out. Can't the legislature do something to stop these wreckers of business?

Neosho county. A Lumberman.

### Doesn't Like Mr. Williams's Plan.

Mr. Editor—I have been reading with interest the discussion on farm credit. I don't like Mr. Williams's plan. In the first place we are looking for cheap money which we would not get under his plan. Six per cent is not cheap money. Mr. Williams says let the land owners offer their land as security for loans. Where does the renter come in? He is the man who needs cheap money. Give to the man who owns a section cheap money and he will go out and buy another section and there will be more tenantry. The only way to help all the people is to give the under dog a chance. And why should the farmers pay 5 or 5 1/2 per cent to the government for the use of money when corporations get it from 2

to 4 per cent? Why should not the land owners of a county, or as many as could get together, offer their land to the government as security for an issue of currency? If the government could not issue the money I think a 3 per cent bond could be floated. Then establish a county bank, issue a credit check to each man to the amount of his security offered. This money should not cost more than 3 or 4 per cent. I would charge enough over the cost of the money to pay the expenses of running the bank. To the man with \$20,000 worth of real estate I would lend 20 per cent of the face of his credit check; the man with \$10,000 worth, 40 per cent and the one with \$5,000, 80 per cent. The surplus per cent to be lent to good, honest and upright tenants to buy a farm. No money to be lent for other than the purchase or improving a home. This would be co-operation in the true sense and I think it would be better than Mr. Williams's plan.

Lincoln, Kan. J. T. Brown.

### Elevate Rural School Standards.

Mr. Editor—Nearly all pupils entering high schools are obliged to go through the work of the eighth grade the second time. Thereby they lose a whole year and, when attending high school, are often compelled to pay \$2.50 per month tuition, after having been taxed to support both the district and county school. As the majority of farmers are tenants, therefore indirectly pay all the taxes, they deserve school facilities equal to the best.

A few years ago the principal of our local high school advocated a plan, which, if adopted, would in my opinion, result in a tolerably equitable adjustment. The plan was to elevate the standard of the district schools to a par with city schools, up to the eighth grade. The distribution of the funds paid into the treasury to maintain the county high school in city high schools so situated as to accommodate the most children over the country, thus making it possible for them to remain at home while attending high school and ending forever the necessity of paying tuition on top of taxes.

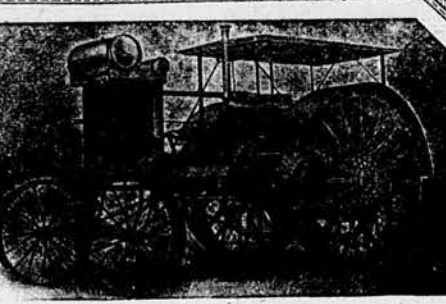
Oxford, Kan. L. E. Stratton.

### Would Test County Advisers.

Mr. Editor—I have been a farmer all my life, coming to western Kansas 35 years ago from Illinois. I have made a living here and raised a family. I want to say if the expert that is to be sent out to western Kansas does not know more than the veterinarians sent here during our trouble with horse disease, they could not tell a hot wind from a jack rabbit.

I am in favor of progress and advancement but before western Kansas gets into the expert business too far I am in favor of putting these experts on probation. Give them one 160 acres of

**OUR 1913 MODEL STANDS FOR QUALITY EFFICIENCY AND SERVICE**



**No Dead Weight in the "Flour City" Tractors**

THE four cylinder vertical motor admits of minimum weight without sacrificing power. The large diameter drive wheels admit of minimum weight without sacrificing the draw-bar pull. THIS combination embodied in the "Flour City" won the Gold Medals in the Winnipeg Contests and established a reputation in the field that no other tractor has equaled. The 1913 model burns gasoline, kerosene or distillate. It is correct in design, simplified in construction and the most complete in details. BUILT in three sizes—20, 30 and 40 H. P. If interested send for Catalog. KINNARD-HAINES CO., 854 44th Ave. No., MINNEAPOLIS, MINN.

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has no equal. The Silberzahn has the strongest built frame, a throat and a blower that never clog and a positive safety device. Ask for proof—write today for catalog, prices and FREE TRIAL OFFER.

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HAPPY HENS EARN BIG PROFITS

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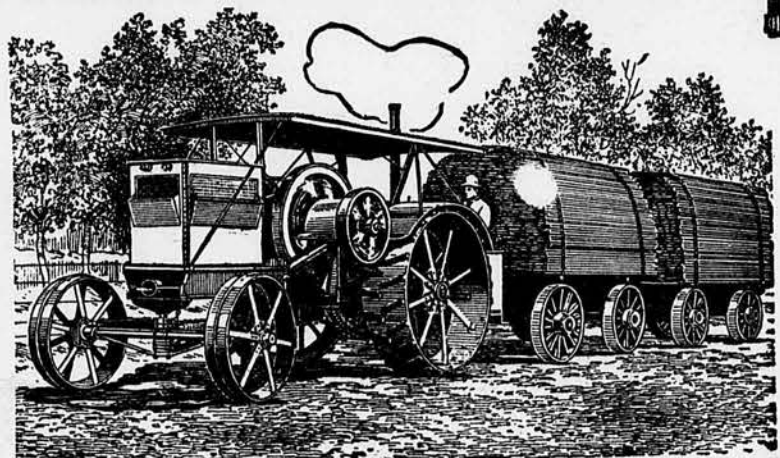


## Tractorize Your Farm Work

**T**RACTORS are better than horses for the more important farm work. Plowing, harrowing, seeding, harvesting, threshing, irrigating, hauling to market, all are accomplished on time and at less expense with I H C tractors than with horses. Tractors do the work in so much less time that you can avoid unfavorable weather entirely and still finish your work in season. Also, no matter what may happen to a tractor, it is always possible to repair it and make it as good as new. Worn or broken parts can always be replaced at comparatively small expense. An I H C tractor is a necessity to economical farmers. Tractorize your farm work.

## Buy An I H C Oil Tractor

I H C tractors are largely responsible for the growing general use of tractors, because they are reliable, simple, and do their work at such low cost. The average cost of plowing an acre of ground with an I H C tractor is 45 cents as against \$1.25 with horses. Costs of harrowing, harvesting, threshing, and other farm operations are reduced in about the same proportions when I H C tractors are used. There is an I H C tractor of the right size and style for work on your farm, whether it be large or small. For small farms, the 12, 15,



and 20-horse power sizes are best. The 25, 30, 45 or 60-horse power I H C tractors will do the work of many horses on the largest farms. They operate on low or high grade fuel oils. The I H C engine line also includes portable, skidded and stationary engines from 1 to 50-horse power, which can be used to run a feed grinder, saw, pump, cream separator, and any other farm machine. See the I H C local dealer and arrange for the purchase of an I H C tractor or engine. He will give you catalogues and full information, or, write

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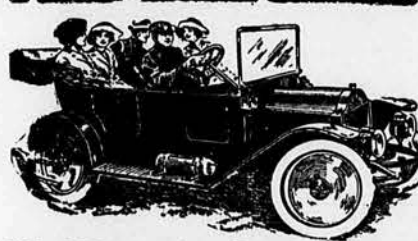
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This great Prize Contest starts immediately and will close July 4th, 1913. Our object in conducting this contest is to secure more subscriptions for our big home, story, fancy work and general family magazine, "The Household."

It is easy work for any one anywhere to get subscriptions to "The Household" and in this contest it will be especially easy because we furnish you a stock of very beautiful free premiums to distribute among your subscribers.

For a one-year subscription at 25 cents you get 25 points to your credit in the contest—a three-year subscription at 50 cents gives you 75 points, and a six-year subscription at \$1 gives you 150 points.

The six contestants having to their credit the greatest number of points at the close of the contest on July 4, 1913, will be awarded the Six Grand Prizes as follows: First, a \$900 "Krit" 5-passenger Touring Car; Second, a \$350 Genuine Mahogany Player-Piano; Third, \$100 in Gold; Fourth, a \$50 Gold Watch; Fifth, a \$40 New Model Bicycle; Sixth, a \$30 Talking Machine Outfit.

Any man, woman, boy or girl may secure subscriptions in this contest anywhere in the United States, except in cities of more than 100,000 population.

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land, 1 team, 2 cows, 2 hogs, four sheep, provisions for one year and at the expiration of five years if he has kept out of the poor house, paid his taxes, kept his lodge dues paid and his preacher, let the county in which he was located give him a job on the county experiment farm.

I haven't much sympathy with the prevailing idea that the farmer is wilfully neglecting his farm. He is making as good a showing as is any of the other industries and will improve his conditions and increase the production of the soil in direct ratio to the financial returns. What we farmers want is a thorough organization and then co-operation in buying and marketing the products of the farm in a more systematic business-like way.

Jetmore, Kan. C. E. Roughlon.

## Kansas' Most Useful Books

THE NEW BIENNIAL.

If you are running a Kansas farm and know what the biennial reports of the Kansas state board of agriculture are like, you will be interested in the news that the 18th volume has just been issued. It covers the years 1911-1912 and is devoted largely to information of practical usefulness to the man who farms or who raises livestock. It is a 1,091-page book and the back pages are given up to agricultural and livestock statistics by counties and otherwise. F. D. Coburn, secretary of the board, at Topeka, is the person to write to if you wish a copy.

In the preface Secretary Coburn says "figures are popularly considered dry forage, but when they faithfully record the growth and development of our state's foremost industry they are fed upon with relish by the citizens of Kansas."

In the last two years the big increases have been in the acreages of sorghums and alfalfa. The state's alfalfa area has reached and passed 1 million acres. This is nearly one-fourth of all the alfalfa grown in the United States. In 1911, the sorghums gained more than 47 per cent, and in 1912 27 per cent.

A noteworthy development is the growth of the dairy industry, represented by an increase of 244,498 in the number of milk cows, a gain of 38 per cent in two years. In 1912 the year's increase in the value of dairy products was three-quarters of a million dollars.

The board's plan of calculating or basing the crop valuations on prices that represent the average value of each for the entire current year, and comprehending the whole state, instead of basing the valuation on a price in some one market on some one of the year's 365 days, has been criticized by individuals here and there. Secretary Coburn answers these critics by simply saying that experience has proved superior.

"Criticism," he adds, "has also been made of giving a valuation, say for the corn crop and then for animals slaughtered or sold for slaughter, without deducting from the value given the animals the worth of the corn they had eaten, which of course contributed immeasurably to the great total. As these statistics have uniformly been presented in this way, each item showing absolutely for itself, the reader can readily view them separately if he wishes, and no one need be misled by seeing them added in the total. On the other hand, it may be said to those disposed to hold contrary views that the duplications shown by aggregating the items mentioned might be in large measures offset by products consumed and realized on but not appraised in these statistics, as for example, the immense value of the grass and other forage crops used for pasture and soiling that are such important factors in meat and milk-making everywhere."

## If You Need a Hired Man

Kansas farmers who want hands can be supplied by applying to Z. G. Hopkins, director of the state free employment bureau at Topeka. The bureau has a large number of applications from men who want to get out onto the farms of the state at once for the summer's work. The men are available at once and can be sent out the day the applications for help are received.

It will cost \$6,052,070 to run the schools of Missouri for the next two years.

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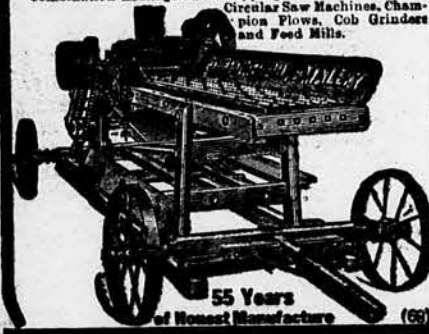
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not only handles green silage, but is also a wonder at cutting dry feed. Handles alfalfa, for instance, to perfection. Letters in catalog prove it. Many farmers use their Powerful "Smalley" to cut corn in the fall and oats and pens in the spring for feeding when pastures dry up in July. Only one drive pulley on Blower outfit. No idler to bother with. Ten per cent steel guaranteed in all foundry castings. No oiling by hand—hard oil cups on all important bearings.

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## Geese Are Money Makers

What Those Who Know Say of Them

BY MAIL AND BREEZE CONTRIBUTORS

[Prize Letter.]

GEESSE are perhaps the hardest of all farm property. They require less attention at least and little or no outlay for buildings. The two great objections to geese are the noise they make and the fact that they will spoil pasture for other stock. But it should be an easy matter on most farms to set aside a piece of ground for them. If one knows their nature and how to care for them they may be made to give better returns than almost any other class of poultry. But where not cared for properly they may be the least profitable.

By nature geese are more like cattle than like poultry. They are grazing

summer, as they live almost entirely on grass. In winter they may be fed alfalfa hay with a little grain in addition.

Goose eggs hatch in from 28 to 31 days. After the 12th day it is well to sprinkle the eggs each fourth day. As soon as the goslings are hatched and dry I take them from the nest and place in a dry, warm place for 24 hours. If the weather is warm I put them in a small enclosure in a grassy place and give them corn meal. The pen is moved about to new ground and tender grass from time to time. They have water to drink, but none to get into and wet themselves. After a month old they can

### Coming Next Week and Later

How to irrigate a large area of land with a small quantity of water by the sub-irrigation plan, will be elucidated in next week's Mail and Breeze by H. B. Walker, drainage engineer, at Kansas Agricultural college. He will tell where and how this system may best be used and describe and illustrate methods. There never has been so much interest in this subject in Kansas as at the present time.

The proper feeding and bringing up of the pigs is to be a mighty important item on the profit side of this year's farm operations. F. D. Coburn, whose famous book, "Swine in America", has helped many a farmer to get out of the hole, financially, has written a special article on this topic for Farmers Mail and Breeze, which is soon to see the light.

animals and too much grain will spoil them. Pure air is even more important, for they will not thrive when shut up in buildings. The goslings must have fresh, tender grass from the time they are hatched until feathered. After that those intended for market may be penned up and fed green food and grain, but stock intended for breeding should continue on free range.

It takes geese almost as long to attain full development as it does cattle and sheep, but they will prove profitable for many years after that. Yearling geese are very poor breeders, 2-year-olds are better, but they do not reach their full development until 3 years old. To make a beginning with geese it is best to buy breeding stock in the fall so as to get them accustomed to their new quarters and to each other. Geese do not mate readily after January 1 and if not bought earlier will often fail to breed that year. Old, well-mated geese of good quality are the cheapest and most profitable to buy. The best way to begin with young geese is to order them before they are hatched. Have the large, early hatched specimens selected for you and delivered early in the fall. In this way you will know the age of your flock and so get better results. They must be kept at least one year at very little profit.

Two geese are usually sufficient for one gander and they will often do better in pairs during the breeding season. The breeding season usually begins about February 1, though sometimes a goose will lay as early as December. They usually lay from 15 to 20 eggs before beginning to sit. They may be broken of this notion by putting them in a box for a few days with water to drink but no food. Then put them back in the yard and they will soon be laying again.

I have raised the Toulouse geese for many years and find them to be the most profitable of the goose family. Sometimes it is difficult to tell a young goose from an old one and for this reason it is well to mark them with leg bands.

Achilles, Kan.

### Grass Is Their Chief Diet.

[Prize Letter.]

Mr. Editor—The raising of geese on the farm comes as near being all profit as any crop that can be produced. I raise the Toulouse geese. They are large and easily kept. By supplying them with water in a trough they will require very little further attention in

be turned out on free range and by Thanksgiving or Christmas you will have a fowl for dinner that is far ahead of the turkey to my notion.

Kensington, Kan. S. A. Pratt.

### The Meat May Be Put Up in Jars.

[Prize Letter.]

Mr. Editor—Geese are so easy to raise, and their meat and feathers are so valuable that it is a wonder more of them are not found on our farms. I think there is no better meat for the table than a well roasted, juicy goose. Last fall I killed two geese, trimmed out all the bones, and packed the meat in a 2-gallon jar. I seasoned the meat and set the jar in the oven until the grease

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Mr. Editor—We raise the White China geese. They are pure white, have long necks, and a red knob on the foretop. They are great feather and egg producers, but do not fight and will not bother sitting hens or chicks. I feed the



A Good Type of Toulouse Goose.

goslings on corn bread and give them plenty of clean water and sand until 3 or 4 weeks old. Then they are turned out to graze. Geese do not require a bathing place, but I would prefer to have a creek or pond for them, as they will then keep much cleaner. I pick them every six weeks in warm weather and sell the feathers for 80 cents a pound. Some of the older geese have been laying all winter. I use the eggs for baking.  
**Mrs. R. C. Williams.**  
Bern, Kan.

**Some Road Law Suggestions.**  
Mr. Editor—I have been looking for some good road laws to be passed this winter, but have not heard of any yet. I say pass a law that there cannot be anything used for bridges but steel, stone and concrete and the more of the latter the better. We ought to work all our jail birds on the roads and as many of our state prisoners as possible. Instead of increasing the land tax, get the road money from the very source that wears the roads out—make a law taxing every automobile \$3 each year. Also tax every spring wagon and every lumber wagon or farm wagon that is used on the roads with less than a 4-inch tire, a dollar per year, the county clerk of each county to issue the license tag with number and date, each year vehicle owners having 30 days' time to get their license tag. Any one caught without such number tag to be liable to \$10 or \$25 fine and costs.

I have an automobile and I would be glad to pay \$3 per year if the roads can be made good by doing it. I am tired of our present road law by which we pay out our money and get nothing back. I think we ought to let the jobs of grading and such work by contract, giving specifications the same as the railroads do, then let the contractor furnish his own machinery. We could save a lot of money that is wasted now in road plows, scrapers and graders and allowed to rot and rust out. We would also stop a big graft in buying these tools.  
**Danville, Kan. M. H. Osborn.**

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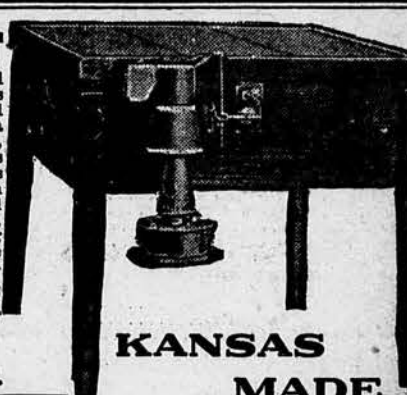
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## Away From Home For Stock Hogs

The price of pork on the hoof is acting as a great stimulant to the business done in stock hogs. The other day Steve Berman, Henry Sinning and Frank Davis, stock farmers from Jackson county, Kansas, arrived at one of the serum stations near the stockyards at Kansas City with 350 shoats. These shoats were picked up in northern Arkansas, near Imboden, and in Howell county, southern Missouri, adjacent, and were vaccinated at Kansas City before being taken to the farms of their new owners.

"We had no trouble in rounding up these hogs and getting them through," said Mr. Sinning, "and now if we are just as fortunate in getting them home we shall feel good over our deal. The shoats weigh around 100 pounds each and they will cost us laid down at home just about \$9 per head. They are a good class of hogs, better than we expected to get. It is our first experience and we are going to strive to make it a success."

Hog feeders in Missouri and Kansas have bought a good many stock hogs in southern Missouri and in Arkansas, and some in Louisiana within the last year. The ability of these pigs to convert a bushel of corn that costs around 40 cents into pork that sells for more than twice that amount justifies a good deal of skirmishing to get the raw material.

## How Much Seed For an Acre?

The amount of garden seed required to plant a single acre depends a good deal on the character of the soil and the quality of the seed. The following list is believed to strike a fair average:

Asparagus, in 12-inch drills.....10 pounds  
 Asparagus, planted 4 by 1 1/2 feet.....6 plants  
 Barley.....2 1/2 bushels  
 Beans, bush, in drills 2 1/2 feet.....1 1/2 bushels  
 Beans, pole, Lima, 4 by 4 feet.....20 quarts  
 Beans, Carolina prolific, etc., 4 by 3 feet, 10 quarts  
 Beets, in drills 2 1/2 feet.....10 pounds  
 Corn, broom, in drills.....12 pounds  
 Corn, field.....8 quarts  
 Corn, sugar.....10 quarts  
 Cabbage, outside, for transplanting.....14 ounces  
 Cabbage, sown in frames.....7 ounces  
 Carrot, in drills 2 1/2 feet.....4 pounds  
 Celery, seed for transplanting.....3 ounces  
 Celery plants, 4 by 2 1/2 feet.....25 plants  
 Cucumber, in hills.....5 pounds  
 Cucumber, plants 5 by 3 feet.....4 ounces  
 Lettuce, in rows 2 1/2 feet.....2 pounds  
 Lettuce, water, in hills 8 by 3 feet.....3 pounds  
 Okra, in drills 2 1/2 feet.....20 pounds  
 Onions, in beds for sets.....70 pounds  
 Parsnip, in drills 2 1/2 feet.....8 pounds  
 Peas, in drills, short varieties.....2 bushels  
 Peas, in drills, tall varieties.....1 1/2 bushels  
 Peas, broadcast.....3 bushels  
 Potatoes.....3 bushels  
 Pumpkin, in hills 8 by 3 feet.....4 quarts  
 Radish, in drills 2 1/2 feet.....30 pounds  
 Spinach, broadcast.....30 pounds  
 Squash, bush in hills 4 by 4 feet.....4 pounds  
 Squash, running, in hills 8 by 3 ft. 2 pounds  
 Tomatoes, in frame.....3 ounces  
 Tomatoes, seed in hills 3 by 3 ft. 10 ounces  
 Tomatoes, plants per acre.....2,800 plants  
 Turnips, in drills of 2 feet.....2 pounds

It is well, of course, to have some seed always in reserve for replanting if necessary.

## Plow Up Badly Infested Wheat

Many wheat fields in northeastern Kansas and along the Kaw valley from Bonner Springs to Salina are so badly infested with Hessian flies that the prospects for a crop from these fields are very slight. If these fields have not already been plowed under, they should be, at once, G. A. Dean, state entomologist at the Kansas Agricultural college says. The land then may be used for other purposes.

There is a slight infestation of the fly in almost the entire eastern half of the state, and although it is most serious in the northeastern part and along the Kaw valley, every farmer growing wheat should make a careful examination for these insects and then decide whether the infested wheat will be worth saving. Oats or corn may be put on the same ground without any danger of infestation from the fly.

If the fly is present it may be found this time of year in the form of brown, oval, flaxseed-shaped objects lying lengthwise of the stems between the leaf sheath and the stalk at a point just above the crown or place from which the covering leaves arise.

Mrs. Julius Klaas of Clyde is one of the "poultry queens" of Missouri. She specializes with White Leghorns and last year she averaged \$123 worth of eggs from each of 165 hens, not counting eggs used by the family. She feeds her chickens fresh rabbits and to this she largely attributes her great success as a chicken raiser.

## Reliable Poultry Breeders

### LEGHORNS.

**HIGH SCORING S. C. Brown Leghorn** eggs, 15 \$1.00, by parcel post, 100 \$4.50. C. L. Holeman, Orion, Okla.

### ORPINGTONS.

**BUFF ORPINGTON** eggs. Myrtle Peck, Wellington, Kan.

**BUFF ORPINGTON** eggs 15 75c, 100 \$4.00. Emma Denton, Goff, Kan.

**BUFF ORPINGTON** eggs 15, 70 cts; 100 \$3.75. J. O. Coombs, Healy, Kan.

**WHITE ROCK** eggs, Fisher and Bickerdike strains. Ed Clausen, Mead, Neb.

**BUFF ORPINGTON** eggs, \$2.50 per 100. Mrs. Russell Ware, Cawker City, Kan.

**S. C. BUFF ORPINGTON** eggs, \$4.50 per 100. Andrew Eskeldson, Ramona, Kan.

**PURE BRED Buff Orpington** eggs 90c for fifteen. Albert Schaible, Fairview, Kan.

**MAUD ROBERTS** Red Eye Strain White Orpingtons, 15 eggs \$1.50. Wetmore, Kan.

**CRYSTAL WHITE ORPINGTON** eggs \$1.50 per setting. Geo. C. Fisher, Custer, Okla.

**CLOSING OUT** all my Invincible White Orpington winners. Arthur Haurey, Newton, Kan.

**ROSE COMB Buff Orpingtons.** Eggs for sale. A. Fleming, R. No. 4, Burlingame, Kan.

**CHOICE Single Comb Buff Orpingtons.** Eggs \$4.00. Free range. Bert Gilger, Neosho, Falls, Kan.

**WHITE ORPINGTONS** (Kellerstrass strains). Eggs \$1.50 per 15. Dr. Newsome, Iola, Kan.

**WHITE ORPINGTON** eggs for hatching. Prices very reasonable. Geo. Gillum, Gypsum, Kan.

**SINGLE COMB BUFF ORP.** eggs \$5 per 100. Or incubator lots. Flora Watson, Altona, Kan.

**EGGS.** Full blooded Buff Orpingtons. \$1.00 per 15. \$5.00 per 100. Carl Loitz, Eudora, Kan.

**FOR SALE—Eighteen White Orpington** hens at \$1.50. Six, \$8.50. Mrs. Helen Lill, Mt. Hope, Kan.

**WHITE ORPINGTONS** (direct from Kellerstrass) stock and eggs. Mrs. Geo. Church, Burlington, Colo.

**CRYSTAL WHITE ORPINGTON** eggs from extra fine birds. Circular free. Ed Schaller, Toronto, Kan.

**S. C. BUFF ORPINGTON** eggs from prize winners, for hatching. Mrs. E. C. Eckart, Humboldt, Kan.

**WHITE ORPINGTON** eggs. Large stock. Setting \$1.50. Hundred \$7. Mrs. Helen Hill, Mt. Hope, Kansas.

**GOLDEN BUFF Orpington Cockerels** \$2.00 each. Eggs \$5.00 per 15. Dr. Pierson, Spring Hill, Kan.

**IRWINDALE FARM** thoroughbred White Orpingtons please particular people. Free catalogue. Topeka.

**S. C. BUFF ORPINGTON** eggs from prize winning strain, \$1.25 per 15. Mrs. G. B. Wengert, Lebo, Kan.

**CRYSTAL WHITE ORPINGTONS.** Good's strain. Cockerels \$2.00. Deane L. Smith, Route 1, Colony, Kan.

**S. C. B. ORPINGTONS.** Owen strain. Large, good color. Eggs \$1.00 per 15. Mrs. J. Drennan, Liberty, Kan.

**THOROUGHbred S. C. Buff Orpington** eggs for hatching, \$1 per 15, \$1.50 for 20. D. J. Riemann, Clarin, Kan.

**S. C. BUFF ORPINGTONS.** Standard bred range stock. Eggs \$3.50 100. Stock, chix. Nettie Kubik, Caldwell, Kan.

**SINGLE COMB Golden Buff Orpingtons.** Cook's strain. 30 eggs \$1.75. 100 \$4.75. White House Poultry Farm, Salina, Kan.

**SINGLE COMB BUFF ORPINGTON** eggs, \$1.00 per 15. D. H. Axtell, Sawyer, Kan. Chase Phone 1406.

**CRYSTAL WHITE Orpington** eggs \$2 per 15, \$10 per hundred. Mrs. Thad Wamsley, Conway Springs, Kan.

**EGGS.** S. C. Buff Orpingtons exclusively. Bred from prize stock. Farm prices. Mrs. J. T. Ritchie, Oskaloosa, Kan.

**CRYSTAL WHITE ORPINGTON** beauties; Single Comb. Eggs, pullets and cockerels. Oscar Zschelle, Burlington, Kan.

**FOR SALE—Single Comb Buff Orpington** eggs from a fine flock, \$3.50 per 100. Mrs. Walter Clark, Oskaloosa, Kan.

**SINGLE COMB Buff Orpingtons.** Single Comb Black Minorcas. Eggs and birds for sale. E. L. Hadley, Trumbull, Neb.

**EGGS** from prize winning, high scoring, imported stock of White Orpingtons, \$2.00 per 15. Wm. Reebie, Emporia, Kan.

**SINGLE COMB BUFF ORPINGTONS.** Cook strain. Eggs \$1.50 per 15, \$6.00 per 100. Mrs. Otis Russell, Canton, Kan.

**KELLERSTRASS Orpington** eggs. Special \$150 matings \$5 per 15. \$85 matings \$3 per 15. J. K. Searles, Farmington, Kan.

**KELLERSTRASS** White Orpingtons. Young stock for sale from winners. \$2 each. Eggs in season. J. Strathmann, Palmyra, Mo.

**SINGLE COMB BUFF ORPINGTONS.** Owen stock direct. Eggs, \$1.00 setting, \$5.00 per hundred. Mrs. Earl Vaughn, Esbon, Kan.

**PURE BRED ROSE COMB Buff Orpingtons—Eggs.** \$1.50 per 15; \$2.50 per 30; \$5 per 100. Fannie Renzenberger, Greeley, Kan.

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**BUFF AND BLACK Orpington** eggs for hatching. Fine stock. Write for prices. Guarantee. M. M. Turner, McPherson, Kan.

**S. C. BUFF ORPINGTONS** from Quincy, Ill., Shelbyville and Shelby, Mo., shows. Eggs for sale. Frank D. Griswold, Clarence, Mo.

**BUFF ORPINGTONS—Bridgewater.** Willard imported strains. Eggs \$2 and \$3 setting. Glaser, 1220 Rowland, Kansas City, Kan.

**CHOICE** scored stock, White Orpingtons (Kellerstrass); also White Wyandottes. Eggs \$1, \$2 fifteen. Mrs. M. Garnant, Kinder, Mo.

**HIGH CLASS Buff and Black Orpingtons.** Winners K. C. International. Eggs reasonable. Mating list free. C. A. Scoville, Sabetha, Kan.

**EGGS FOR HATCHING** from heavy laying strain Crystal White Orpingtons. Farm raised. Prices reasonable. Gustaf Nelson, Falun, Kan.

**KELLERSTRASS** White Orpingtons. Prices very reasonable. Send card for free illustrated catalogue. Phillips Poultry Farm, De Soto, Kan.

**SPLENDID** White Orpingtons, Kansas City prize winners. Stock and eggs; guaranteed satisfaction. Holabird, 4313 Garfield, Kansas City, Mo.

**WHITE ORPINGTON** eggs \$1 setting, \$5 per hundred. Parent stock from Kellerstrass's \$30 matings. Mrs. W. Patterson, Yates Center, Kan.

**WHITE ORPINGTONS.** Cook and Kellerstrass. Eggs from proven heavy winter layers \$1.50 setting. Express paid. J. H. Lansing, Chase, Kan.

**FIFTY SETTINGS** of White Orpington eggs for sale; exclusive range flock; satisfaction guaranteed; \$1.50 per 15. Arthur Dilley, Beattie, Kan.

**KELLERSTRASS** White Orpingtons. Eggs, first pen 15 \$1.25, delivered parcel post, 100 \$5.00, express not paid. Mrs. John Jevons, Wakefield, Kan.

**SINGLE COMB WHITE ORPINGTON** eggs. From extra fine quality range flock. \$6.00 per hundred, \$1.50 per setting. Mrs. David Foley, Norton, Kan.

**ORPINGTONS, Buff and White.** Eggs two dollars up, from first prize birds American Royal. Mating list ready. Mrs. E. H. Jones, Pleasanton, Kan.

**BUFF ORPINGTONS.** Prize winners. 13 firsts and two silver cups at two shows. Splendid layers. Catalogue ready. August Petersen, Churdan, Ia.

**CHOICE BUFF ORPINGTON** eggs for sale, two dollars per sit. Also choice pullets one to three dollars each. Geo. D. Page, Manhattan, Kan.

**FOR SALE—Eggs** for hatching from Howe's Silver Diamond strain of purebred White Orpingtons, \$1.50 per setting of 15. Geo. A. Howe, Kingman, Kan.

**EGGS FOR HATCHING** from heavy laying strain, prize winning, Crystal White Orpingtons, reasonable. Catalog free. P. H. Anderson, Box M-52, Lindsborg, Kan.

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**PURE BRED Single Comb Buff Orpington** eggs. Fine egg laying strain. Pen \$4.00 per setting, utility \$1.50 per 15, \$3.00 per 100. Mrs. Wm. Gutman, Troy, Kan., R. 3.

**SINGLE COMB BUFF ORPINGTONS.** Owens farm hens headed by Cary cockerel. Few settings from this choice pen \$2.50. Walter Pine, R. No. 5, Lawrence, Kan.

**GERTRUDE GEER'S** Gold Nugget strain S. C. Buff Orpingtons. Winners sixty premiums, two silver cups. Farm range; no pens. Eggs \$1.50 per 15. Winfield, Kan.

**KELLERSTRASS** White Orpingtons. Six thoroughbred hens scoring 94 to 95 and one cock scoring 94, to close out for \$25. Eggs \$2 setting. Wm. E. Deemer, Carthage, Mo.

**PRIZE WINNING** Crystal White Orpingtons. Utility eggs \$1, hundred \$5.50. First pen \$3, second pen \$2. Eggs been hatching 100 per cent. Baby chicks. Order direct or write Mrs. Gertrude Racus, Parsons, Kan.

**CRYSTAL WHITE ORPINGTONS.** Eggs from hens that are big, white, heavy laying and high scoring. Flock headed by State Show winner. Eggs \$1.50 per 15 up. Stock very low. Rev. Clinton Snider, Bunceton, Mo.

**KELLERSTRASS** Orpington eggs, dollar 15, \$5.00 100. Cockerels from eggs direct from Kellerstrass. Single Comb Buff Orpingtons (Cook's), 75c per 15, \$4.00 100. Choice hens \$1.50. Fred Schumann, Paola, Kan.

**CLOSING OUT** my entire flocks of genuine Kellerstrass Crystal White Orpingtons. A rare opportunity to procure stock and eggs so reasonably. Rev. O. S. Morrow, Topeka.

**SINGLE COMB BUFF ORPINGTONS** and Crystal White Orpingtons. Winners of first prize and Missouri state special prize, northwest Missouri Poultry association. Mating list free. F. W. Olney, Maryville, Mo.

**WHITE ORPINGTON** eggs from stock hatched from Kellerstrass \$30 eggs, at \$7.50 per 100. Pure M. B. turkey eggs at \$3.00 per eleven. Pure Wyckoff White S. C. Leghorn eggs at 4c per egg. Maud E. Lundin, Columbus, Kan.

**S. C. CRYSTAL WHITE ORPINGTONS,** Kellerstrass strain. Pens mated by cockerels direct from Kellerstrass \$20.00 matings. Eggs \$2 and \$3 for 15. Infertiles replaced free. Mrs. R. Heimbaugh, Sedan, Kan.

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**SINGLE COMB BUFF ORPINGTONS.** 11 years for eggs and quality. Eggs from fancy matings \$3.00 per 15. High class utility \$7.00 100. Ask for free mating list. Also strawberry plants cheap. J. F. Cox, Topeka, Kan., Rt. No. 8.

**DON'T OVERLOOK OVERLOOK FARM!** Home of better Orpingtons—buff, black, white. Eggs from my mated pens containing winners at Omaha, Kansas City, Sedalia, Topeka, Lawrence and Hutchinson, at \$3, \$5 and \$7.50 per setting. Get my mating list before ordering elsewhere. Cockerels at \$3 to \$15 each. Overlook Farm, Chas. Luengene, Prop., Box B 149, Topeka, Kan.

### DUCKS.

**INDIAN RUNNER** ducks—both kinds. J. R. Douglas, Mound City, Kan.

**BLUE SWEDISH** ducks. Eggs \$2.50 per setting. F. J. Pechanec, Timken, Kan.

**EGGS** from fawn and white I. R. ducks, \$1.00 per 15. Guy McAllister, Lyons, Kan.

**INDIAN RUNNER** duck eggs \$1 for 15. White eggs. W. T. Maynes, Densmore, Kan.

**FAWN AND WHITE** Runners. White egg strain eggs \$1.00 per 15. Celestia Esley, Exeter, Mo.

**RUNNER DUCK** eggs, white eggs, fawn and white. 15 \$1.00. Mrs. Rock, Rt. No. 8, Topeka, Kan.

**WHITE INDIAN** Runner ducks. Snyder and Grier strain. 13 eggs \$3.00. B. F. Graff, Erie, Kan.

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**INDIAN RUNNER** ducks and White Cochins Bantams. Catalogue. Harry E. Duncan, Humboldt, Kan.

**EGGS—White Runners, Fawn and White,** Buff Orpington duck and hen eggs. Mrs. T. N. Beckey, Linwood, Kan.

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**WHITE RUNNER** ducks and Rhode Island White chickens. Eggs for sale. Write for prices. Ida Buell, Xenia, Kan.

**INDIAN RUNNER,** Fawn and White drakes \$1.50. Pure white eggs \$1.25 for 12. Mrs. Dave Miller, Kincaid, Kansas.

**PURE WHITE MUSCOVY** ducks, something fine, \$2.50 per pair. Eggs \$1.50 per setting. E. H. Lennert, Abilene, Kan.

**FAWN AND WHITE** Indian Runner ducks (white egg strain). Eggs \$4 hundred. Western Home Poultry Yards, St. John, Kan.

**INDIAN RUNNERS** of quality; light fawn and white. White egg strain. Send for circular. Dr. E. H. Kilian, Manhattan, Ka.

**INDIAN RUNNER** ducks. Fawn and white. American Standard. Pure white eggs, \$1.50 15. A. Manley, Cottonwood Falls, Kan.

**BUFF ORPINGTON** ducks, lay, weigh, stay, pay. No crow's eggs—every egg white. Eggs \$2.00 for twelve. Sylvia Hall, Fredonia, Kan.

**INDIAN RUNNER** duck eggs and stock for sale. Also Banded Plymouth Rock eggs. Prices reasonable. Mrs. E. A. Anderson, Simpson, Kan.

**INDIAN RUNNERS,** American standard light fawn and white. White egg strain. Eggs \$1.50 per 13, \$4.50 per 50. Mrs. Otis Russell, Canton, Kan.

**FAWN AND WHITE RUNNER** ducks, white egg strain. White Orpingtons, Mottled Anconas; stock and eggs. College Hill Poultry Yds., Sterling, Kan.

**INDIAN RUNNER** ducks; pure white and fawn and white. Mottled Anconas and Buff Rocks. Stock and eggs for sale. G. W. Skinner, Baxter Springs, Kan.

**FAWN AND WHITE INDIAN RUNNER** eggs, fine color, shape and markings. \$1.00 per setting. S. C. Buff Orpingtons \$1.00. Ethel Hammons, Bronson, Kan.

**HIGHCLASS INDIAN** Runners. White eggers. American Standard and pure English type. Eggs \$1.00 to \$2.00 per 15. Free circular. Lillie Greve, Earlton, Kans.

**FAWN AND WHITE** and Brown and White Indian Runners, prize winners. White eggs exclusively. Eggs 13 for \$1.50, \$5.00 per 100. E. O. McKinney, Lafontaine, Kan.

**INDIAN RUNNER** ducks. American Standard light fawn and white. Prize winners. White eggs, \$1.50 per 15, \$4.00 per 50. Mrs. D. A. Pryor, Route 3, Fredonia, Kan.

**EGGS FROM BLUE AND BUFF** imported Orpington ducks, \$3.00 per dozen. Selected matings, \$5.00. Orpington ducks won two successive year egg laying contests. Emma Holtz, Wilbur, Neb.

**FAWN AND WHITE RUNNERS.** White eggs. Won 3 blue ribbons State Show, 1913. Per 15, \$2.50. Pen 2, \$1.50. Rose Comb Reds, excellent stock, 15 \$1. Julia Little, Conway Springs, Kan.

**EGGS BY PARCEL POST.** Fawn and White Runner ducks, \$1.25 per 11. Silver Wyandottes, pen \$2.25, range \$1.25 per 15. Bourbon Red turkey, \$3.25 per 11. Mrs. Cecile McGuire, Pratt, Kan.

**FAWN AND WHITE** Indian Runners, white eggs. Yard A. exhibition quality, \$2.50 per 15; yard L, \$1.50 per 15, \$4 per 50, \$8 per 100. Pure White Runners, eggs \$2.00 per 12. Free circular. Stover & Myers, Fredonia, Kan.

**INDIAN RUNNERS,** American Standard and English Penciled. Great laying ducks mated to drakes of racy carriage. Also Silver Wyandottes. Eggs \$2 for 15, \$3.75 for 30 delivered. Mrs. Ed Bergmann, Route 2, Paola, Kan.



**Reliable Poultry Breeders****LEGHORNS.**

**FINE S. C. W. LEGHORN** eggs, \$5 100. Geo. Patterson, Lyndon, Kan.

**S. C. BUFF LEGHORN** eggs from cup winners. F. Weeks, Belleville, Kan.

**ROSE COMB BROWN LEGHORNS.** Eggs \$3 per 100. Earl Eversoll, Agra, Kan.

**ROSE COMB BROWN LEGHORN** eggs, \$4.00 100. Mrs. Luther Smith, Perry, Mo.

**SINGLE COMB BROWN LEGHORNS.** Eggs 100 \$5. Mrs. Mattie Story, Cleo, Okla.

**SINGLE COMB BROWN LEGHORN** eggs, 100 \$3.00. Mrs. A. Anderson, Greenleaf, Kan.

**SINGLE COMB BROWN LEGHORN** eggs, \$4 per 100. Sophia Hunt, Blue Rapids, Kan.

**S. C. WHITE LEGHORN** eggs, 15 75c or 100 \$2.50. Mrs. Chas. A. Bullis, Spring Hill, Kan.

**SINGLE COMB WHITE LEGHORNS.** Eggs \$1.25 for 15. B. E. Anderson, Foss, Okla.

**S. C. WHITE LEGHORNS.** Choice stock. Eggs 15 \$1.00, 100 \$4.00. J. E. Lynch, Galatin, Mo.

**SINGLE COMB WHITE LEGHORN** eggs 15 \$1.00, 100 \$5.00. Royal Yeoman, Lawrence, Kan.

**ROSE COMB WHITE LEGHORN** eggs. Write for circulars. Jennie Martin, Frankfort, Kan.

**BUFF LEGHORNS.** Baby chicks 12½ cts. each. 100 eggs \$5. Mrs. John Wood, Solomon, Kan.

**WYCKOFF WHITE LEGHORN** eggs \$4 hundred. Western Home Poultry Yards, St. John, Kan.

**SINGLE COMB BROWN LEGHORNS.** None better. 100 eggs \$3.50. Mrs. Kenyon, Tyrone, Okla.

**S. C. B. LEGHORNS.** Eggs 75c per 15, \$4 per 100. Mrs. Chas. Ellison, Braman, Okla., R. R. No. 2.

**SELECT Single Comb White Leghorn** eggs. Fifteen \$1. Hundred \$5. Chas. Thomas, Zurich, Kan.

**SINGLE COMB WHITE LEGHORNS** exclusively. Eggs, 100 \$5.00. Hattie Roth, Milton, Kan.

**THOROUGHbred S. C. Brown Leghorn** eggs \$3 per 100. Hulda Kearns, Girard, Kan., Route 2.

**ROSE COMB BROWN LEGHORN** eggs 5c each. \$4.00 per hundred. Tillie Wilkins, Miltonvale, Kan.

**PURE S. C. BROWN LEGHORNS,** exclusively. Eggs, 30 \$1.00, 100 \$3.00. S. Oveson, Osage City, Kan.

**ROSE COMB WHITE LEGHORN** eggs \$1.00 setting, \$4.00 per 100. Cora Chittenden, Liberal, Kan.

**PURE S. C. B. LEGHORN** eggs \$3.00 per 100. Safe delivery guaranteed. C. V. Douglas, Tecumseh, Neb.

**TOP NOTCH S. C. White Leghorns.** Superior layers. Eggs, chicks. Armstrong Bros., Arthur, Mo.

**ROSE COMB B. LEGHORN** eggs. Quality first class. Specialty 11 years. Olive Hoskins, Fowler, Kan.

**PURE BROWN ROSE COMB LEGHORN** eggs 3½ cents each; 100 \$3.50. Laura A. Hazen, Hollis, Kan.

**S. C. WHITE LEGHORN** eggs, \$1.00 per 15. White Orpington, \$1.50. Chas. S. Bordner, Circleville, Kan.

**S. C. BUFF LEGHORNS.** Eggs from choice birds. 30 \$2.00, 100 \$4.50. J. A. Reed, Route 2, Lyons, Kan.

**PURE Single Comb White Leghorn** eggs, 15 \$1.00, 100 \$4.00. Cockerels \$1.00. R. H. Weikman, Woodbine, Kan.

**EGGS from pure bred White Leghorns.** Both combs. 15 \$1.00, 100 \$4.50. R. J. Edgar, Dodge City, Kan.

**ROSE COMB White Leghorn** eggs 15, \$1.00; 100 eggs \$5.00. Mrs. J. B. Barmettlor, R. No. 1, Ralston, Okla.

**S. C. WHITE LEGHORNS.** Free range; great layers. Eggs, 100 \$3.00, 13 75c. C. B. Wilson, Burlingame, Kan.

**SINGLE COMB WHITE LEGHORNS,** the big thrifty kind; 15 eggs 75c, 100 \$4.00. C. W. Connelly, Wellston, Okla.

**S. C. WHITE LEGHORN** eggs reasonable. Exhibition or utility. Write for matings. Del J. Howard, Chester, Neb.

**EGGS FOR HATCHING.** Pure bred S. C. W. Leghorns. \$4.50 per 115, \$1.00 per 15. Adolph Berg, McPherson, Kan.

**HART'S Single Comb Buff Leghorns** are layers, winners and payers. Prices reasonable. W. D. Hart, Ashland, Mo.

**SINGLE COMB Brown Leghorns.** Free Range. Eggs 15, 75c; 100, \$4.00. Mrs. Henry Wohler, Hillsboro, Kansas.

**SINGLE COMB White Leghorns** exclusively. 15 eggs \$1.00; 50, \$3.00; 100, \$5.00. R. E. Davis, Holton, Kans., Route 5.

**S. C. WHITE LEGHORNS.** Bred to lay. Eggs, 15 \$1.00, 100 \$4.00. Satisfaction guaranteed. R. W. Gage, Garnett, Kan.

**EGGS FROM PURE BRED S. C. White Leghorns.** \$3.00 per hundred. Extra fine stock. Harry Givens, Madison, Kan.

**PURE S. C. WHITE LEGHORN** eggs \$1.00 and \$2.00 per 15. Hens score from 91 to 95. E. A. Sprague, Prairie View, Kan.

**ROSE COMB WHITE LEGHORN** eggs. Fifteen, one dollar. One hundred, five dollars. Mrs. C. S. Wade, Miltonvale, Kan.

**Reliable Poultry Breeders****LEGHORNS.**

**IF YOU** want egg producers write for my mating list. S. C. W. Leghorns. A. L. Buchanan, Lincoln, Kan.

**DORR'S** prize winning pure Single Comb Brown Leghorns. Eggs \$3.50 per 100; \$2 \$1.25. Chas. Dorr & Sons, Osage City, Kan.

**ROSE AND SINGLE COMB Brown Leghorns.** Winners. Eggs, 75c per 15, \$4.00 per 100. Mrs. Ida Standiford, Reading, Kan.

**SINGLE COMB BROWN LEGHORNS.** Choice stock; farm raised. Eggs \$1.00 per 15, \$5.00 per 100. Mattie Um, Kincaid, Kan.

**EGGS FOR HATCHING.** Single Comb White Leghorns. Only bred on farm. Satisfaction guaranteed. Miss Skelley, Delta, Kan.

**SINGLE COMB BROWN LEGHORN** eggs, 75 cents for 15, \$3.00 per 100. Choice stock, fertility guaranteed. Barker Bros., Indianola, Iowa.

**PURE S. C. WHITE LEGHORNS** (Wyckoff strain), farm raised, 75c 15, \$3.50 per hundred. Mrs. W. S. Bradley, R. F. D. No. 6, Enid, Okla.

**S. C. BUFF LEGHORNS.** Shape and color specials and silver cup won wherever shown. Eggs, 15 \$1.00, 100 \$4.00. Geo. Dorr, Osage City, Kan.

**SINGLE COMB WHITE LEGHORN** 1st pen, Standard I. R. duck, Pearl Guinea eggs, \$1 setting, 100 \$6. Pearl W. Usher, Eustis, Neb.

**SINGLE COMB BROWN LEGHORNS.** 52 prizes at Newton, Arkansas City, Hutchinson, Wichita. Eggs \$5.00 per 100. W. J. Roof, Maize, Kan.

**ROSE COMB BROWN LEGHORN** range stock. Eggs \$3.00 per hundred, 75c per setting. Safe delivery guaranteed. O. C. Haworth, Fowler, Kan.

**BUFF LEGHORNS,** raised exclusively 7 years. Choice birds. Hens, \$1 each, \$10 dozen. Eggs, 15 \$1, 100 \$4. Cyrus Gittings, Winfield, Kan., Route 1.

**ROSE COMB BUFF LEGHORNS** exclusively. Vigorous, heavy laying strain; 15 selected eggs \$1.50. Goldenrod Poultry Farm, Mesa, Colo.

**IF YOU** are looking for blue blood write me for latest mating list and show record. Bradshaw, the Single Comb White Leghorn man, Ellsworth, Kan.

**EGGS HIGH-SCORING S. C. White Leghorns,** (also stock) 15 \$1.00, 100 \$5.00. S. Sp. Hamburgs, grand pen, 15 \$2.00. Vira Bailey, Kinsley, Kan.

**DORR'S** prize Rose Comb White Leghorns, grand champion silver medal winners. Eggs \$1.00 per 15, \$5.00 per 100. A. G. Dorr, Osage City, Kan., Route No. 5.

**S. C. BROWN LEGHORNS.** Mated pens from prize winners and utility eggs reasonable. Fertility guaranteed. Circular free. Chas. Lorenz, Hitchcock, Okla.

**SINGLE COMB BROWN LEGHORNS.** Standard birds. Farm raised, vigorous, extra heavy layers. Eggs \$4.00 per 100. Mrs. J. A. Jacobs, Manchester, Okla.

**S. C. W. LEGHORNS** of quality. Standard bred, heavy egg producers. Eggs. Orders booked now. Prices right. Mating list, Freeman & Post, Colony, Kan.

**PRIZE WINNERS.** S. C. Buff Leghorns. 100 eggs \$4.00. 15 75 cts. Baby chicks 10c. Indian Runner ducks, light fawn and white, 13 eggs \$1.00. Ella Beatty, Lyndon, Kan.

**ROSE AND SINGLE COMB Brown Leghorns.** Prize winners and egg production. Guaranteed 90 per cent fertile. Eggs, \$1.25 15, \$5.00 100. M. Earnshaw, Lebo, Kan.

**SINGLE COMB BROWN LEGHORNS** exclusively for 10 years. High-scoring, heavy laying strain. None better. Eggs at farmer's prices. J. F. Crandall, Barnes, Kan.

**RANGE RAISED** laying Leghorns, S. C. White. High scoring stock with size and quality. This breed my specialty. Stock, eggs. Circular. Alex Spong, Chanute, Kan.

**HATCHING EGGS** from "bred to lay" S. C. W. Leghorns at \$1.00 per setting of 15, \$2.50 per 50 eggs and \$4.00 per hundred. Peter Hoffmann, Pretty Prairie, R. 1, Kan.

**S. C. W. LEGHORNS.** My specialty 24 years. Snow white, persistent layers, vigorous, beautiful and debt payers. Eggs, \$1.50 for 15; \$5 per 100. Geo. S. Phillips, Tecumseh, Neb.

**SINGLE COMB WHITE LEGHORNS,** from prize winning stock. Cockerels, hens, \$1 each. Eggs, \$1 per 15, \$5 per 100. Mrs. Fred Bursack, Udall, Kan., Route 3, Cowley Co.

**SINGLE COMB White Leghorns.** High scoring birds, winners of silver cup. Eggs \$1.00 for 15 or \$5.00 per 100. I make a specialty in packing. Mrs. C. R. Clemmons, Coffeyville, Kan.

**S. C. WHITE LEGHORNS.** Eggs for sale. America's two best laying strains, Blanchard and Wyckoff direct. \$5 a hundred. Strains separate. Mating fine. Mrs. Elsie Thompson, R. No. 5, Mankato, Kan.

**WHITE RUNNERS** and Single Comb White Leghorns. Eggs from trap-nested stock cheaper than asked for guess-work breeding. Free catalog, pictures of Runners and Leghorns. Send for it. Jas. R. Snyder, Box T, Frazer, Mo.

**SINGLE COMB WHITE LEGHORNS.** Finest eggs \$1.50 per setting, \$3.50 per 50, \$6.00 per 100. If hurried, your money-order without correspondence promptly brings best eggs in best condition. Many birds score 95 to 96½. Mrs. Albert Ray, Delavan, Kan.

**Reliable Poultry Breeders****LEGHORNS.**

**CHERRY GROVE POULTRY FARM,** Rockyford, Colo. Thoroughbred Single Comb White Leghorns. Winter laying strain. Cockerels and pullets for sale. Orders taken for baby chicks. J. A. Hochstetler.

**ROSE COMB WHITE LEGHORN** eggs for sale. From Pen No. 1 \$3.00 for 15 or \$4.00 for 30; pen No. 2, \$1.50 for 15 or \$2.00 for 30; pen No. 3, \$1.00 for 15 or \$1.50 for 30. Mrs. W. E. Masters, Manhattan, Kan.

**YOU'LL CROW** as others are doing when the eggs hatch from our Single Comb White Leghorns, blue ribbon winners. Progressive layers of a large white egg. Catalog free. Thol. R. Wolfe, Conway Springs, Kan.

**CLOSING OUT.** 28 Single Comb White Leghorns, best in the West. Cock and cockerel from Parkside (Pekin, Ill.) Yards. All healthy, large, high scoring birds. Good opportunity to start a Leghorn farm at a low price. Price only \$35.00; will ship C. O. D. subject to examination at express office on receipt of \$5.00. This price is half their original cost. S. J. Franklin, Huron, Kan.

**WYANDOTTES.**

**WHITE WYANDOTTE** eggs and fowls. G. D. Willems, Inman, Kan.

**GOLDEN WYANDOTTES.** 23 years J. R. Douglas, Mound City, Kan.

**WHITE WYANDOTTES.** Eggs \$4 100. Mrs. M. F. Austin, Miltonvale, Kan.

**COLUMBIAN Wyandotte** eggs. Mating list free. G. D. Willems, Inman, Kan.

**WHITE WYANDOTTE** eggs, 15 \$1.00, 100 \$4.00. Mrs. J. R. Antram, Galesburg, Kan.

**CHOICE SILVER WYANDOTTE** eggs \$1.25 per 15. Mrs. D. Edwin Shuff, Plevna, Kan.

**SILVER WYANDOTTES,** prize winners; 100 eggs \$5.00. Mrs. J. W. Gause, Emporia, Kan.

**WHITE WYANDOTTE** eggs, 15 \$1.00, 100 \$5.00. Mrs. Geo. Downie, Route 2, Lyndon, Kan.

**PARTRIDGE WYANDOTTE** eggs for hatching. Mrs. Geo. Church, Burlington, Colo.

**GOLDEN WYANDOTTE** eggs from prize winning stock. M. M. Donges, Belleville, Kan.

**R. C. GOLDEN WYANDOTTE** eggs, \$4.00 and \$5.00 per hundred. F. E. Bean, Reasnor, Iowa.

**SILVER LACED WYANDOTTE** eggs, \$1.00 15, \$5.00 100. Alvin Tennyson, Miltonvale, Kan.

**WHITE WYANDOTTES.** Eggs for hatching. \$5.00 per 100. Mrs. John Long, Melvern, Kan.

**PARTRIDGE WYANDOTTE** eggs, 15 for \$1.50, 100 for \$5.00. T. F. Pine, Lawrence, Kan.

**SILVER LACED WYANDOTTE** eggs, \$1.00 per setting, \$4.00 for 100. Guy Barnes, Milton, Kan.

**WHITE WYANDOTTES.** Farm range. Eggs, fifteen \$1.00, 100 \$5.00. Mary Scott, Chase, Kan.

**WHITE WYANDOTTES** exclusively. Eggs, 100 \$4.50, 30 \$1.75. Mrs. Will Beightel, Holton, Kan.

**SILVER LACED WYANDOTTES.** Eggs, \$1.00 15, \$5.00 100. Mrs. W. R. Stump, Blue Rapids, Kan.

**COLUMBIAN WYANDOTTES.** Select matings. Eggs, \$2.00 per 15. B. F. Martin, Dodge City, Kan.

**SILVER LACED WYANDOTTE** eggs from pen, 15 \$1.50 or \$5 per 100. Henry Blase, Sylvan Grove, Kan.

**GOLDEN WYANDOTTE** eggs from prize winning stock \$2 per fifteen. R. P. Graves, Cassville, Mo., No. 3.

**WHITE WYANDOTTE** eggs, 15 75c, 100 \$3.50. More special price. Ideal Poultry Yards, Wayne, Kan.

**FOR SALE—Full blood Golden Wyandottes.** Eggs 60 cents for 15 eggs. R. L. C. No. 2, Sedgwick, Kan.

**WHITE WYANDOTTES.** Winners wherever shown. Eggs, 15 \$1, 50 \$2.50. Ira Abbey, Pleasanton, Kan.

**EGGS FOR HATCHING** from choice White Wyandottes, \$1.00 per 15. H. M. Harrington, Clearwater, Kan.

**ROSE COMB Silver Laced Wyandotte** eggs, 100 \$4.00, setting 75c. Mrs. Emma Downs, Lyndon, Kan.

**WHITE WYANDOTTE** eggs \$1.00 per setting, 2 settings \$1.75. \$5.00 per 100. Mrs. Geo. E. Jones, Topeka, Kan.

**SILVER WYANDOTTES.** Winners wherever shown. 100 flock eggs \$4.00. Mrs. C. C. Henderson, Solomon, Kan.

**SILVER WYANDOTTES.** Fine laying strain. Eggs \$1.00 15; \$5.00 100. Pen Stock. W. D. Ross, Wakita, Okla.

**WHITE WYANDOTTES.** Day old chicks and eggs. Write for circular. Mrs. M. E. Johnson, Humboldt, Kan., R. 2.

**CHOICE MATED Buff Wyandotte** eggs, fifteen \$1.50; fifty \$3.00; hundred \$5.00. John P. Ruppenthal, Russell, Kan.

**GOLDEN WYANDOTTES.** Eggs, 15 \$1.00. Parcel post. 100 \$4.00. Hens, six \$5.00. Mrs. John Jevons, Wakefield, Kan.

**WHITE WYANDOTTES.** Fancy stock—Pen No. 1, hens scoring to 94½, cockerel 95. Eggs \$2.50 setting. Farm range—cockerel 94 points, \$1.25 setting, \$5.00 hundred. Mammoth Bronze turkeys \$2.50 setting. I. E. Pixley, Wamego, Kan.

**Reliable Poultry Breeders****WYANDOTTES.**

**WHITE WYANDOTTE** eggs, from birds scoring to 95, \$1.50 per 15, \$2.50 per 30. Frank Henderson, Solomon, Kan.

**CHOICE WHITE WYANDOTTES.** Eggs for hatching, \$1.00 15, \$5.00 per 100. Laura M. Wing, Benedict, Kan., R. 1.

**WYANDOTTE** eggs, Silver Laced, \$1.00 for 15, \$5.00 for 100. Columbian, \$2.00 for 15. Mrs. Janie Hunt, Lebo, Kan.

**WHITE WYANDOTTE** eggs, from high class birds, 15 \$1.50, 50 \$3.50, 100 \$6.00. C. E. Crane, Conway Springs, Kan.

**FARM RAISED Silver Wyandottes.** Eggs \$1 15, \$5.00 100. Baby chicks \$10 per hundred. Julia Haynes, Baileyville, Kan.

**WHITE WYANDOTTES.** Stock and eggs for sale; mating list free. Also fox terrier dogs. Ginette & Ginette, Florence, Kan.

**MRS. M. G. MOHLER,** White Wyandotte Specialist, Almont, Kan. Blue Ribbon layers—eggs \$3.75 100. Baby chicks 12½c.

**PEARCE'S WHITE WYANDOTTES** will produce show birds. Eggs \$1.00 per 15, \$4.00 per 100. Willis L. Pearce, Manhattan, Kan.

**WHITE WYANDOTTE** eggs from large, blocky, farm raised prize winners. 100 \$4, 50 \$1.50. Mrs. J. M. Bullock, Winfield, Kan.

**WHITE WYANDOTTE** eggs 15, for 75c., \$4.00 per 100. Special price on larger numbers. Mrs. H. G. Stewart, Tampa, Kan.

**WHITE WYANDOTTES.** Eggs fifty cents for fifteen, three dollars per hundred. Cockerels \$1.00 each. Alice Sellers, Mahaska, Kan.

**FREE RANGE Partridge Wyandottes** exclusively. Doolittle strain eggs \$1.00, 15, \$5.00, 100. Mrs. L. M. Ayers, Centralia, Kansas.

**WHITE WYANDOTTES,** Houdans, Indian Runner ducks. Eggs for hatching from prize winning stock. Mrs. D. T. Smith & Sons, Burns, Kan.

**COLUMBIAN WYANDOTTE** eggs \$1.60 per 15 delivered. Safe delivery guaranteed by parcel post. Address Walter Hogue, Fairfield, Neb.

**SHOW WHITE WYANDOTTES.** Bred to ay. Eggs from Kan. best stock. Special mating \$2.00, utility \$3.00. Mrs. L. J. Fulk, Winfield, Kan.

**BUFF WYANDOTTES.** Eight prize winners, red eyes, non-related, scoring 90 to 93½. Eggs, \$2.50, \$1.50 and \$1.00 per 15. Shook & Patt, Esbon, Kan.

**WHITE WYANDOTTES—Farm range,** alfalfa fed, vigorous, winter laying strain. Eggs and baby chicks. Mrs. F. K. Cropsey, Route 3, Lincoln, Neb.

**SILVER LACED Wyandottes** exclusively 16 years a breeder, eggs from choice matings \$2.00 per 15. Utility stock \$1.00 per 15. W. A. Hunter, Manhattan, Kan.

**SILVER LACED WYANDOTTES—Eggs,** 15 \$1.00, 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. F. W. Bethke, Lebo, Kan.

**"PIX" BUFF WYANDOTTES—Prize winners.** Breeding stock; baby chicks; eggs for hatching. Prices right. Write for mating list now. Geo. B. Pickering, Olathe, Kan.

**WHITE WYANDOTTES** bred to lay. Keeler-Martin strains. Eggs \$1.00, 15; \$5.00 100, \$2.50. Choicest matings; fine stock to sell; satisfaction assured. Dr. J. H. Brown, Centralia, Kan.

**SILVER LACED WYANDOTTES—Eggs,** 15 \$1.00; 100 eggs \$5.00. I guarantee 60 per cent hatch or will duplicate order at half price. Write for circular or order direct. S. B. Dressler, Lebo, Kan.

**GOLDEN WYANDOTTES.** Eggs from pen headed by 1st and 2nd cockerels at State Show \$1.50 per 15, \$4.00 per 50. Eggs from elegant prize mating \$2.50 per 15. Description free. F. O. Rindom, Liberal, Kan.

**BUFF WYANDOTTES—Booking orders** now for eggs and baby chicks. Eggs \$2.50 per 15; baby chicks 25 cents each. Eggs from utility pen \$1.50 per 15. We won first cockerel, second hen and third pen at State Poultry Show. Send for mating list. Wheeler & Wylie, Manhattan, Kan.

**WHITE WYANDOTTE** prize winners. Best for all purposes. At the Arkansas Valley Poultry Show, Hutchinson, Kansas, we won 1st cock, 1st, 2nd, 3rd, 4th hen, 1st, 2nd pullet, 1st pen. Eggs, cockerels and day-old chicks for sale. Our breed is right. Our prices are right. Mating list free. Alford & Talbot, 823 4th East, Hutchinson, Kan.

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**CORNISH** eggs; scored and unscored; mating list ready. D. P. Neher, McCune, Kan.

**CORNISH.** Prize winning dark Cornish eggs—\$2.00 and \$3.00 per 15; \$5.00 and \$7.00 per 100. Fred Sieglinger, Lone Wolf, Oklahoma.

**WHITE CORNISH** eggs from winners at Baltimore and other big shows, including first hen Baltimore, 1913. Wonderful layers. \$2 per 15. 10 years with Cornish. J. W. Southmayd, Mounds, Okla.

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**THOROUGHbred Toulouse** goose eggs 50 cts. setting. P. B. Cole, Sharon, Kan.

**EGGS** from large Mammoth Toulouse geese, \$1.00 per setting. A few good young ganders \$2.00 each. S. H. Lenhart, Abilene, Kan.



**Reliable Poultry Breeders**

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**WHITE ROCK** eggs, 15 75c, 100 \$3.50. D. S. Cumming, Adair, Okla.

**PURE BARRED ROCK** eggs, \$1.50 per 15. W. J. Rye, Albany, Mo.

**WHITE ROCK** eggs, 15 \$1.25, 100 \$5.00. G. R. McBurney, Quinter, Kan.

**FINE WHITE ROCK** eggs, 50, 100, \$3.00. Gussie Myer, R. 1, Ponca, Okla.

**BARRED ROCK** eggs 15, \$1.00; \$5.00 per 100. Bertha Evans, Lyons, Kan.

**BUFF ROCK** eggs from prize winners. Mrs. W. A. White, Unlontown, Kan.

**PURE BARRED ROCK** eggs, 15 \$1, 100 \$5. Mrs. H. Buchanan, Abilene, Kan.

**BARRED ROCK** eggs, choice stock, 3c each. Wm. Speelman, Marysville, Kan.

**PURE BRED Barred Plymouth Rock** eggs \$1.50 per 15. Fred Warren, Todd, Okla.

**BUFF ROCK** eggs \$1 per setting, \$5 per hundred. William Small, Wilson, Kan.

**BARRED ROCK** eggs, \$1.00 per 15, \$4.00 per 100. Wm. Brucker, Jamestown, Kan.

**BUFF ROCK EGGS** \$2.25 per 50; \$1.00 per 15. J. H. Mellenbruch, Morrill, Kan.

**BUFF ROCK** eggs from weathers, layers, payers. Mrs. Lloyd Clark, Hazelton, Kan.

**QUALITY WHITE ROCKS.** Eggs for hatching. J. A. Kauffman, Abilene, Kans.

**BUFF ROCK** eggs from good quality stock. Mrs. Perry Myers, Fredonia, Kan.

**SHELLEY BROS.** pullet line. Eggs, 15 \$1.50, 60 \$5.00. Oscar Daub, Elmdale, Kan.

**WHITE ROCKS.** Fishel strain. Eggs, 15 \$1.25, 100 \$5.00. Mrs. Frank Powell, Buffalo, Kan.

**BARRED ROCK** eggs, 15 \$1.50. Extra fine quality. Write Milton Delhl, Lawrence, Kan.

**BEST EGGS** for hatching. Barred Rocks, \$5 per 100. Mrs. Albert Goheen, Manhattan, Kan.

**"RINGLET" BARRED ROCK** eggs, four dollars per hundred. Chas. Carey, Peabody, Kan.

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**PURE BARRED ROCK** eggs, 15 75c, 100 \$4.00. Mrs. Grace Anderson, Hiawatha, Kan., R. 1.

**PURE BRED WHITE ROCK** eggs \$1.00 setting. R. 2, Manhattan, Kan. W. J. Johnston.

**BARRED ROCKS** exclusively. Eggs, 100 \$4.50, 30 \$1.75. Catherine Beightel, Holton, Kan.

**WHITE ROCKS.** Free range. Eggs, 15 75c; 100 \$3.00. H. F. Richter, Hillsboro, Kan., R. 3.

**BARRED ROCK** eggs from prize winning stock, \$1.50 per 15. J. K. Searles, Farmington, Kan.

**BARRED PLYMOUTH ROCK** eggs, 100 \$4.00. Setting 75c. Mrs. Julia Keim, Scranton, Kan.

**BARRED P. ROCK** eggs for sale, 5 cts. per egg. Mrs. M. A. Luft, Almena, Kan., Norton Co.

**BARRED ROCKS.** Fine, vigorous farm flock. 50 eggs \$2. Mrs. Ernest Rowe, Jewell, Kan.

**EGGS** from prize Buff Rocks, \$2.00 15; good cockerels reasonable. A. L. Nice, Columbus, Kan.

**FANCY BARRED ROCK** eggs, mated pens, \$1.50 to \$2.50 per setting. M. P. Thelen, Russell, Kan.

**BAKER'S BARRED ROCK** eggs, 15 \$1.00, 100 \$5.00. Dane Baker, R. No. 2, Conway Springs, Kan.

**PLYMOUTH ROCK** eggs for sale at \$1.00 per setting, \$3.00 per 100. Ernest Peters, Lorraine, Kan.

**BUFF ROCK** eggs \$1 the setting. Cockerels \$1 to \$3. Mrs. S. H. Hendrickson, Okene, Okla.

**WHITE ROCK** eggs, farm range, 15 \$1.00, 50 \$2.50, 100 \$4.00. R. M. Rehm, Hutchinson, Kan., Route 1.

**WHITE ROCK** cockerels and eggs. Fine, pure white. Write W. J. Lewis, Lock Box 153, Lebo, Kan.

**100 BUFF ROCK** eggs \$4.00. From pens \$1.50 and \$3.00 per 15. Mrs. M. E. Stevens, Humboldt, Kan.

**BARRED ROCKS,** prize winners. Eggs, \$1 for 15, \$5 per 100. E. O. McKinney, Lafontaine, Kan.

**PRIZE WINNING** White Rocks. Sixteen eggs \$1.00, delivered by parcels post. Lillie York, Lowrey, Okla.

**BARRED PLYMOUTH ROCK** eggs \$1 per 15, \$5 per 100. Farm raised. Eliza Thomas, Silver Lake, Kan.

**PURE BRED** Barred Plymouth Rocks exclusively. Eggs, 15 75c; 100 \$3.50. S. B. Shaw, R. 3, Goff, Kan.

**FOR SALE**—Pure White Rock eggs. Price 15 for \$1.50, 100 \$5.00. Ida Baugh, Kincaid, Kan., Route 2.

**PARTRIDGE PLYMOUTH** Rocks and S. C. Buff Orpingtons. All scored birds (State Show winners). Won in 6 different shows last winter. As good as your money can buy. Eggs for hatching \$3.00 for fifteen, \$5.00 for 30. G. W. Nicholas, DeWitt, Neb.

**Reliable Poultry Breeders**

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**BUFF ROCK** eggs from first prize winners, \$1.50 per 15; \$6 per 100. E. L. Stephens, Garden City, Kan.

**WHITE PLYMOUTH ROCKS**—Eggs from show winners \$1.50 per 15, 100 \$5.00. W. H. Beaver, St. John, Kan.

**PURE BRED** White Plymouth Rocks, Beauties. Eggs for hatching. Mrs. Elmer Lane, Burlington, Kan.

**BUFF PLYMOUTH ROCKS**—Eggs and baby chicks at reasonable prices. Mrs. Fred Miller, Wakefield, Kan.

**EXTRA FINE** White Rock eggs for sale setting \$1 or \$5.00 100. Mrs. W. H. Foster, Garnett, Kan., R. No. 2.

**BARRED ROCK** eggs from prize winner strain, \$1.50 setting. Cockerels \$2.50. Clark Smith, Claremore, Okla.

**EGGS** from Barred Rocks. Fine matings. Good size and shape; 100 \$4.00, 15 \$1.50. Chas. Hills, Wahoo, Neb.

**EGGS** from pedigreed Barred Rocks \$1.50 per 15, express paid. Catalog free. Gus Schaback, Atchison, Kan.

**BARRED ROCKS** exclusively; 8 years' careful breeding. Eggs, 15 \$1.00, prepaid. Jeff Burt, Macksville, Kan.

**WHITE ROCKS**—Scored to 94% by Stoner. Eggs, \$1.00 15, \$4.00 100. Mrs. J. W. Hoornbeek, Winfield, Kan.

**BARRED ROCK** eggs. Prize winning stock. \$1.50 for 15, \$7.00 per 100. Star Breeding Farm, Elk City, Kan.

**WHITE PLYMOUTH ROCKS.** Great prize winners. Eggs reasonable. Write for prices. Sidney Schmidt, Chillicothe, Mo.

**BARRED ROCKS**—Eggs \$1.00 15, \$2.50 50. Scored stock \$2.00 15. Mrs. A. M. Markley, Mound City, Kan.

**WARRENBURG'S** Barred Rocks. Eggs, 15 \$3.00, 100 \$12. Quality makes price. O. Warrenburg, Centralia, Kan.

**PURE BRED BARRED ROCKS** exclusively. Eggs for hatching, 15 \$1.00, 100 \$5.00. Mrs. C. E. Moore, Horton, Kan.

**BARRED ROCK** eggs, 15 \$1.00, 50 \$2.50, 100 \$4.00. From pens \$3.00 and \$1.50 per 15. Mrs. C. N. Bailey, Lyndon, Kan.

**WHITE PLUME POULTRY FARM,** Bogue, Kan. White Rocks, baby chicks, eggs; White H. turkeys, White Pekin ducks.

**IVORY WHITE ROCK** eggs from special mating, \$3.00 15. Grand farm flock, \$5.00 100. Minnie Clark, Haven, Kan.

**BIG TYPE BARRED ROCKS.** Thirty-five years' scientific breeding. Eggs and stock. A. H. Duff, Larned, Kan.

**IVORY WHITE ROCKS.** 1st prize winners. Eggs 1st pen \$2.50, utility \$1.00 per 15. Herman Steckel, Woodbine, Kan.

**PURE BRED WHITE ROCKS.** Farm range. Eggs, 15 \$1.25, 100 \$4.00. Satisfaction guaranteed. G. M. Kretz, Clifton, Kan.

**BARRED ROCK EGGS.** Utility stock. Fifteen \$1, fifty \$2.25, one-hundred \$4. A. D. Morrison, Route 2, Iola, Kan.

**PURE BRED BARRED ROCKS;** farm raised. Eggs, 15 \$1.25, 30 \$2.00, 100 \$5.00. Mrs. John Yowell, McPherson, Kan.

**FRED HALL'S** Barred Rocks have won 60 premiums in 1912 and 1913. Eggs \$2.50 and \$1.50 per 15. Lone Wolf, Okla.

**WHITE ROCK** eggs from birds scoring 93 to 96% points, by Atherton. 15 \$2.00, 30 for \$3.00. W. T. Blackwell, Quinter, Kan.

**WHITE ROCK EGGS,** best strains, extra layers, \$1 for setting, \$5 per one hundred. Mrs. E. E. Williams, Sabetha, Kan.

**PARTRIDGE ROCKS**—Winners 18 ribbons Oklahoma, Ind., Caldwell. Eggs \$2, \$3, 15. D. G. Dawson, Hennessey, Okla.

**BARRED ROCK** eggs; fine exhibition matings; fifteen eggs \$3.00, 30 eggs \$5.00. Frank McCormack, Morrowville, Kan.

**EGGS**—Buff and Partridge Rocks. Great winter laying strain. Prices and quality right. W. F. Alden, Ellsworth, Kan.

**FOR SALE**—Extra fine Buff Rock cockerels. Address E. S. Pettyjohn, 723 West Sixth street, Topeka, Kan. Phone 3212.

**WAGNER'S BARRED ROCK** prize winners; eggs \$1.50, \$2.00. Write for mating list. Mrs. E. C. Wagner, Holton, Kan.

**WHITE ROCKS EXCLUSIVELY**—Bred 12 years. Eggs well packed \$1.00 per 15, \$5.00 per 100. S. M. Chestnut, Holton, Kan.

**BARRED ROCKS,** Blue Jacket Ringlets laying strain. Eggs for hatching, pen and utility. Mrs. P. A. Pettis, Wathena, Kan.

**BARRED ROCKS,** large type, bred for winter laying. Eggs, \$1.00 per 15, \$5.00 100. Rosa M. Shreckengast, Kaw City, Okla.

**MAMMOTH** Snow White Rocks. Bred 10 years from world's best strains. Egg circular free. Charles Vories, Wathena, Kan.

**BUFF ROCK** eggs by parcel post from quality stock at reasonable prices. Write today. William A. Hess, Humboldt, Kan.

**WHITE P. ROCKS.** Eggs for hatching. Range, 100 \$2.50. Excellent stock. Mrs. C. E. Peterson, Windom, Kan., R. 1, Box 65.

**THOMPSON'S "Ringlet"** Barred Rocks. Best layers, finely barred. Fifteen eggs \$1, 100 for \$5. Tracy's, Conway Springs, Kan.

**BARRED ROCKS,** winning first cockerel, pullet, pen, American Royal, Topeka, Hutchinson; first cockerel Mo. State; first pullet, pen, Kan. State. Eggs ten dollars hundred up. Male heading yard two on cover page this paper. Circular. Topeka—Thompson and O'Gara—Kansas.

**Reliable Poultry Breeders**

**PLYMOUTH ROCKS.**

**BLUE VALLEY BREEDING FARM**—No. 1 B. P. Rock eggs for hatching \$3.50 per 100, express paid. Fred R. Cottrell, Irving, Kan.

**PURE BRED BARRED ROCKS** exclusively. Eggs \$1.00 per 15, \$4.00 per 100. Safe arrival guaranteed. C. E. Romary, Olivet, Kan.

**WHITE ROCKS** exclusively. Eggs from my three special matings, containing prize winners \$1.50 per 15. Frank Lott, Danville, Kan.

**WHITE IVORY ROCKS.** Two pens mated from prize winners past season. Settings reasonable. A. F. Holmgren, Lincolnville, Kan.

**BARRED ROCKS**—Weigher-layer. 103 premiums. Eggs \$1.00 15, \$5.00 100. Special matings \$3.00 15, \$5.00 30. W. Opfer, Clay Center, Kan.

**WHITE ROCK** eggs from best mating, \$1.50 per 15, \$5.00 per 100. "Fishel strain." Satisfaction guaranteed. Mrs. Wm. Lemkuil, Fairfield, Neb.

**BARRED ROCK** eggs. Cockerels from choice scored stock; red eyes, yellow beaks and legs. Latham strain. Mrs. H. Schmidt, Humboldt, Kan.

**BARRED ROCKS**—Fine birds chosen especially for color and size. 15 eggs for \$1.00. C. D. McIlree, Lorraine, Kan. Member Kansas Poultry Federation.

**BARRED PLYMOUTH ROCK** eggs, thoroughbred, fifteen \$1.25, hundred \$5.00 prepaid. Nebraska, Kansas. Ethel Richardson, Belleville, Kan.

**WHITE ROCKS** only for 16 years; large flock. Can fill large orders promptly. \$1.00 per 15, \$4.00 per 100 eggs. Josias Lambert, Smith Center, Kansas.

**PLYMOUTH ROCKS** that are Barred. State Show winners. Both matings. Eggs \$2.50 per 15 up. Write for mating list. C. V. LaDow, Fredonia, Kan.

**THOMPSON'S "Ringlet"** Barred Rocks, great layers, finely barred. Fifteen eggs one dollar; one hundred, five dollars. Tracy's, Conway Springs, Kan.

**STANDARD BRED** Rocks. Single Comb Barred Rocks. Bred for utility. Eggs 15, \$1.00; 50, \$3.00; 100, \$5.00. 12 years a breeder. E. B. Dorman, Paola, Kan.

**BUFF P. ROCKS.** Eggs from prize winners, high scoring birds, won silver cup for best pen in American class. Write for special price. J. S. Humphrey, Pratt, Kan.

**BARRED PLYMOUTH ROCKS** exclusively—Ringlet strain; good layers, rich color, fine, narrow, regular barring to the skin and good size. \$2 per 15 eggs. L. P. Coblenz, La Harpe, Kan.

**THE WORLD'S** renowned Ringlet strain Barred Plymouth Rocks. Eggs from five selected pens \$1 to \$5 setting. \$4 to \$10 per 100. O. W. Reed & Sons, Clifton Hill, Missouri.

**BUFF ROCKS** exclusively for eleven years. Eggs from high scoring pens, \$2 per fifteen, \$5 per thirty. Farm range, \$3.75 per hundred, \$2 per fifty. Mrs. Homer Davis, Walton, Kan.

**EGGS FROM** Thompson's Imperial "Ringlet" Barred Rocks in their purity. Only \$3.00 per 15. Chicks from these matings will improve your flock. W. F. Wright, Spirit Lake, Iowa.

**FOR SALE.** Buff Rock eggs. Write for prices. Pens 2 and 3, selected females, headed by fine male birds direct from Shoemaker's stock, Freeport, Ill. W. A. Tawney, Ogallah, Kan.

**PARTRIDGE PLYMOUTH ROCK** stock and eggs for sale. Prize winner of Chicago, St. Louis, Mo., Detroit, Boston and many other places. All farm raised. Paul Lafromboise, Mt. Pleasant, Mich.

**PARTRIDGE ROCKS.** Noftzger strain. Beauty eggs. Ckls. for sale. 30 eggs \$5. W. Wyandottes, R. C. Reds, B. Rocks 50 eggs \$5. Poland Chinas. Polled Shorthorns. Centerdale Stock Farm, Pratt, Kan.

**BUFF ROCK** eggs. Three pens selected hens and pullets. Fine cks., one direct from Poley. Pen eggs as they come \$2.00 per 15. Range flock \$1.00 per 15, \$5.00 per 100. Herbert H. Smith, Smith Center, Kan.

**WHITE ROCKS,** pure white, big boned, farm raised. Baby chicks 15c a piece by the 50 or 100, 20c a piece by the doz. Eggs \$1.00 for 15, \$2.50 for 50, \$5.00 for a hundred. Good laying strain. Prize winners. B. E. Miller, Newton, Kan.

**WHITE PLYMOUTH ROCK** eggs for hatching from a pure bred, healthy, vigorous farm ranged flock. Size and fancy points combined with excellent laying qualities. Eggs fresh and true to name, packed to ship any distance safely. Mrs. Walter Cline, Versailles, Mo.

**LIGHT BRAHMAS.**

**EGGS** \$5 hundred, \$3 fifty, \$1 setting. Mrs. Frank White, Furley, Kan.

**LIGHT BRAHMAS** exclusively. 15 eggs \$1.50. J. B. Lovelass, Frederick, Okla.

**LIGHT BRAHMAS.** Eggs 75c for 15. Turkeys. M. B. eggs \$1.25 for 11. Mrs. Emil Grunewald, Alma, Kan., R. 3.

**BUFF COCHINS.**

**BUFF COCHIN** eggs \$2.00 and \$3.00 per 15. Mrs. L. O. Housel, Smith Center, Kan.

**PARTRIDGE COCHINS, PURE BRED.** Write for prices. M. Lienard, Miltonvale, Kan.

**FOR SALE**—Buff Cochins of quality. Send for mating catalog. J. C. Baughman, Topeka, Kan.

**Reliable Poultry Breeders**

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**BLACK LANGSHAN** eggs, \$1 per 15, \$5.00 100. J. Stulp, Hartford, Kan.

**WHITE LANGSHAN** eggs, \$1.00 per 15. Wm. Wischmeier, Mayetta, Kan.

**BLACK LANGSHAN** eggs for hatching. C. C. Cunningham, Kinnard, Neb.

**BLACK LANGSHAN.** 75c. per 15; \$4.00 per 100. Ethel Marcy, Virgil, Kan.

**PURE BLACK LANGSHANS.** 15 eggs \$1, 100 \$5. Mary McCaul, Elk City, Kansas.

**BLACK LANGSHANS** (Shoemaker) cockerels \$1.50. Mrs. Annie Pearce, Kildare, Okla.

**GOOD** farm raised Black Langshans. Eggs, 15 \$1.50, 100 \$7.50. Mrs. Geo. W. King, Solomon, Kan.

**KLUSMIRE'S** Ideal Black Langshans. Eggs from choice matings. Write for prices. Geo. Klusmire, Holton, Kan.

**BLK. AND WHITE LANGSHAN.** Choice mating eggs \$3.00 15; range flock, \$6.00 100. H. M. Palmer, Florence, Kan.

**PURE BLACK LANGSHANS** exclusively. Eggs, \$1.50 per 30. Cheaper if called for. Mrs. Annie Allen, Westmoreland, Kan.

**BLACK LANGSHAN** eggs. Yard 1, \$2.00 for 15; yard 2, \$1.50; yard 3, \$1.00 or \$3.00 for 50. W. S. L. Davis, Nickerson, Kan.

**BLACK LANGSHAN,** Houdan cockerels two fifty to five dollars each. Write for mating list. E. D. Hartzell, Rossville, Kan.

**LANGSHANS,** Black, White and Buff. Grand matings of each breed. Eggs. Roscoe H. Gosney, Langshan Specialist, La Belle, Mo.

**PLEASANT VIEW FARM.** Black Langshan cockerels. Eggs scored pens \$1.50, \$2.00. Range \$6.00 100. John Bolte, Axtell, Kan.

**BLACK LANGSHAN** eggs from high scoring stock, \$1.50 per setting, \$5.00 per 100. Geo. W. Shearer, Elmhurst Farm, Lawrence, Kan.

**BUFF AND BLACK LANGSHAN** eggs \$2.00 15, \$6.00 100. Positively no better Langshans in America. John Lovette, Mullinville, Kan.

**TENNEHOLM LANGSHANS.** The big, black kind. Eggs, \$1.50 per 15, \$2.50 per 30. A few good cockerels left. Mrs. E. S. Myers, Chanute, Kan.

**BIG BONED,** greenish glossy, black eyed Black Langshans, scored 92 to 96; eggs \$3 for 25, guaranteed; cockerels \$3.00 each. H. Osterfoss, Hedrick, Iowa.

**BLACK LANGSHANS.** Prize winners, 36 ribbons in five shows. Eggs pen 1 and 2 \$2.50. Pen 3 \$1.50. Baby chicks for sale. W. L. Bush, Osage City, Kan.

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**MOTTLED ANCONAS** exclusively. Eggs, 15 \$1.00, 100 \$5.00. Lucile House, Haven, Kan.

**ANCONAS** pay because they lay. Dr. Fred Jones, Girard, Kan.

**S. C. MOTTLED ANCONA** eggs, 100 \$5.00, 50 \$3.00, 15 \$1.00. O. L. Burnett, Council Grove, Kan.

**PRIZE WINNING** Mottled Anconas. Eggs and baby chicks. Circular. W. Hardman, Frankfort, Kan.

**ANCONAS.** Sheppard strain eggs, 15 \$1.00; 100, \$5.00. Mrs. H. M. Buchele, Cedar Vale Kansas.

**MOTTLED ANCONA** eggs \$1.00 per 15, \$3.00 per 50, \$5.00 per 100. Prize winners. Walter Wright, Bronson, Kan.

**13 YEARS** a breeder of Anconas from best imported and domestic strains. Eggs. Adeline Gosler, Matfield Green, Kan.

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**S. C. BLACK MINORCAS,** \$4 per 100. John Mayer, Box 5, Waller, Tex.

**S. C. WHITE** Minorca eggs \$1.00 per 15. C. E. Grande, Pittsburg, Kan., Route 3.

**SINGLE COMB BLACK MINORCA** cks. \$3.00. Eggs \$2.00 15. A. L. Liston, Garden City, Kan.

**BLACK MINORCAS** of quality. Eggs \$1.50 to \$3.00 per 15. W. H. Briner, 1523 Lawn, Kansas City, Mo.

**SINGLE COMB BLACK MINORCAS.** Walter O. Pardue, Ft. Scott, Kan. Eggs \$1.50 per 15. Special per hundred.

**ROSE COMB BLACK MINORCA** eggs, \$1.50 setting, \$5.75 30. Satisfaction guaranteed. Fred Keim, Seneca, Kan.

**S. C. WHITE MINORCA** eggs; choice matings \$1.75, utility \$1.25 per 15. Mrs. J. I. Bower, 488 Wabash Ave., Topeka, Kan.

**SINGLE COMB BLACK MINORCA** eggs for sale, \$1.00 per 15. Also a few cockerels \$1.00 each. Range raised. Samuel Mitsch, Woodbine, Kan., Box 38.

**SPANISH.**

**WHITE FACE BLACK SPANISH** eggs for hatching, 15 \$1.00, 50 \$3.00, 100 \$5.00. A. W. Swan, Centralia, Kan.

**PRIZE WINNING** Black Spanish eggs and baby chicks. Also Black Tailed Japanese Bantams. Stamp for circular. J. H. Chestnut, Kincaid, Kan.

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**CARNOUX ITALIAN HOMERS,** also Columbian Wyandotte eggs \$1.50 setting, exclusively. J. J. Pauls, Hillsboro, Kan.



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**MAMMOTH** White Holland turkey eggs, \$2.50 per 11. Mrs. Ada Poindexter, Medicine Lodge, Kan.

**MAMMOTH WHITE HOLLAND** turkey eggs, \$2.00 for 10. Mrs. E. B. Dorr, Mahaska, Kan.

**BOURBON RED** turkey eggs, \$3 for 11; with directions for raising them. Mrs. C. B. Palmer, Uniontown, Kan.

**EGGS.** White Holland turkey 20c each. W. C. geese 15c each. Buff Orpingtons 10c each. C. A. Hasenyaeger, Bern, Kan.

**BOURBON RED** turkeys. Mostly two-year-old breeders. Standard size and markings. Eggs \$3.00 per 11. Stover & Myers, Fredonia, Kan.

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**SILVER SPANGLED** Hamburg eggs. Chas. Gresham, Bucklin, Kan.

**SILVER SPANGLED** Hamburg eggs \$3.00 per 13. Dr. Pierson, Spring Hill, Kansas.

**SILVER SPANGLED** Hamburgs, fine cockerels, eggs and baby chicks. Mrs. Geo. Church, Burlington, Colo.

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**GOLDEN SEABRIGHT BANTAM** eggs from prize winning stock, 50c per 13. Mrs. B. A. Stevens, Vinland, Kan.

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**EGGS.** Rose Comb Velvet Reds. Mrs. Liz-  
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**R. C. R. I. RED** eggs. Mating list free. G. D. Willems, Inman, Kan.

**ROSE COMB RED** eggs, \$4 per hundred. Frank Stettinisch, Bremen, Kan.

**ROSE COMB REDS.** 100 eggs \$4.00, 16 \$1.00. Wm. Rolfe, Wetmore, Kan.

**ROSE COMB RHODE ISLAND RED** eggs for sale. Effie Hill, Achilles, Kan.

**ROSE COMB RED** eggs, \$6.00 100. Chicks. Mrs. Abbie Rleniets, Pratt, Kan.

**S. C. R. I. REDS.** Eggs for sale, \$1.00 and \$2.00 per 15. W. A. Scott, Piper, Kan.

**SINGLE COMB RED** eggs 15 \$1.00. 100 \$5.00. Royal Yeoman, Lawrence, Kan.

**ROSE COMB REDS.** Eggs, \$1 for 15, \$5 per 100. Mrs. Viola Lumb, Manhattan, Kan.

**ROSE COMB RHODE ISLAND RED** eggs, 75c, \$1.00 15. Frank Tuttle, Chanute, Kan.

**ROSE COMB RED** eggs 15, 75c; 100, \$3.00. Ida Harris, Lawrence, Kan., R. 5.

**SINGLE COMB REDS.** 100 eggs \$3.50, \$6 \$1.25. Mrs. Rosa Janzen, Geneseo, Kan., R. 3.

**R. C. RED** eggs, \$1.50 per 15. Both combs. De Graff strain. Mrs. Ethel West, Garfield, Kan.

**PURE BRED S. C. REDS.** 100 \$5.00, 15 \$1.00. Mrs. Harry Warner, Hall's Summit, Kan.

**GOOD** dark R. C. Red eggs, 75c for 15, \$4.50 a 100. Mrs. Florence Puckett, Garri-  
son, Kan.

**ROSE COMB REDS.** Fine color and shape. \$1 for 15, \$5 for 100. C. F. DeBord, Free-  
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**S. C. REDS.** Fertile eggs, \$2.00 15; pen B. \$1.50 15; \$5.00 100. Celia Clogston, Sev-  
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**S. C. R. I. RED** eggs, from choice stock, \$1.00 for 15. Mrs. Dave Miller, Kincaid, Kansas.

**SINGLE COMB RED** eggs \$1.00 per 15. \$5.00 per hundred. Mrs. Louis McCollam, Kincaid, Kan.

**ROSE COMB RED** eggs at 4 cts. each or 4 dollars per 100. Mrs. Jas. Shoemaker, Narka, Kan.

**ROSE COMB R. I. RED** eggs for hatch-  
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**SELECTED** Single Comb Reds. Eggs \$3.50 for 100. Pen \$1 for 15. Mrs. George Dillon, McLouth, Kan.

**ROSE COMB REDS.** Winners. Eggs \$1.00, \$1.50 per 15. Chix \$1.50 to \$2.25. Mrs. Alta Murphy, Luray, Kan.

**FINE SINGLE COMB** red eggs from heavy  
laying strain, 75 cts. per 15. \$4.00 per 100.  
C. C. Duprey, Clyde, Kan.

**ROSE COMB REDS.** High scoring. Eggs  
75c per 15; \$3.50 per 100. H. P. Thomas,  
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**SINGLE COMB REDS.** Fertile eggs from  
prize winners. Prices low. William Ed-  
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**REDS.** Have won more premiums than  
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**SETTING R. C. RED** eggs \$1.50. We pre-  
pay transportation. Good stock. Prosperity  
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**FOR SALE.** S. C. R. I. Red eggs. \$4.00  
100. Mrs. J. M. Vrooman, Rural Route 2,  
Phone 2724K4, Topeka, Kan.

**ROSE COMB REDS** and Indian Runner  
ducks. Eggs \$1.25 per setting. Earl Mc-  
Dowell, Salina, Kan., Route 3.

**F. B. SEVERANCE.** Lost Springs, Kan.  
Breeder of Rose and Single Combed Rhode  
Island Reds. Free mating list.

## Reliable Poultry Breeders

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**SINGLE COMB RED** chicks 10 cents. Mrs.  
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**PRIZE WINNING** Single Comb Reds.  
Eggs reduced to \$2.00 per 15. Mating list  
free. Chas. Lentz, Atchison, Kan.

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**FOR SALE.** Pure bred Single Comb Red  
eggs, 15 for 75c, 100 for \$5.00. Mrs. Clara  
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**PURE SINGLE COMB REDS,** exclusively.  
splendid quality. Eggs \$1.00 15, \$5.00 100.  
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**R. C. REDS.** Eggs from well culled range  
flock, 100, \$4; choice pen eggs 15, \$2; fifty  
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**ROSE COMB REDS.** Best winter layers.  
Quality stock. \$4.00 per 100. \$1.00 per 17.  
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**EGGS** from prize winning B. R. 75 cents  
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**EXTRA FINE** Rose Comb Reds. Cock-  
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hundred. Mrs. Charles Joss, Topeka, Kan.

**SINGLE COMB RED** eggs from well culled  
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turkey eggs \$2 setting. W. P. McFall, Pratt,  
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**ROSE COMB REDS.** Large kind. Dark  
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30 eggs \$1.75. J. M. Parks, Route 4, King-  
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**SINGLE COMB REDS,** direct from two  
of the best strains in America. Eggs \$1.50  
and \$3.00 for fifteen. Mrs. I. L. Lafferty,  
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**ROSE COMB REDS.** Silver cup winners.  
Eggs from pens, per 15 \$1.50 and \$2. Range  
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**THOROUGHBRED REDS,** both combs,  
good show record. Eggs \$1.50 to \$3. Express  
prepaid. Mating list free. T. N. Marshall,  
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**SINGLE COMB RED** eggs, \$1.50, \$2.50  
\$4.00 per 15. Winners Kingman, Pratt,  
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**\$3 FOR 50 EGGS** from our brilliant Red  
strain Single Comb R. I. Reds. Free mating  
list. Mrs. Francis Culver, Culverdale Farm,  
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**DARK RICH RED** R. C. Reds. Sibley  
strain eggs, 15, \$1.25; 50 \$3.50; utility 15,  
\$1.00; 100 \$5.00. Nora Luthye, North Tope-  
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**ROSE COMB REDS.** Successfully bred  
seven years. Successfully exhibited four  
years. Free catalog. F. A. Rehkopf, To-  
peka, Kan., Route 7.

**ROSE COMB** Rhode Island Reds. Bred to  
win; bred to lay. Stock and eggs for sale.  
Write for our free mating list. Toal &  
Toal, Cedar Vale, Kan.

**PURE BRED R. C. REDS.** Prize winners.  
Eggs strictly fresh. Range flock \$1.00 for  
15 or \$5.00 per 100. Baby chicks 10c each.  
Nell E. Balla, Walnut, Kan.

**R. C. RHODE ISLAND REDS.** Best win-  
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\$1.00 per 15, \$5.00 per 100. Mrs. A. J.  
Nicholson, Manhattan, Kan.

**FOR SALE.** Rose Comb Rhode Island  
Red eggs from fancy prize winning matings  
red to the skin. The best. Also fifty pullets  
cheap. J. A. Wells, Erie, Kan.

**SINGLE COMB** Rhode Island Reds exclu-  
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10c each. J. B. Scott, R. 1, Colony, Kan.  
Formerly located at Gas, Kan.

**ROSE COMB REDS.** 1st prize and high  
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packed. Range \$5 for 100. Chks. \$1 to \$3.  
Mrs. J. C. Banbury, Pratt, Kans.

**NEOSHO POULTRY YARDS.** Rose Comb  
R. I. Reds; strictly red; score up to 93%,  
by Judge Atherton. Price of eggs reason-  
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**RHODE ISLAND REDS,** both combs.  
Hatching eggs low price, fertility guaran-  
teed, securely packed, parcel post or ex-  
press. Mating list free. H. A. Sibley, Law-  
rence, Kan.

**ROSE COMB RED** eggs. From pens  
headed by \$10.00 to \$30.00 roosters. 15 eggs  
\$1.50, 30 \$2.50, 50 \$4.00, and 100 \$7.50. Good  
range flock \$4.00 per 100. W. R. Huston,  
Americus, Kan.

**IT PAYS TO RAISE** chicks from White-  
ley's Laymore Strain Single Comb Reds.  
Eggs, \$1.50, \$2.50, \$3.00, and \$5.00 for 15.  
Twelve chicks guaranteed. Write Clyde C.  
Whiteley, Wichita, Kansas.

**FOR SALE.** Hatching eggs and baby  
chicks; Blue Ribbon strain. Single Comb  
Rhode Island Red. Order now to insure  
delivery. C. W. Murphy, 1751 New Hamp-  
shire St., Lawrence, Kan.

**SEARL'S ROYAL REDS** won. Kansas State  
Shows, 1910-1912. 4 firsts, 4 seconds, 4 thirds,  
2 fourths, 1 fifth, 2 club cups best display.  
Cockerels and eggs. Lulu H. Searl, Waldron,  
Kan. Former address Caney.

**ROSE COMB REDS,** all yearling hens,  
Miller and New Combs strain. Free range.  
45 eggs \$2.25, 100 \$4.00. Guaranteed 80 per  
cent fertile. James A. Harris, Latham,  
Kan., Box 65.

**SINGLE COMB RHODE ISLAND REDS.**  
Winners at Kansas State and other shows.  
Eggs 7 to \$3.00 per 15, \$4.00 per 100. Fer-  
tility guaranteed. Catalog free. Karl Spell-  
man, New Albany, Kan.

## Reliable Poultry Breeders

### RHODE ISLAND REDS.

**SINGLE COMB RED** eggs, 100 \$4. Lorenzo  
Reed, Kanopolis, Kan.

**ROSE COMB REDS.** Choice scored pen.  
Headed by high scoring 9 lb. cock bird.  
Eggs, 15 for \$1.50. From farm range flock,  
15 for 75 cts., \$4.50 hundred, during season.  
Mrs. G. C. Talbot, Route 4, Onaga, Kan.

**ROSE COMB RHODE ISLAND REDS** ex-  
clusively. First prize winners Chanute, Par-  
sons, Coffeyville, Independence, Iola, Pitts-  
burg. Incubator eggs and baby chicks spe-  
cialty. Express or parcel post delivery.  
Walter R. Meeker, Erie, Kan.

**STOVER & MYERS,** Rose Comb Reds,  
choicest quality. Winning 28 ribbons at  
Oswego, Tulsa, Fredonia and Kansas State  
Show. Eggs cheapest in West, quality con-  
sidered; Yard A & B. \$5.00 per 15; C & D.  
\$2.50 per 15; Yard E. \$4.50 per 100. Free  
circular. Fredonia, Kan.

### SEVERAL VARIETIES.

**R. C. R. I. RED,** Pekin ducks, Toulouse  
geese eggs. C. Shumway, Manhattan, Kan.

**STOCK, EGGS, BABY CHICKS.** Leading  
varieties. Circular free. R. I. Miller, Box B,  
Lancaster, Mo.

**ROSE COMB REDS,** Silver Laced Wyand-  
ottes. Eggs 17, \$1. 100, \$5. Mrs. Ola  
Elliott, Delphos, Kan.

**BLUE ANDALUSIAN** and **R. C. Rhode**  
Island Red eggs, \$1.50 and \$1.00 for 15.  
Marilla Officer, Hilledale, Kan.

**BLACK AND WHITE** Orpingtons, Indian  
Runner Ducks. Eggs one dollar a setting.  
F. Kremer, Manchester, Okla.

**BREEDER AND JUDGE** of all land and  
water fowls. Terms and catalog free. C. W.  
Brehm, Route 4, Harvard, Neb.

**100 KINDS POULTRY** and eggs. Pigeons,  
pheasants, Scotch collies and Jerseys regis-  
tered. Dr. Pauly's Pheasantry, Kahoka, Mo.

**BABY CHIX AND EGGS.** Rocks, Reds,  
Buff Orpingtons, White Wyandottes, Light  
Brahmas. Kansas Poultry Company, Norton,  
Kansas.

**43 VARIETIES,** Poultry, Pigeons, Ducks,  
Geese, Turkeys, Guinea, Incubators, Dogs.  
Catalogue 4 cents. Missouri Squab Co., Kirk-  
wood, Mo.

**EGGS! EGGS! EGGS!**—From Brd. Ply.  
and W. F. B. S. chickens, \$1.50 per setting.  
Satisfaction guaranteed. Gus H. Brune,  
Lawrence, Kan.

**WHITE ROCKS,** White Wyandottes  
(Fisher) eggs \$2.00 setting or two settings  
\$3.00. Mrs. W. E. Cochran, 1916 Cypress,  
Kansas City, Mo.

**FAIRVIEW POULTRY YARDS,** Americus,  
Kan. Black Langshans, Buff Orpingtons  
and White Rocks. Eggs 75c to \$1.25 per  
setting. Baby chicks reasonable.

**BRED TO LAY,** vigorous, farm raised,  
thoroughbred Barred Rocks and Single Comb  
Reds. Eggs \$1.00 setting; guaranteed. Reece  
Van Sant, Belmont Farm, Topeka, Kan.

**PARTRIDGE ROCKS,** Buff and White  
Orpington chicken eggs; Indian Runner duck  
eggs. Write for prices. A. M. Farmer, Pratt,  
Kan.

**INDIAN RUNNER** duck and Barred Rock  
eggs \$1.50 per 15, \$2.00 per 100, charges  
paid. C. A. Miller, Route No. 1, Kansas  
City, Kan.

**SINGLE COMB** White and Buff Leghorns,  
White Wyandottes, Buff Rocks. Eggs 15  
\$1.00, \$5.00 100. Buff Wyandottes \$2.00 15.  
V. M. Davis, Winfield, Kan., Route No. 2.

**WHITE WYANDOTTES,** white Langshans,  
eggs. High scoring stock \$2 setting. Wyand-  
otte cockerels. Mrs. Howard Erhart, In-  
dependence, Kan.

**EGGS.** White Rocks, \$5.00 per 100. Bour-  
bon Red turkeys, \$2.00 per 9. Buff Orping-  
ton ducks, \$3.00 per 12. Mrs. Chas. Snyder,  
Effingham, Kan.

**BABY CHICKS** from pure breeds. Barred  
Plymouth Rocks and Brown Leghorns, noted  
for their great laying quality. Satisfaction  
guaranteed. Mrs. W. F. Cristman, Scotts-  
ville, Kan.

**EGGS.** All three kinds of pure Indian  
Runner ducks; white egg strains. S. C.  
Black Minorcas, S. C. White Leghorns. Eggs  
guaranteed. Write for prices. D. M. Christy,  
Blackwell, Okla.

**15 EGGS FOR HATCHING** \$2.00, express  
paid. White guineas, White and Barred  
Plymouth Rocks, Brown Leghorns. White  
turkeys, 10 eggs \$3.00 Circular. J. Garbee,  
Billings, Missouri.

**INDIAN RUNNER** ducks, American  
Standard, Fawn and White, white egg strain.  
Bourbon turkeys. Single Comb Brown Leg-  
horns. Eggs for sale. Mrs. Elmer Mc-  
Ginnis, Blackwell, Okla.

**ROSE COMB RHODE ISLAND RED** eggs.  
Pen A, \$1.50 per 15; Pen B, \$1.00 per 15.  
Barred P. Rocks, range stock, 75c per 15;  
\$4.00 per 100. Light fawn and white Indian  
Runner ducks \$1.00 per 12. C. J. Woods,  
Chiles, Miami, Kansas.

**EGGS.** Mammoth Bronze turkeys 50c  
each, \$5.00 doz. Pekin ducks, Light Brahma,  
White Wyandotte, Barred Rocks. White  
Leghorns, White Rocks, 10c each, \$5.00 per  
100. Peachblow potatoes \$1.25 bu. Robert  
Bradfield, R. No. 4, Fremont, Ind.

**THE LINWOOD POULTRY FARM,** Ewing,  
Mo., offers eggs for hatching from prize win-  
ners. Single Comb White Leghorn, Single  
Comb Rhode Island Reds and Indian Runner  
ducks. Also breeder of American fox hounds  
and Engl. bloodhounds. Joseph Keller, prop.

**WHEN** better poultry is had we will have  
them. Eggs from Rhode Island Reds, Barred  
Rocks, Buff Orpingtons, White Wyandottes,  
Brown Leghorns, White Leghorns and In-  
dian Runner ducks. Write for catalog.  
Everman & Everman, Gallatin, Mo., R. No. 5.

## Reliable Poultry Breeders

### SEVERAL VARIETIES.

**FOR SHORT TIME.** Eggs \$1.50 setting.  
R. C. Reds, Barred Rock, White Orpington,  
White Langshan, S. C. B. Leghorn, Hous-  
dons. Won at Wichita, Oklahoma City,  
Leavenworth. Mating list. Elie Lefebure,  
Havensville, Kan.

**SUNNY DELL** Farms purebred poultry  
eggs. S. C. R. I. Reds, big bone, red to  
skin, \$1.00 15, \$5.00 100. S. C. B. Leghorns.  
Excellent layers, \$1.00 15, \$4.00 150. Bour-  
bon Red Turkeys, extra fine color, big, hardy  
and gentle, \$3.00 12. Mrs. T. I. Wooddall,  
Fair River, Kans.

**POLAND CHINA** pigs (the big, easy keep-  
ing kind), \$8.00 each, \$15.00 a pair (not re-  
lated). Eggs for hatching, Rouen ducks,  
M. B. turkeys, Barred Rocks, and Brown  
Leghorns (best egg laying strains). Strictly  
pure-bred stock. Eggs \$1.50 per 15, \$2.75 per  
30. The Hillside Farm, St. Peter, Minn.

**ROSE COMB BROWN** Leghorn eggs, 15  
\$1.00, 30, \$1.75; 100, \$4.00. Houdans, 15  
eggs \$1.50. Indian Runner ducks 13 eggs  
\$1.00, 26, \$1.75. White African Guineas,  
15 eggs \$1.50, 30, \$2.75. Embden Geese,  
7 eggs \$2.25. Honey Creek Poultry Farm,  
Kahoka, Mo.

**HATCHING EGGS** from A-1 stock of Buff  
and Barred Rocks, S. C. Br. Leghorns, In-  
dian Runner ducks, at \$1.50 per 15. M. B.  
turkeys \$3 per 7 or \$5 per 15. Write for  
prices on incubator lots. Exhibition Buff  
Rocks \$5 per 15. Houchin Ranch, Poultry  
Dept., Isabel, Kan.

**BARRED AND WHITE** Plymouth Rock  
eggs. From special mated pens \$1.50 per  
15, \$6.00 per 100. White Rock range flock  
\$1.00 per 15. \$4.00 per 100. Also large  
Pekin duck eggs at \$1.50 per 10, \$2.00 per  
15. My poultry has never failed to get a  
good share of blue ribbons wherever shown.  
F. C. Swiercinsky, Belleville, Kan.

**THE LINWOOD Poultry Farm,** Ewing,  
Mo., offers eggs for hatching from blue rib-  
bon winners, S. C. W. Leghorns, S. C. R. I.  
Reds and Indian Runner ducks. I guarantee  
fertility and eggs from pens ordered. Send  
for free catalogue; also breeder of English  
blood hounds, American fox hounds and  
Duroc-Jersey hogs. Joseph Keller, prop.

**WHERE SHOWN** my White Runners  
have won more premiums than all others  
combined. My booklet on breeding, hatch-  
ing, feeding, etc., supplied with eggs or for  
5 cts. Eggs \$5.00 per 12, prepaid. Buff  
Rock and S. C. R. I. Red, \$2.50 per 15. In-  
fertile eggs replaced. Mrs. A. M. Thompson,  
Marlow, Okla.

**FOR SALE!** Eggs, eggs, eggs. S. C. Buff  
Orpingtons, Light Brahmas, and R. C. R. I.  
Reds, Buff, White and Partridge Cochins,  
Indian Runners and Rouen ducks, White  
Chinese, Toulouse and Embden geese. The  
above is pure bred and first class. Prices  
reasonable. Write your wants. Chiles Poul-  
try Yards, Chiles, Kan.

**EGGS** S. C. Black Orpingtons, \$2 per  
15; S. C. White Orpingtons \$1.50 per 15;  
S. C. R. I. Reds \$1.50 per 15; White  
Crested Black Polish \$2 per 15; R. C. Silver  
Spangled Hamburg \$2 per 15; R. C. Part-  
ridge Wyandottes \$2 per 15; Pearl White  
Guinea \$2 per 15. Shipping station LeRoy,  
Postoffice Neosho Falls, Kan. J. L. Car-  
mean.

**BARRED ROCKS.**  
Our birds again demonstrated their high  
quality at this season's shows. Very best  
laying strains. Pens mated for the coming  
season. Send for descriptive circular. Pen  
eggs \$3 per 15. Utility eggs \$4 per 100.  
C. C. LINDAMOOD, WALTON, KANSAS.

## White Orpington and Indian Runner Ducks

Eggs \$6 per hundred. Turkey and Geese  
eggs \$1.75 per setting. We breed all lead-  
ing varieties of Standard Poultry. Plymouth  
Rocks are our leaders. Stock of highest  
quality at let live prices. Write for descrip-  
tive circular. Address W. F. HOLCOMB,  
Mgr. Nebraska Poultry Co., Clay Center, Neb.

## Cook's Barred Rocks

My last exhibit at Topeka in Jan., 1911, I won 1st, 3rd and 4th; 2nd cock; 4th, 5th hens; 3rd pen, silver cup for best display, and GRAND CHAMPION MALE. TOPEKA CHAMPION was declared by expert opinion to be beyond question the best cockerel ever shown in the west; he won \$4 in cash, a beautiful silver cup and silver medal for best cockerel in the show. His blood greatly predominates in my flock. Better try some eggs which I am selling at \$1.50, \$2.00 per 15 and \$5 per 100. CHAS. J. COOK, Box 2, Maryville, Kan.

**DR. PIERSON'S** No Cure No Pay Poultry  
Cholera Remedy, \$1.00 per box. Spring  
Hill, Kan.

**PAYING** 13 1/2 c. for hens, 20 for broilers  
and turkeys, Cope's Sales System, Topeka,  
Kan.

**DR. P**



## The WOMEN

Conducted by



## FOLKS

Mabel E. Graves

We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house; or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the Household magazine, and a year's subscription to the Poultry Culture magazine.

The women of Kansas will sympathize with the flood sufferers in Ohio and Indiana, especially those whose homes were in the midst of the waters at the time of the Kansas flood.

One thing is comforting: Though youth and the things that belong to youth must vanish with time, character may become more beautiful with each passing year.

A reader from Iowa asks how to sweeten rancid butter. Can someone help her out, or tell her what use to make of her rancid butter if it refuses to sweeten?

The boys will soon be hunting up their last year's fishing poles. Some boarding house person said catfish weren't good to eat, but he never tasted them rolled in meal and fried in butter.

New wall paper this year? Remember to avoid red as you would the plague unless you are willing to have your family quarreling all the time.

Down at the state university a bunch of students are investigating the merits of two-year-old eggs. For two weeks they are to eat nothing but what is prescribed for them by the professor in charge, and his menu will include a liberal supply of cold storage eggs which have been condemned by the government officials.

### Children Need Fairy Stories.

[Prize Letter.]

I notice in a recent issue that a mother is troubled about her child's first reader containing so many fairy stories. I have thought some along this line and believe that children, especially in the lower grades, need plenty of imaginative reading. The imagination needs training just as much as the other faculties of the mind. I believe every child should read Hans Christian Andersen's fairy tales, the Arabian Nights, Robinson Crusoe, Swiss Family Robinson, Alice in Wonderland, and any other of our standard books for children. We certainly do not want our young children to take up history and biography to any great extent, as that is the meat, while they need the milk of learning. While just plain, true stories are good they do not have the variety or action the children need. And in this connection I wish to say that there never was a time within my memory when the school readers contained so much interesting and instructive reading matter as they do now.

Then, too, fairy stories have a literary value in later life. How often in literature are we referred to Aladdin's wonderful lamp, Cinderella's slipper or the fairy godmother, Robinson Crusoe, Jack and the Bean Stalk, or Rip Van Winkle, to say nothing of Mother Goose and her numerous family of actors. So that instead of being harmful these stories are highly beneficial. When I was a child books were not so plentiful as they are now, and I have actually read several of those mentioned since my children have been old enough to enjoy them too, as I felt that my education along those lines was deficient. These stories teach children resourcefulness, a love for the beautiful and a horror of the bad.

For centuries the Chinese have trained the memory to the exclusion of all the other faculties. As a result they have no inventiveness, therefore no progress. What few inventions they have stumbled onto remain the same generation after generation. They have no scientists, mathematicians or inventors.

We all enjoy Truthful James in the Mail and Breeze, but he does not deceive us. We grown-ups and older children know that Santa Claus is a myth, yet we enjoy the delusion. Tell

the child the legend and let him enjoy it with us, and no harm can come of it, I am sure.

Mrs. Inez Barrows.

R. 5, Clifton, Kan.

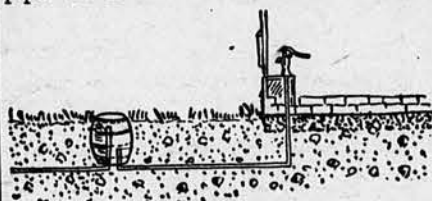
### Winners in the Flower Contest.

Flower lovers among the readers of the Mail and Breeze have for several weeks been enjoying the splendid letters that have been received in response to the flower-planting contest, and we are going to continue using extracts from these letters until the flower season is past. The prizes have been awarded to Mrs. S. E. Jones, R. 2, Prescott, Kan.; Mrs. E. A. Arnett, Grimes, Okla.; and Mrs. G. S. Errett, Gridley, Kan., each of whom is to receive a set of narcissus silver knives and forks. Several other prizes for good letters are to be given as the letters are used. Mrs. Errett's and Mrs. Arnett's letters were published in the Mail and Breeze of March 15. Mrs. Jones's letter appears this week.

### Piping Water To the Kitchen.

[Prize Letter.]

We have water in the kitchen at a cost of \$6.75. One dollar of this went for a barrel, we bought 30 feet of inch pipe at 10 cents per foot, and a pitcher pump for \$2.75. I put the barrel about 3 feet in ground to prevent freezing so hard and also to keep the water cooler in summer. We pump all the water for 25 head of stock through this barrel. A pipe which carries the water to stock



Pipe and Pump Arrangement

tank enters the bottom of barrel and stands up in barrel nearly to top, so the barrel is kept full when the mill is running. The pipe which carries the water to the house is buried 3 feet in ground and extends 6 inches up in barrel. This pipe connects with the pump on the sink in the house.

N. F. McWilliams.

R. 1, Winter, Kan.

### Housecleaning Done in a Day.

[Prize Letter.]

Housecleaning is the day that the whole household dreads, but it can be shorn of its horrors by a little thought. Commence early in the season. First clean out closets, drawers, chests and trunks, sunning and airing the things that need it. Wrap furs and woollens in newspapers and put away for the summer. The moths will not touch them. Gather up all soiled things in the house and wash. All wornout garments should have seams and much worn parts torn out, and the nice pieces rolled into neat sorted bundles.

Next clean the pantry and cellar, and mend anything wrong with walls or windows. Doing these things in this way does not wear one out; in fact it is the time I enjoy, getting acquainted with my belongings. Housecleaning week the wash should be done Monday; Tuesday enough things should be cooked to last all day Wednesday; Wednesday is a good day to clean. For that day I hire a colored man at 15 cents an hour and a woman for 75 cents or \$1 per day. They come at 7 o'clock. I send the man to carry rugs and other things, beginning with the bedrooms. The woman follows—sweeps, cleans windows, woodwork and floor. When the man has all carried out or moved he cleans rugs or blacks stoves. By the

time this is done the rooms are usually dry and ready for rugs and matting to go down again. The man does this. The woman and I follow, making beds, and putting up curtains. We hang pictures and add all finishing touches. I always set up at least one heater to stay all summer and have never regretted it.

As 6 o'clock draws near I send both man and woman out to clean porches and take care of any debris left in the yard. My house has five rooms, but I would follow the same plan with even 10 or 14 rooms by hiring more help. It is just as cheap as hiring a woman two weeks and having everything piled from one room into another and mixed up for days.

While my helpers are finishing their outdoor cleaning I flee to a bath, and put on clean garments throughout. I put on a pretty, fresh dress, comb my hair, and am ready and refreshed to set a dainty supper in a clean dining room. I use some of my best linen and put some flowers on the table. The whole family simply glories in this new order of things. If the walls must be papered, that complicates things; but many are now tinting their walls and they stay pretty for years.

Mrs. Miriam Bezanson.

R. 3, Coyle, Okla.

### Cream Salad Dressing.

The following recipe for making whipped cream salad dressing was given the farmers' wives attending the short course cooking classes at the Oregon Agricultural college: Beat the yolks of 3 eggs until thick and lemon colored. Add 2 teaspoons of sugar mixed with 1/2 teaspoon salt, the same of mustard and a speck of cayenne pepper. Pour over this 1/2 cup of hot vinegar in which a teaspoon of butter has been melted. If desired instead of vinegar, 1/4 cup of lemon juice and 1/4 cup boiling water may be used. If it is not thick enough it may be cooked, then chilled. Just before serving add whipped cream. One-half cup of heavy cream is sufficient.

### How to Clean Wall Paper

[Prize Letter.]

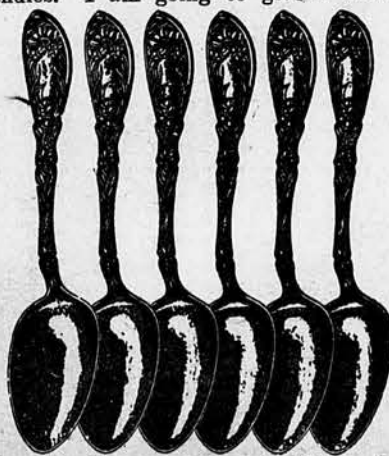
Take 1 quart of flour, 1 1/2 tablespoons powdered alum and 1 pint of cold water. Sift the alum with the flour and mix with the water, and cook until thoroughly done, stirring constantly. Then turn it out on the bread board and mix into it 1/2 cup of flour. Break off pieces of the cleaner and use as you would a cloth. This will make your wall paper look like new. We have tried it and know it to be good.

Mrs. George Robertson.

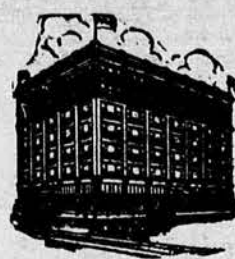
Strong City, Kan.

### SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Co. Each spoon is extra heavy, full standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of



these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.



## This Is the Store

that gives you the best it has for your price—ALWAYS—whether you come to the counter or order by mail—the store that has the greatest varieties of merchandise to select from—every article, every piece of goods, from the least priced upward being strictly HIGH-GRADE—and the prices are right, just as the qualities are.

Our Mail Order service is conducted for your benefit—We pay parcel post and express in Kansas.

THE MILLS DEY CO.

Topeka, Kansas



## Are You FAT?

I Was ONCE.

I Reduced MYSELF.

I was Fat, Uncomfortable, Looked Old, Felt Miserable, suffered with Rheumatism, Asthma, Neuralgia. When I worked or walked, I puffed like a Porpoise. I took every advertised medicine I could find. I Starved, Sweated, Exercised, Doctored and changed climate but I ruined my digestion, felt like an invalid but steadily gained weight. There was not a single plan or drug that I heard of that I did not try. I failed to reduce my weight. I dropped society, as I did not care to be the butt of all the jokes. It was embarrassing to have my friends tell me I was getting Stout, as no one knew it better than myself.

### SOMETHING HAD TO BE DONE

I began to study the cause of FAT. When I discovered the cause I found the remedy. The French Method gave me an insight. I improved on that. Removed the objectional features, added more pleasant ones, and then I tried my plan on myself for a week. It worked like Magic. I could have

### SCREAMED WITH JOY

at the end of the first week when the scales told me I had lost ten pounds by my simple, easy, harmless, Drugless Method. It was a pleasure then to continue until I regained my normal self in size. I feel fifteen years younger. I look fifteen years younger. My Double Chin has entirely disappeared. I can walk or work now. I can climb a mountain. I am normal in size. I can weigh just what I want to weigh. I am master of my own body now. I did not starve, but eat all I wanted to. I did not take Sweet Baths. I did not use no Electricity, or harmful exercises, but I found the Simple, Safe, Common Sense WAY of reducing my weight and I applied it. I have tried it on others. My Doctor says I am a perfect picture of health now. I am no longer ailing. I am now a happy, healthy woman. Now I am going to help others to be happy. I have written a book on the subject. If you are fat, I want you to have it. It will tell you all about my Harmless, Drugless Method. To all who send me their name and address I mail it FREE, as long as the present supply lasts. It will save you Money. Save you from Harmful Drugs. Save you from Starvation Diets. Harmful Exercises. Possibly save YOUR LIFE. It is yours for the asking without a penny. Just send your name and address. A Postal Card will do and I'll be glad to send it so that you can quickly learn how to reduce yourself and be as happy as I am. Write today as this advertisement may not appear again in this paper. HATTIE BIEL 907 Barclay, Denver, Colo.

## Feather Bed Bargains

Send us this ad with \$10.00 Money Order and we will ship you one first-class, New 40-pound Feather Bed; one pair 6-pound New Feather Pillows, worth \$2.50; one 6-pound New Feather Bolster, worth \$2.50; and one pair Full Size Blankets, worth \$3.50, all for \$10.00. All New goods and no trash. Biggest bargain ever offered. Satisfaction guaranteed. This offer is good for a short time only. Mail money order now or write for circular and order blanks. Reference, American Exchange National Bank. Address SOUTHERN FEATHER AND PILLOW CO., Dept. 54, Greensboro, N. C.

## THE BIBLE LOOKING GLASS

Next to the Bible it is the most remarkable book in the world. Retail \$2.00. Agents making \$10.00 daily. Get term and free outfit quick. NICHOLS & CO., Naperville, Ill.

## Ship Household Goods

Autos, etc., by means of our Forwarding Service and SAVE MONEY. We can give you lower freight rates than you can get to any point in the United States. Write our nearest office for particulars.

Missouri River Freight F'd'g Co. Omaha, Neb. Kansas City, Mo.



# HOME DRESSMAKING

These patterns may be had at 10 cents each from Farmers Mail and Breeze.



- 6155—Child's Dress, sizes 2, 4, 6 yrs.
- 4284—Kitchen Apron, sizes 32, 36, 40, 44 inches bust measure.
- 5822—Girl's Dress, sizes 6, 8, 10, 12 yrs.
- 6167—Ladies' Skirt, 5 sizes, 22 to 30 inches waist measure.
- 5481—Ladies' Waist, 6 sizes, 32 to 42 bust.
- 5501—Six-Gore Skirt, 5 sizes, 22 to 30 waist. Size 24 measures 3 1/4 yds. around lower edge.
- 5944—Ladies' Dress, having four-gore skirt, 5 sizes, 32 to 40 bust. Size 36 measures 2 1/2 yds. around lower edge of skirt.
- 5918—Child's Dress, with separate gumpes, sizes 6, 8, 10, 12 yrs.
- 6161—Ladies' Waist, 5 sizes, 34 to 42 bust.
- 6136—Sailor Dress, sizes 6, 8, 10, 12 yrs.

## USE THIS COUPON FOR PATTERN ORDERS.

Farmers Mail and Breeze, Pattern Department, Topeka, Kan.

Dear Sir—Enclosed find ..... cents, for which send me the following patterns:

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Name .....

Postoffice .....

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BE SURE TO GIVE NUMBER AND SIZE.

## Make Your Soap When Convenient.

[Prize Letter.]

As I have been more than commonly successful with soap making I will tell the Women Folks my process. I take scraps of meat—cracklings, hog scraps of all kinds—and place them with a large bucketful of water in the kettle in which the lard has been rendered, add a box of lye and boil 1 or 2 hours. In that time it is cooked down to a soft mass resembling lard which can be kept for months without becoming rancid, as

soap grease has a tendency to do. In the spring or early summer all I have to do is take my kettle, put in it 3 gallons of water and 1 box of lye to every 4 1/2 pounds of this grease, and boil slow for 20 or 30 minutes. I usually make about six boxes at a time. If you do not know how much your grease weighs guess at it and add enough lye so that when you dip a feather into the boiling soap it will clip the down from the quill. When it is so thick that it ropes like honey from the paddle add 1 large bucketful of water by degrees and stir slowly for 5 minutes. Let set all night and cut out. I guarantee you will have soap as white and nice as one could wish.

If by chance we lose a fat hog by over-laying or other trouble, I just have the men cut the lard from it, then I proceed with my eating it up with lye, and make my soap when convenient.

Mrs. Elsie Wellman.

McLouth, Kan.

## Flowers For the Farm Home

BY MRS. S. E. JONES.

The first essential toward beautiful home surroundings is a smooth, well kept lawn in front—large or small as circumstances will permit. In the selection of flowers roses take first place. Choose a number of hardy hybrids that bloom throughout the season with more or less frequency, such as General Jacqueminot and Dinsmore (red), Coquette de Alp (white) and Paul Negron and Mrs. John Laing (pink). These I would plant singly, in such positions along the edge of the lawn that their brightness would be visible to persons approaching the house, but would not obstruct the view from within.

Along the sides of the lawn such hardy shrubbery as spirea, althea, lilacs and wigelia should be planted interspersed with peonies, lilies, bleeding heart, etc. For a border close to the foundation of the house I have depended on hardy chrysanthemums and geraniums on the south and east sides, but expect to substitute coleus for the geraniums this summer. On the north side I grow hardy phlox, columbine, white day lily, and sometimes fuchsia and other shade-loving plants. At the northeast corner of the east porch I have a hardy climbing rose (Dorothy Perkins) and at the south end a screen of cobeia scandens and cypress vines. These with a few clumps of dahlias and cannas edged with white ageratum, and a bed of fall-planted bulbs consisting of crocus, hyacinths, tulips and narcissus, complete the yard decoration.

Everblooming roses are best planted in a bed to themselves. A sheltered location not too near the trees, where they will have full sunshine in the morning and partial shade in the afternoon is suitable. Given good soil and cultivation in summer and a winter protection of dry leaves with boxes or boards turned over them to keep out rain, they will give more pleasure than any other flowers. Augusta Victoria, Helen Gould, Etoile de Lyon, and the Cochet roses are good varieties. I have found plants of mailing size satisfactory.

In the back yard or garden have sweet peas, nasturtiums, hardy carnations, dianthus, pinks, phlox drummondii, and other easily grown free blooming annuals, being careful to have plenty of white to combine with the bright colors. These will insure a brilliant display, and a constant supply of bouquets for home enjoyment and to give to children or flower-loving friends.

A good fence to keep poultry away from the flowers makes the way easy. If that is impossible protect the beds and plants with stones, pieces of wire fencing, or sticks driven in around them. Persistent effort will bring success.

S. E. Jones.

R. 2, Prescott, Kan.

## Substitute for Whipped Cream.

[Prize Recipe.]

Take 2 level teaspoons cornstarch and sift with 2 tablespoons granulated sugar. Measure 1 pint of milk. Take out a little to dissolve the sugar-cornstarch mixture; put the rest in a double boiler, add the sugar and starch mixture and cook 10 minutes, then set aside to cool. Beat into this mixture 1 teaspoon vanilla and the stiffly beaten whites of 2 eggs.

Deerfield, Kan.

Mrs. W. H. B.

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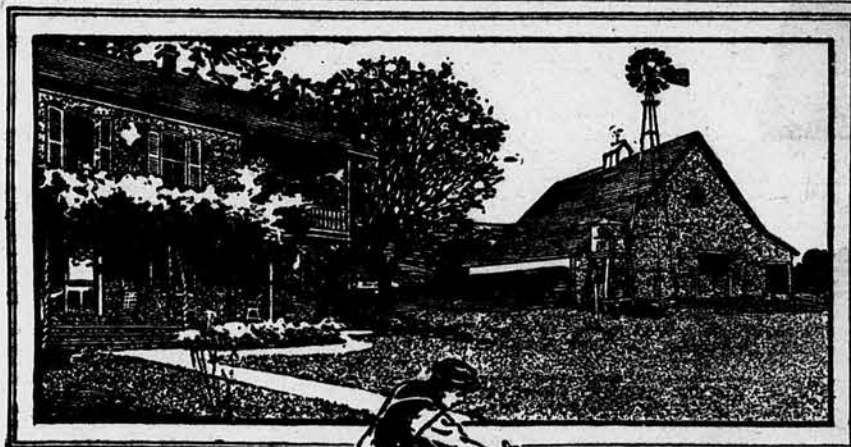
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## HORSES, CATTLE, HOGS, SHEEP.

**SHETLAND ponies.** Write for prices. Charles Clemmons, Coffeyville, Kan.

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**WANTED—Registered Holstein heifer calves.** F. S. Holland, Westphalia, Kan.

**DUROC HOGS.** Bronze turkeys, Barred P. Rock and Brown Leghorn chickens for sale. J. M. Young, Fall River, Kan.

**TWO three-year-old Galloway bulls** raised at Capital View, Topeka, for sale at 100 dollars per head by Conrad Kruger, Pfeiffer, Kan.

**FOR SALE.** Percheron stallion, bred good, from 2 year and over, coach mare and filly. Scotch collie pup. Address A. W. Toews, Inman, Kan.

**YEARLING Angus bulls** for sale, sired by Eden Erica 70728; registered stock and good individual; ready for service. W. L. Maddox, Hazelton, Kan.

## POULTRY.

**BRED TO LAY S. C. W. Leghorn eggs** and baby chicks; will exchange for Kaffa. Okla. City, Route 8, Box 62.

## DOGS.

**SCOTCH COLLIES.** Western Home Kennels, St. John, Kans.

**SCOTCH collie pups** from registered working stock. Box 66, Inman, Kan.

**STAG HOUND pups** for sale. Fred De-weese, Cunningham, Kan., R. F. D. 1.

**TWO trained breeding collie bitches** open for sale cheap. C. Holliday, Woodbine, Kan.

**HOUNDS, pointers, setters, bulls, terriers, collies.** 1/2 off. List free. J. D. Stodghill, Shelbyville, Ky.

**REGISTERED English bloodhounds;** young stock, guaranteed to make man-trailers. Best blood in world. Max J. Kennedy, Fredonia, Kan.

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**WHIPPOORWILL cowpeas** \$2.50 per bu. H. C. Ruppel, Inola, Okla.

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**SOY BEANS—Ebony variety.** Price \$2 per bushel. Write B. Freeland, Dalton City, Ill.

**MILO Maize Dwarf Straight Neck.** \$1.50 per 100. A. G. Dorr, Osage City, Kansas.

**CHOICE hand threshed New Era cowpeas** \$2.30 bushel. Fred Pacey, Miltonvale, Kan.

**GERMAN Millet, High Grade.** Write at once for price. L. E. Webb, Bloom, Kan.

**BLACK EYE COW PEAS—Write for samples and prices.** W. R. Hutton, Cordell, Okla.

**BLACK HULLED WHITE KAFIR.** High yielding. Barly. Jeff Burt, Macksville, Kan.

**BERKSHIRES.** Seed corn. Reid's, from prize seed, \$2 per bu. F. Clark, Kinderhook, Ill.

**CHOICE FRUIT TREES, ornamentals,** berry plants. Waverly Nurseries, Waverly, Kan.

**DWARF straight neck milo heads** \$2.00 per 100, sacked. Frank Franklin, Vinita, Okla.

**FOR SALE—Recleaned fancy Siberian millet seed.** E. A. Gardiner, Route 2, Eskridge, Kan.

**FOR SALE—150 bu. alfalfa seed, 1912 crop,** \$8 per bu. Sacks free. Crocker Bros., Matfield Green, Kan.

**WHITE PEARL seed corn, choice,** carefully selected and tested seed. W. A. Hunter, Manhattan, Kan.

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**SEED CORN—Iowa Gold Mine and White Cap;** \$1.25 per bushel, sacks free. H. A. Hamilton, Yutan, Neb.

**CATALPA trees** for sale, one year old. Genuine Speciosa. \$4.00 per thousand. H. G. Adams, Maple Hill, Kan.

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**CHOICE Improved Blackhull White Kafir.** Bushel or more, \$1.00 per bushel, sacked f. o. b. Ross Arthur, Buffalo, Kan.

**HOME GROWN alfalfa seed, finest quality,** in any quantities. Write for sample and prices. D. Badger, Eureka, Kan.

**MAMMOTH black hulled White Kafir.** Hand threshed. Selected for early maturity 17 years. J. G. Mitchell, Lafontaine, Kan.

**NO. 1 alfalfa seed** for sale. Free from weed seed. Price \$7.50 per bushel. Sample free, sack free. Wm. Littlefield, Belvue, Kansas.

## SEEDS AND NURSERIES.

**KAY COUNTY Demonstration Farm,** pure Blackhull White Kafir corn, recleaned and tested, \$2 per hundred. L. F. Carroll, Newkirk, Okla.

**SWEET SEED Potatoes, large or small.** Early Golden, Red Bermuda, Vineless. All in fine condition. Markham's Gardens, R. 7, Pittsburg, Kan.

**WATERMELONS; Halbert Honey;** pure, guaranteed seed \$1.10; extra good 75c; good 50c pound. H. A. Halbert, originator, Coleman, Texas.

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**300 BEST VARIETIES strawberry plants.** \$1.50 express paid fall bearing strawberries, dozen \$1.25, 100 \$8.00. 25 Black Raspberries never winter kill, \$1.00. W. H. Koell, Box 740, Hampton, Iowa.

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**JOHNSON CO. WHITE,** selected at husking time; guaranteed pure and satisfactory. Germination test 99%. Won first at Manhattan. In ear sacked or crated \$2 per bushel. H. H. Neumann, Hanover, Kan.

**FIELD SEEDS.** Recleaned Orange cane seed 60c; Red Top Sumach cane seed 75c; German millet 90c; alfalfa seed \$7.80 and \$9.00 per bushel our track; jute bags 15c; seamless bags 25c. The L. C. Adam Mercantile Co., Cedar Vale, Kan.

**FOR \$1 I will send you 8 apple, pear, peach, plum or cherry 2 yr. 4 to 6 ft. trees** or 75 raspberry, blackberry or dewberry or 20 grape, gooseberry, currant or rhubarb, or 100 asparagus or 300 strawberry plants, or 25 Red cedar or other evergreens or 8 Rambler roses. Catalogue free. Nicholson Nursery, Manhattan, Kan.

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**TO PEANUT PLANTERS—Our selected seed peanuts** have been tested by the Kansas A. & M. college and germinated 93.5%; by the Oklahoma A. & M. college and germinated 94%. No other peanuts in Oklahoma have germinated 50%. "A hint to the wise is sufficient." Owing to the great demand and the scarcity of good seed we have had to advance our price to \$1.50 per bu. (30 lbs.) f. o. b. Comanche. Comanche Grain and Elev. Co., Comanche, Okla.

## LANDS.

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**FOR SALE—Eight fine building lots** adjoining college campus. Riley Ingraham, Manhattan, Kan.

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**BEST STOCK FARM in Southern New York.** Proceeds \$22,000 last year. River farm 365 acres in the highest state of cultivation on macadam road 16 miles from city. 3 sets of buildings, 1 house has all city conveniences, 2 silos, all in first class condition, 70 head high grade Holstein cows, 8 horses, 32 acres hops, all kinds of farm machinery. Stock and tools inventory \$10,000; taxes on property last year \$150. Sold \$13,000 worth of milk last year. The owner of this farm commenced 11 years ago with nothing and has paid for this farm, price \$32,000 and has \$20,000 in the bank at the present time. Price of this farm with everything \$32,000 on terms of \$10,000 down. If you want a bargain in a good farm here is your chance. Send for list of Southern New York farms. Mints Farm Agency, 215 Phelps Bank Bldg., Binghamton, N. Y.

## LANDS.

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**SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas.** Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

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BEST Home and Market canners. All sizes. Latest methods. Cans and Labels. 1913 prices now ready. Address Royal Canner Company, 67 News Bldg., Chattanooga, Tenn.

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ROD your own buildings. Any number of feet at wholesale prices. Harvey Kinzie, Hiawatha, Kan.

MISCELLANEOUS.

IMMERSION Doctrine Exploded! Latest book, 16c. Methodist Pastor, Batesburg, S. C.

WANTED—150 head of cattle and 25 head of horses for pasture. L. J. Farrell, Nadean, Kan.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule. 1404 Grand, Kansas City.

HARNESSES—Our harness is correctly made and prices right. Write for catalogue. Ed Klein, Lawrence, Kan.

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ALL MAKES safety razor blades, machine sharpened, better than new. Single edge blades 25c dozen, double 35c. Mail to Brunt Drug Co., Topeka.

75 CENTS buys bushel seed sweet potatoes, Onions, parsnips, carrots, Red River Ohio potatoes or apples. Cope's Sales System, Topeka, Kansas.

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LEARN how to double your egg yield; how to mate and breed for best results; how to produce and market \$100 fowls. Get on the "big money" side of the poultry business. This is not a book-selling scheme. Full information free. Address R. V. HICKS, Dept. L, 801 Jackson-st., Topeka, Kan.

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You can make Big Money conducting a Stock and Poultry Food Business of your own. Enormous Profits. If you are making less than \$2,000 a year, write us at once. We will start you. No capital, equipment or experience needed. Formulas furnished, and full secrets of the business FREE. This is not an agent's or salesman's proposition, but a genuine business opportunity. Write us TODAY. Dr. Haynes Stock Food Co., Sta. 4, Jackson, Mich.

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MARKET PROBABILITIES

Unsettled Conditions Prevail in Cattle Market and if Receipts Continue Liberal a Downward Price Movement May be Expected—Hogs Reach New Levels Since 1910 But Lose Part of Advance Later—Grain Could Not Hold Advance

[Written Specially for the Farmers Mail and Breeze.]

Monday receipts of livestock at western markets showed moderate increases and about normal supplies. The eastern railroad traffic situation has improved moderately, but is still far from normal. Cattle prices remained weak and almost entirely in the hands of the big killers. Steers in some cases were down 10 cents. Tornadoes and floods were prominent factors in the livestock markets this past week. Their direct effects showed in interrupted traffic and fear on the part of buyers that a general delayed movement eastward would result in great congestion east of the Mississippi river. In some cases railroads have refused to accept stock for points further east than Chicago, and in other cases they accepted consignments subject to delays and owners' loss. Nothing interrupted trade quicker than crippled railroad service, or fear that some delays will be experienced. Beginning with the Omaha tornado Sunday afternoon and continuing with an area of low pressure that was central Saturday on the east Atlantic coast, there have been few weeks in previous history when railroads were so generally affected. The main trunk lines from the Mississippi east, with few exceptions, extended through the flooded districts of Ohio or Indiana, and at mid-week only one railroad through northern Ohio maintained any train service. Some eastern shipments of stock were caught in the floods, livestock loss is reported to be large, and until normal traffic is resumed, which is liable to be some time, the lasting effects on the market will be hard to estimate.

To say the least the cattle market is unsettled and out of normal channels. The logical thing is to keep receipts down, or a demoralized trade will follow. Weather conditions in the West now are good, and feeders will make more money holding their cattle than they will by marketing. Last week prices for steers were quoted off 15 to 25 cents and were the lowest since the middle of February, the past three weeks having marked a decline. In Chicago a few prime steers made \$9 to \$9.20, and bulk of sales fell to \$7.90 to \$8.75. There was a scratch sale at river markets at \$9, but few made better than \$8.75, and bulk of steers landed at \$7.75 to \$8.50. Receipts were not excessive, considering the season of the year, and had railroad traffic been normal prices for cattle would have made gains. No section of the country is in a rush to liquidate and a period of nursing with light supplies will benefit the market materially.

Butcher Cattle Prices Lowered.

Prices for butcher cattle last week felt the effects of interrupted traffic as well as steers, but there was little loss on the choice kinds of the canner classes. It was the medium grades, cows that have been selling at \$5.50 to \$6.75, and heifers at \$6 to \$7.25, that were marked down 25 to 40 cents. Veal calves were quoted off 50 cents and bulls remained steady. Classes that make canned meats are selling relatively better than the offerings that go to supply the fresh beef trade. This, according to packers, is caused by the small supply of canned meats gathered last summer, the regular time for storing such products.

Slower Trade in Thin Cattle.

Demand for thin cattle narrowed considerably last week, but there was nothing to indicate stagnation or demoralization. Most of the demand came from the west, and receipts were moderate. Prices for stockers and feeders were quoted down 25 cents, and stock calves were off 50 cents. Supplies were well cared for at the decline.

Late Knock to Hog Prices.

Hog prices opened lower the first of the week owing to increased receipts, but later the Chicago market rallied strongly on light weights. The top price there was \$9.55, in St. Louis \$9.30, in Kansas City \$9.05, in St. Joseph and Omaha \$8.95. The hog market early last week had the distinction of reaching the highest levels since April, 1910, but later unsettled shipping conditions turned the market down. Each market towards the close of the week was forced to care for supplies at local packing houses, and this threw the advantage to packers. The top price in Chicago was \$9.45, in St. Louis \$9.40, St. Joseph \$9.15, in Kansas City \$9.20 and Omaha \$9.05. In Omaha Monday, as the result of Sunday's tornado, there was no attempt to trade, but later that market came to rights in good shape and cared for all its offerings, and maintained its relative price position in comparison with other markets. Receipts of hogs continued moderate and supplies are coming from a wide area, to be so small. Weight continues heavy, running 14 to 20 pounds heavier than a year ago. There is a great scramble in the country to get stock

hogs, and very few are available. Recent weather conditions have not been favorable for young pigs and some losses have been reported.

Big Cattle Deal in Texas.

The biggest cattle deal announced convention week in El Paso, Tex., was the sale of 18,000 yearling steers at \$30 a head, and 20,000 2 and 3-year-old steers to D. B. Zimmerman of Pennsylvania. The total purchase price of the 38,000 steers was \$1,400,000. The cattle will be grazed in Oklahoma, Kansas, and Dakota, where Mr. Zimmerman has large lease and land holdings. Mr. Zimmerman is a wealthy coal operator in Pennsylvania, in addition to which he owns a railroad or two, and extensive land holdings in both the East and West. The cattle deal involved more money than any single transaction reported in Texas or elsewhere for a long time, and probably in amount of money expended was never surpassed in Texas.

The following table shows receipts of cattle, hogs and sheep at each of the five western markets Monday, March 31:

	Cattle	Hogs	Sheep
Kansas City	8,000	7,000	8,000
Chicago	20,000	55,000	20,000
Omaha	3,200	7,000	13,000
St. Louis	3,100	9,500	1,600
St. Joseph	3,000	7,000	1,200
Total	37,300	85,500	43,800
Week ago	35,000	60,000	36,850
Year ago	30,125	60,200	49,200

The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

	Cattle	Hogs	Sheep
Per 100 lbs. 1913 1912	1913 1912	1913 1912	1913 1912
Chicago	\$9.10 \$8.60	\$9.55 \$8.00	\$7.85 \$7.00
Kan. City	8.80 8.35	9.05 7.90	7.75 6.75

Break and Rally in Sheep.

Early last week sheep prices turned down 35 to 50 cents, and later sheep made a full recovery, though lambs show a net loss of 25 cents. Weather conditions were responsible for much of the decline. Markets for some time past have been dependent on eastern demand, and last week that was practically excluded by railroad conditions. However, at the let-up in traffic the eastern demand for mutton was unsettled, owing to liberal supplies. Some traders claim the temporary cessation in movement of supplies east will furnish an outlet for the surplus mutton supply and be followed by a vigorous demand. The sheep market, however, is not in a delapidated condition. Killers need supplies and will continue to care for the offerings with little price reduction, as a period of light receipts is imminent. Heavy muttons now are selling better than for some time past and in about the proper relative price position compared with the lighter weight grades.

The Movement in Livestock.

The following table shows receipts of cattle, hogs and sheep at the five western markets last week, the preceding week and a year ago:

	Cattle	Hogs	Sheep
Kansas City	27,300	39,250	28,550
Chicago	43,600	120,000	74,000
Omaha	10,160	51,600	41,500
St. Louis	10,800	34,800	9,750
St. Joseph	6,500	26,800	13,000
Total	98,360	272,450	166,800
Preceding week	102,275	269,500	153,800
Year ago	112,650	339,800	233,475

Let Up in Horse Trade.

The East and Southeast quit buying horses late last week, and few will be taken for those sections until after flood waters subside. In other directions there was a fair demand for horses, but the general trade was dull. Prices were not notably lower, as receipts were small. Dealers advise light supplies until general conditions improve. However, rising temperatures that will bring on the rush of farm work will increase demand.

Grain Fails to Hold Advance.

Early last week, owing to light receipts and prospects that the movement of grain from farms would be retarded, prices for all grain were advanced 1 to 2 cents a bushel. Later supplies increased and demand failed to hold resulting in a setback in the market. All reports from the fall sown wheat claim excellent prospects. Some oats have been sown, and in the Southwest some corn planted. Hay prices remained weak, and in some cases alfalfa was 50 cents a ton lower.

The following prices prevail for grain in Kansas City and St. Louis:

	Kansas City	St. Louis
Wheat		
Hard No. 2	87 1/2 @ .89	.90 @ .91
Soft No. 2	1.01 @ 1.07	1.05 @ 1.08
Corn		
White No. 2	51 1/2 @ .52	.55 @ .55 1/2
Mixed corn	.51 @ .52	.54 @ .54 1/2
Oats		
No. 2 white	.35 @ .36	.35 1/2 @ .36
No. 2 mixed	.33 1/2 @ .34	.33 @ .33 1/2

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
1913 1912	1913 1912	1913 1912	1913 1912
Chicago	\$1.07 \$1.13	54 7/8 54 1/2	35 1/2 35 1/2
Kan. City	1.06 1.10	52 1/2 78	36 5/8 36

Seeds.

Kafir corn, No. 2 white \$1 1/4 c a cwt.; No. 3 white, \$1 c a cwt.; alfalfa, \$9 @ 12 a cwt.; flaxseed, \$1.04 a bushel; timothy, \$1.50 @ 1.75 a bushel; cane seed, 55c @ 90; red top, 75c @ 95; millet seed, \$1.00 @ 1.30.

Broom Corn Trade Dull.

Some reports claim sales of broomcorn in the Southwest were made last week at \$40 to \$70 a ton, but the volume of trade is very small, for the season of the year, and demand shows no urgency. Some warehouse stock is moving, but that, too, is on a small scale, supply considered. Choice, green, selfworking corn is quoted at \$80 to \$90 a ton; fair to good, selfworking, \$45 to \$75; common to fair, \$25 to \$40 a ton.

Livestock in Kansas City.

Receipts of cattle here last week were about the same as in the same week last year, though smaller than in the preceding week. The market opened strong, but as the serious flood conditions East developed prices receded 15 to 25 cents on steers, both to killers and feeders, and butcher cattle prices are down 15 to 35 cents. Veal calves were quoted off 25 to 50 cents and fat bulls held about steady. Choice to prime steers are quoted at \$8.50 to \$8.75, fair to good \$7.75 to \$8.45, and common grades as low as \$6.50. Cows sold at \$3.85 to \$7.75, and heifers \$5 to \$8.45, veal calves \$5.50 to \$10, bulls \$4.25 to \$7.50, stockers \$7 to \$8.15, and feeders \$7.25 to \$8.40.

Hog prices closed last week with a 5 to 10-cent net advance, though 10 to 15 cents under the high point early Thursday. The market sagged late Thursday and broke badly on Friday. The top price Saturday was \$9, and bulk \$8.85 to \$9.

The following table shows the range in hog prices in Kansas City in the past two weeks:

	Last week	Preceding wk.
Monday	\$8.75 @ 9.00	\$8.75 @ 9.05
Tuesday	8.80 @ 9.10	8.80 @ 9.05
Wednesday	8.85 @ 9.15	8.80 @ 9.05
Thursday	8.85 @ 9.20	8.60 @ 8.90
Friday	8.70 @ 9.05	8.75 @ 8.95
Saturday	8.85 @ 9.00	8.70 @ 8.90

Wednesday prices for lambs fell 25 to 40 cents, and weakness earlier in the week had brought the total decline up to 50 cents. Later about 25 cents of the loss was regained. Sheep closed the week stronger. Lambs are quoted at \$7.75 to \$8.50, yearlings \$7 to \$7.55, ewes \$6 to \$6.75 and wethers \$6 to \$7.

The following table shows receipts of cattle, hogs and sheep in Kansas City thus far this year and the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	388,833	359,660	29,173	.....
Calves	22,312	20,642	1,670	.....
Hogs	620,188	784,728	.....	164,540
Sheep	463,421	544,890	.....	81,469
H. & M.	29,971	28,589	1,382	.....
Cars	26,622	28,157	.....	1,535

Livestock in Chicago.

The market last week was uncertain. The proximity of this point to the flooded district was the cause of the unsettled conditions. Prices for fat steers were quoted down 15 to 25 cents, and with but few exceptions cows and heifers were off 35 cents. There was practically no movement of stock and feeding cattle to country points. Prime steers are quoted at \$8.80 to \$9, top early 'n the week \$9.20. Fair to choice steers brought \$7.85 to \$8.75, common to fair \$6.50 to \$7.75. Cows and heifers closed at \$4 to \$8.50; few selling below \$5 or above \$8; bulls \$4.50 to \$7.50, calves \$6 to \$10.50.

Some roads today were able to take consignments of hogs to the East and the market bounded up 10 to 15 cents to a new high point for the year. The top price Saturday was \$9.45, and bulls \$9 to \$9.35.

Wednesday the sheep market was near stagnation, but in the next two days there was a better demand, and prices closed the week 15 to 25 cents net lower. Receipts show a moderate increase over the preceding week. Fat lambs are quoted at \$7.50 to \$8.90, yearlings \$7 to \$8.10, wethers \$6 to \$7.25, ewes \$5.25 to \$6.85.

The following table shows receipts of livestock in Chicago thus far this year compared with the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle	585,224	701,647	.....	116,423
Calves	93,038	124,858	.....	31,820
Hogs	1,948,523	2,280,243	.....	331,726
Sheep	1,107,438	1,349,574	.....	242,136
H. & M.	30,031	33,024	.....	2,993
Cars	61,705	71,863	.....	10,058

Butter, Eggs and Poultry.

Elgin, March 31.—Butter this week is firm at 35 cents.

Kansas City, March 31.—Prices this week on produce are:

Eggs—Firsts, new white wood cases included, 16 @ 16 1/2 c a doz; seconds, 12 @ 13c; current receipts, \$4.75.

Butter—Creamery, extras, 33 @ 34c a lb.; firsts, 31 @ 32c; seconds, 30 @ 31c; packing stock, 24c.

Live Poultry—Broilers, 27 @ 29c a lb.; spring chickens, 15 @ 16c; hens, 14 @ 14 1/2c; old roosters, 9 @ 10c; young roosters, 11 @ 12c; young turkeys and turkey hens, 17 @ 18c; old toms, 14 @ 15c; cull turkeys, 7 @ 8c.

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
1913 1912	1913 1912	1913 1912	1913 1912
Chicago	30	17 1/2 20	18 13
Kan. City	34	30 16 1/2 18 1/2	14 1/2 12



# BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

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FOR absolute bargains in any sized farm find C. D. Kregar, Lincolnville, Kan.

SOME good bargains in well improved Jackson Co., Kansas, farms. Price \$75.00 and up. Wm. Harrison, Whiting, Kan.

STEVENS county; land on new R. R. in Stevens and Morton Cos. \$8 to \$20 per a. Write or see John A. Firmin, Hugoton, Kan.

FINE residence in Wichita, \$5,000, want good 80. 160 a. 3 mi. town, Brown Co., \$15,000. Send for list. Walter Hanson, Sabetha, Kan.

FARM LOANS. If in need of a farm loan anywhere in Can. Kan, if you will write us your needs perhaps we can accommodate you. Dawson & Zutavern, Great Bend, Kan.

WRITE for big printed list of corn and alf. farms in rain belt of Kansas. Biggest list choice farms in state. Kenyon & Holzman, Concordia, Kan. (Pioneer Kan. farmers.)

A BARGAIN: Two 160 acre tracts; fine, smooth improved land, northeast part Finney Co., Kan. \$750 per a. 1/2 cash will handle. A. D. TILSON, 3220 Laf. St., St. Joe, Mo.

AT Kansas City's door: 160 a., 6 mi. Olathe, Kan. Fine land; 40 a. wheat; good improvements; \$80 per acre. A bargain. T. H. MILLER, Olathe, Kansas.

1,800 A. Marion Co. alfalfa and stock farm \$75,000. 16,000 a. N. M. sheep ranch, \$2,500 per a. 5 imp. farms \$35 per a. Gus Schimpff, Burns, Kan.

BEST bargain in Jefferson Co. 160 a., 90 a. in cult. 50 a. dandy wheat; bal. timothy, alfalfa, timber. Dandy improvements. Price \$8,400. P. O. Box 203, Valley Falls, Kan.

ALFALFA AND WHEAT LANDS at \$20 up. Grass lands \$10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be gilt edge. WILLIAMS & PICKENS, Meade, Kan.

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Write for prices on R. R. lands. Easy terms. Santa Fe Land Co., Hugoton, Kan.

ALFALFA FARMS Write for list of farms and ranches near the best college town in the state. CATTLE RANCHES T. B. GODSEY, Emporia, Kan.

## For Sale—7400A. Stock Farm

Two sets good improvements, living water; five miles Mo. P. R. R. in Ness county. A snap. Liberal terms. Write J. C. HOPPER, Ness City, Kan.

## Good Quality at Low Cost

235 acres near Garnett, Kansas, most blue-stem meadow, low price. 60 acres, well improved, 3 mi. of town, subject to one year lease. 160 acres, 1/2 mi. of town, well improved. SPOHN BROS., Garnett, Kan.

## 400 ACRES FOR SALE

Two sets of improvements in fair condition; plenty shade trees. 2 good wells, windmills and concrete water tanks; also creek water at each place. 240 a. of bottom alfalfa land and 160 a. of upland (black soil). 200 a. in wheat, 30 a. alfalfa, 60 a. pasture, bal. corn land, all tillable. 2 mi. town. Phone. Level roads. Will sell part or all. Terms on part. Price \$80 per acre. T. F. JOHNSTON, Garfield, Kan.

## Improved Stock Ranches

6,000 acres. \$5.00 per acre for 3,000 acres. Balance lease land, all fenced; mountain trout creek runs through place. 1,250 acres, highly improved, two good springs. 500 acre farm land, balance first class pasture land. 30 miles south of Denver, on main road from Denver to Colorado Springs. Price \$20 per acre. 550 acres, dandy mountain ranch, 125 acres in hay and farming, 9 room house, barn, and corral. Water piped through house. 25 head of horses, 14 head Durham cattle, all farm implements. Price \$15,000. JOHN HUGHES, 213 Colo. Bldg., DENVER, COLO.

## KAW RIVER BOTTOM LAND

303 acres 2 miles east of Manhattan, in high state of cultivation. The land will produce 70 bushels of corn to the acre. Alfalfa 1 1/2 to 2 tons at a cutting. Soil is rich sandy clay loam, 25 feet deep. Fair set of improvements. Only \$125 per acre. Also 550 acres, 5 mi. east of Manhattan, exactly same kind of land; improvements not so good. Will sell at \$110 per acre. Will divide this farm. Owner a non-resident and anxious to sell. Liberal terms of payment. WILLIAM O. TRAINER, Exclusive Agent, 344 Commercial Bank Bldg., Chicago, Ill. Commission to Brokers.

## Something Unusual

Farm and grazing combination, 1,046 a. Kan. land, blocked solid, well located, on the market short time for \$6.25 per a. Terms, \$1,812.00 cash. Bal. two to eight years, six per cent. Ask for plat and particulars. JOHN W. BAUGHMAN, Owner, Liberal, Ks.

WRITE J. M. McCown, Emporia, Kansas, special bargain list, farms and ranches.

BARGAIN: 160 a. nicely improved, 1/2 mile out, \$6,000. Send for land list. F. C. LIBBY, Blue Mound, Kan. J. L. Wilson, Salesman.

AGENTS WANTED, to sell Neosho Valley corn and alfalfa lands. \$40.00 to \$60.00 per a. G. W. Clark Land Co., Chetopa, Kan.

CENTRAL Southern Kan. alfalfa lands, 320 a. valley land, 200 suitable for alfalfa, \$8,000. 160 a. in valley, 120 in cult., \$4,800. For free list write P. H. THORNTON, Coldwater, Kan.

100 IMP. and unimp. farms for sale in Edwards, Ford and Hodgeman Cos., \$1,100 1/4 up. For further information and list call on or address THOS. DARCEY, Offerle, Ks.

CASH BARGAIN. 240 a. well improved, bottom land close to town. No waste. Part time. Price \$84. E. changes. Write JESSE SIMPSON, Scandia, Kan.

A BARGAIN—680 acres, 3 miles from town; 150 acres in wheat, balance in pasture. Price \$15 per acre if sold soon. Write PIONEER REALTY CO., Protection, Comanche Co., Kansas.

OWNER MUST SACRIFICE—Fine, whole section; 100 a. in fall wheat. Ideal community. 4 mi. from good town. Price \$7,200. Better than railroad terms. Investigate. WINONA LAND CO., Winona, Kansas.

672 ACRE farm, 3 sets improvements, near Arkansas City, Kan. 65 in alfalfa. Best of terms. Ask about this good farm. 80, 160, 240, 320, 408, 620, all above farms are good prices from \$30 up to \$56 per a. WM. GODBY, Arkansas City, Kan.

158 ACRES 5 miles of Ottawa, all tillable smooth land, 35 acres bluegrass, 40 acres timothy and clover, orchard, 9 room house, barn, 40x60; double corn crib; holds 3,000 bu. corn, other outbuildings; buildings in good condition. Owner must sell; will loan \$8,500 6%. Price \$85 per acre. MANSFIELD, Ottawa, Kansas.

280 A. 2 1/2 mi. from Garfield, Kan. In great Arkansas river valley. About 1/2 bottom land, remainder upland; about 200 a. broke, bal. pasture. Good new 7 room house; other outbuildings in good repair. This is an ideal location for a stock or dairy farm being close to main line of A. T. & S. F. R. R. Priced for quick sale at \$30 an a. Address owner, C. R. MURRAY, Garfield, Kan.

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We have a large list of ranch land and improved farm land in Central Southern Kansas for sale at right prices. Write us for description and particulars. THE TERTMAN LAND CO., Wilmore, Kan.

A REAL BARGAIN. 50 acre farm 6 miles Parsons, 3 1/2 miles good small town, new house, new barn, plenty fruit and water, \$5,000. DONAHUE REALTY CO., Mound Valley, Kan.

160 ACRE FARM BARGAIN. 2 1/2 mi. town. No waste land. Woven wire fence, new 7 r. house, furnace, 2 large new barns. Shade, orchard, 60 a. wheat, 40 a. grass. R.F.D. Tel. Ideal home. \$12,000. L. H. MOORE, Conway Springs, Sumner Co., Kan.

GOOD SMALL STOCK MDSE. FOR SALE. \$3,000 stock of merchandise, consists of some shoes, dry goods, ladies' underwear, notions, groceries, etc. In a good town in Anderson county, Kansas. Will give a discount for cash. Fine opening for right man. No trades. Address Lock Box 72, Colony, Kan.

WOULD THIS INTEREST YOU? 160 acres 3 1/2 mi. from Anthony, county seat of Harper county, Kansas, on county road, one-half mile from school. 155 acres in cultivation; rich loam soil, no sand or gravel; 30 acres in alfalfa, balance first class alfalfa land; unimproved except fencing; over 100 acres fine growing wheat. Must be sold; can give reasonable terms, but absolutely no trades. Price \$40 per acre. J. E. COUCH LAND CO., Anthony, Kan.

SEDGWICK COUNTY FARM BARGAINS. 280 a. first bottom farm, improved, one mile to good R. R. town. Biggest snap in state \$45 per a., terms to suit. 240 a. valley farm, a crop producer, good improvements, 10 miles to Wichita, every acre good. 80 a. first, \$55 per a. Be quick for this. 80 a. first bottom farm, near Sedgwick, well improved, in home of alfalfa, \$100 per a., worth \$150. 4 new modern cottages, 5 rooms each, in Wichita, rents \$45 per month, \$6,500. Trade for farm. Call on or write H. E. OSBURN, 315 E. Douglass Ave., Wichita, Ks.

## Along the New Railroad

5 quarters in Haskell, Grant and Stevens counties, near new railroad towns on D. C. & C. V., for \$7 per acre, on easy terms. Can sell single quarters.

HAVE GOOD PROPOSITION FOR AGENTS. DON VAN WORMER, Richfield, Kan.

## \$1.75 Per Month

for 10 months buys guaranteed, level, well located lot in Plains Kansas. "Special Bargains"—Only a few to be sold at this low price. ACT QUICKLY. JOHN W. BAUGHMAN, Desk G, Plains, Kan.

## FOR SALE

480 a. good wheat land, located Pawnee Co., Kan., with house, barn, windmill, granaries, fencing. 1/2 in wheat, bal. still unbroken. Will sell at \$65 per a. Also 160 a. wheat land, 1/2 in wheat, good buildings and fences, \$65 per a. Owners will loan \$40 per a. at 7%. Write B. A. Plumer, Marietta, Ohio, or W. R. Adams, Larned, Kan.

160 A. bottom farm, improved, \$9,500. 440 acres first and second bottom, improved. 485 acres, high, improved, close to town. 160 acres, improved, \$8,500. All fine farms. Other fine farms, low prices. No better for alfalfa, grain, fruit and vegetables. LOCK BOX 285, Wellington, Kansas.

4 STOCK FARMS for sale at \$36, \$41.50, \$60 and \$62.50 per a. PRALLE BROS., Bremen, Kansas.

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KANSAS RANCHES FOR SALE. We have Kansas ranches for sale from 1,000 to 25,000 acres. Prices \$12.50 to \$30.00 per acre. Write for free list. V. E. NIQUETTE, Salina, Kan.

FOR SALE. 320 acres level wheat land \$9.00 per acre. Carry 's on land. Also many other good bargains in corn, wheat and alfalfa lands. L. E. PENDLETON, Dodge City, Kan.

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BEARING orchards, choice alfalfa land, city property, mdse. Sale or trade. Sonneland, Ordway, Colo.

S. BROADWAY, Denver, garden, chicken ranches on car line. Farm land prices. Available for town lots, R. M. Cash, Denver, Colo.

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EASTERN COLORADO—The new homestead law. Bargains in relinquishments. Farm land. You can buy it, if you try it; come and see it and you will do it. Lock Box 713, Garden City, Kan.

SPLENDID FARM FREE from the government. 160 a. or 320 a. rich, desirable, well located, close to thriving, new town. Also rich valley land, from the state. Low prices, long terms. Will all be taken this spring. Information and maps free. S. S. SANGER, Brandon, Colo.

GOLDEN opportunities for a home and investments—NOW. Fine farms, ranches, \$8 to \$10 per a. A few relinquishments. Did you see "bleeding, alms-receiving Kansas" become the wealthiest state per capita? Only a few hours' west of Salina, no finer soil on earth; 50 schools, 4 banks, churches, best of Colorado. Now. Pamphlet. R. T. CLINE, Towner, Colo.

BEST IRRIGATED LAND IN GRAND VALLEY. 25 acres 2 miles from Clifton, Colo. 10 acres, 3 year old apples. \$250.00 per acre. 15 acres under cultivation ready for fruit. Best water right. Terms 1/3 cash, 5 years on remainder. Write the owner, C. W. SAVERY, 425 Exchange Bldg., Denver, Colo.

A REAL INVESTMENT IN COLORADO. 600 acre stock ranch with own water right, reservoirs and ditches. 85 acres in alfalfa, 300 acres can be irrigated. Plenty of timber for all purposes. One mile from school. 8-room house, barn, outbuildings, fences and orchard cost more than price asked. 3 miles northeast of La Veta in Huerfano Co., Colo. Plenty of free range for stock. Price \$13,000. Write us for further particulars of this and other bargains in stock ranches, irrigated farms. Gilmore & Co., 439 Century Bldg., Denver, Colo.

SHEEP RANCHES. 50,000 acres on railroad, well watered, 17,000 sheep. 28,000 acres on railroad, \$2.00 per acre. 15,000 acres, well watered, good soil, \$2.20 per acre.

35,000 acres near railroad, on river, \$2.30 per acre. 35,000 acres on railroad, one of the best in the West, \$2.35 per acre.

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1,440 acres near Denver, well improved. 4,400 acres, including good hay land, \$4.00 per acre.

8,000 acres, 4,000 acres irrigated, with 5,000 acre lease additional, cuts 1,000 tons of hay annually; can be increased to 3,000 tons.

19,000 acres, 2,000 acres irrigated, at great bargain.

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A number of splendid bargains in farm lands and well developed farms. We are familiar with all conditions of the West and know a good buy when we see it. We can supply your wants. REFERENCES: Hamilton National Bank, Denver, Colo. Write for bargain list and full information today. THE ARMSTRONG-WILLIAMS REALTY CO., 825 Ideal Building, Denver, Colo.

THE INTERNATIONAL REALTY & INV. CO. 618-20 Gas and Electric Bldg., DENVER, COLORADO. Write us for highly improved irrigated and dry farms, choice fruit tracts in Colorado, and City Property in Denver.

## MISSOURI

25 OZARK bottom farms. List free. Write J. H. Wright, Marshfield, Mo.

WRITE Morris & Walker for list of south Missouri farms, Mountain View, Mo.

160 A. farm, \$1,800, imp. Write for picture. Box 594, Mountain View, Mo.

HOMESSEKERS farm list, Southwestern Land & Imml. Co., Springfield, Mo.

SPECIAL bargains in improved Missouri farms. Write F. H. Brown, Mayview, Mo.

STOP! Listen! 80 a. creek farm \$850; terms. Other farms. McGrath, Mountain View, Mo.

WELL imp. 160 acre farm, 6 1/2 miles out; \$4,500, on easy terms. Write for particulars. DeMotte Realty Co., Mountain Grove, Mo.

FREE, "The Ozark Region." Contains new list cheap lands, and valuable information. Durnell & McKinney, Cabool, Mo.

WRITE for list improved farms in heart of Corn Belt (Northwest part of State). H. J. Hughes, Trenton, Missouri. Seller of Missouri Black Dirt.

LAND BARGAINS—\$5 down, \$5 monthly buys 40 acres, good timber land, south Missouri; price \$200. Perfect title. Write for list Mo. lands. Fred Jarrell, Mt. Vernon, Ill.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

I HAVE for sale fine farms from 40 a. to 1,000 acres, at \$5 per a. and up, in one of the best counties in the state of Missouri; new railroad now building. For list and particulars write W. D. Blankenship, Buffalo, Mo.

ONE OF THE BEST 200 acre farms in Howell Co., Mo. 160 a. cult. Good house, large barn, other buildings. Fine water, all fenced; plenty fruit. Near county seat. 3/4 mi. school, 3 mi. town. \$6,500. Terms. No trade. A. P. COTTELL LAND CO., Pomonah, Howell Co., Mo.

FOR SALE. Your chance! Act! \$5,760 is the benefit or added value of the average 160 acres as reported by the commissioners appointed by the court to find the benefits on the 63,000 acres in our new levee and drainage district. These are as fine corn lands as can be found. As we are selling these lands at \$30 an acre the man who buys now before work begins on these improvements will get the increase in value. Free literature and further information furnished bonafide inquiries. EDWARDS BROS. REALTY CO., New Madrid, Mo.

BATES COUNTY FARMS ranging from 40 to 800 acres; \$40 to \$75; located 60 miles south of Kansas City, Mo. J. D. SAGE, Amsterdam, Mo.

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A SNAP FOR THE CASH. 200 acres, 160 fenced, 120 cultivation. 2 1/2 miles to postoffice, 1 mi. to school, 10 to county seat. Good house and barn; everlasting spring, fruit; price \$4,000. Will give terms. KIRWAN & LAIRD, West Plains, Mo.

OZARK LANDS FOR SALE. 40 a., all fenced with woven wire, 36 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, 1/4 mi. school; mortgage \$500 due 4 yrs. at 5 1/2%. Price \$1,400. List free. JAS. B. WEBB, West Plains, Mo.

The Blue Ribbon County of Missouri. 40 acres 7 miles out, smooth as prairie, 30 acres in cultivation, all fenced, frame house, price \$1,200. 120 acres, 9 miles of station, 30 acres in cultivation, smooth, practically level, fine spring, 4 room frame house, barn, orchard. Cash only. \$2,250. Address Owner, Box 97, West Plains, Mo.

POLK COUNTY FARMS For Sale or Exchange. Ideal climate, pure water, fine pastures, short feeding season, productive soil, prices and terms to suit. HARRY T. WEST REALTY CO., Bolivar, Mo.

## A Remarkable Bargain

320 A. all level land, 65 a. in cult., 80 a. pasture; bal. saw and tie timber. 180 fenced, wire and rail; 9 room house, good well at house; barn 70x76; good well at barn; smoke house, other outbuildings; phone in house; handy to school and church; 6 mi. to North View on Frisco R. R. 5 mi. to Frigrove; 8 mi. to Co. seat, Marshfield; price \$17,600. Incumbrance \$5,000, 5 per cent, due 6 years; will exchange for good Kansas farm. Will assume as much as \$9,000. What have you to offer? See or write PURDY & COMPANY, Springfield, Mo.

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We are in the heart of the drained lands of S. E. Mo. The soil is a fine black, sandy loam and adjoins town of Malden; population 3,000. Five thousand acres have been sold and is in cultivation. A Kansas farmer said he would not take \$1,000 for his bargain. The price on this land is \$30 per a. 1-6 cash, bal. one, two, three, four, five years at 6 per cent. Write for literature. MALDEN REAL ESTATE CO., Malden, Mo.

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150 acres of good unimproved farming land, near Van Buren, county seat of Carter Co. Fine pasture land, good for dairy, fruit, and in fact you can raise almost anything you can raise in the North. Located in the Ozarks of Missouri. Makes the climate the very best. Excellent water. Price \$10 per acre. For full particulars write JOHN M. CARNAHAN, Van Buren, Mo. (County Recorder Carter Co.)



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FOR SALE: Well imp. 240 a. near city, \$12.50 a. J. A. Webb, Russellville, Ark.

FARMS and fruit lands. All sizes and prices. T. A. Bayley, Ft. Smith, Ark.

CHEAP homes. Send for literature. F. & M. Bank and Trust Co., Horatio, Ark.

OZARK fruit farm. Income \$7,000 in 1912. Heart's delight. H. Hall, Waldron, Ark.

ARKANSAS FARMS. New list and state map free. FRANK BATES, Waldron, Arkansas.

160 A. valley farm \$1,700. 47 a. valley farm \$850. 160 a. valley farm 1 1/2 mi. out, \$2,500. Terms. Box 67, Hatfield, Ark.

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DO YOU want a farm in Arkansas? If so, write for my illustrated book. Imp. and unimp. prairie, timber and rice lands. Write me today. Olaf H. Kyster, Stuttgart, Ark.

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ARKANSAS lands for all staples at reasonable prices, on good terms. Prices are steadily advancing. Now is the time to buy. New list free. HORTON & CO., Hope, Ark.

157 A. improved rich valley farm; 57 cultivation; bal. timbered; 2 mi. Ry., on public road; white neighborhood; \$12.50 per acre. SESSONS BROS., Winthrop, Ark.

DO YOU want a home? Do you want unimp. land for an investment? Let us show you some bargains. Some exchanges. STAR LAND CO., Gentry, Benton Co., Ark.

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\$4,000; 24 acres near high school, Springfield; new buildings; lots of orchard; 4 a. pasture. Finest truck land here. Will sell 15 a. with buildings or whole tract; it is ripe for subdivision. FREDRICKS, Springfield, Washington Co., Arkansas.

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Arkansas Land \$5 to \$40 per acre. 1913 land list free. J. E. DOW & CO., Cotter, Arkansas.

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DON'T be a renter; we sell finest improved corn land in North Louisiana on 15 years' time. Write HUGO JACOBSON, Salina, Kansas, immigration agent.

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Is the best place for a tenant farmer that only has a little money to own a farm. Rich fertile soil—ample rainfall.

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Two crops a year—Good markets. \$10.00 to \$25.00 an acre, easy terms. No floods, mosquitoes or swamps. Write for illustrated literature. NORTH LOUISIANA REALTY & INV. CO. RUSTON, LOUISIANA.

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We have soil here that is so rich it could be used to fertilize your northern farm. We can raise the biggest kind of crops of corn and alfalfa; fatten hogs and cattle for half the money it costs in North or Middle West, and this land can be bought from \$10.00 to \$25.00 per acre.

We have issued a nice illustrated booklet with a number of fine photo engravings showing the splendid growing crops of this country. It tells FACTS in big letters about this section in a simple and a plain way. It is free to you just for the asking. Every farmer should read this book for the information undoubtedly will prove to be of great value to you; it probably will give you the opportunity of making an investment, the best you ever made in all your life. Farm for yourself; farm in Louisiana and particularly farm in Alexandria district. Sit right down now and write us a letter for full information about this most wonderful section of the country.

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ARIZONA for good government land. Climate healthy, summers cool, winters mild, soil fertile. Grain, fruit and dairy. 200 mile auto ride through valleys. ELGIN COMPANY 723 Finance Bldg., Kansas City, Mo.

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INDIAN LANDS eastern Okla. rain belt. Write J. J. Harrison, Pryor, Okla.

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

20 FINE farms, bargains. N. E. Okla. valley. Dennison & Griswold, Claremore, Ok.

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320 ACRE well improved farm, 2 1/2 miles N. W. of Nowata for \$50 an a. Terms. Would trade for Iowa or Illinois farm. Other snaps. WILKINSON BROS., Nowata, Okla.

800 ACRES black land, 2 1/2 miles from railroad. 450 acres in cultivation, 4 sets of improvements. \$30 per acre. E. HOLCOMB, Durant, Oklahoma.

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BARGAINS on farms in New Eastern Oklahoma. Good wheat, alfalfa and small grain land. 47 inch rain belt. Fine grass and several large ranches, cheap. Write today. Union Security Co., McAlester, Okla.

CADDO COUNTY WINS First on agricultural products at State Fair. Write for information, corn and alfalfa lands. Baldwin & Gibbs Co., Anadarko, Okla.

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MUSKOGEE county, corn, cotton and alfalfa lands in rain belt of Eastern Oklahoma at \$20 to \$35 per a., near good towns, schools, churches and markets. Easy terms. Maps and lists free. Beard Land Co., Muskogee, Okla.

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Land \$3.00 to \$25.00 per a. Prices are steadily advancing—now is the time to buy. If you want a good, cheap home, or a money making investment, write to or call on W. T. HARDY, McAlester, Okla.

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You pay in the North, or less, will purchase prairie land, 160 acres up. Will yield 40 bushels corn per acre, only \$40 per acre. Plenty rain, fine climate. Have some exchanges. See or write JNO. C. PENN LAND COMPANY, Houston, Tex.

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OVER 8 million acres land for sale in West and South. Tracts from 40 a. to 200,000. Price \$1.25 per acre and up. We are agents for the Famous Yellow House Ranch, in the shallow water belt of Texas. Best alfalfa and wheat land on earth. \$20 to \$25 per acre. Ten years' time. We want reliable, live wire agent in every county in Oklahoma, Kansas, Nebraska, Missouri, Iowa, Illinois, Indiana, Michigan, Ohio and Wisconsin. References given and required. Good contract to right man. Real estate men preferred. 1913 catalog now ready. EDWD. F. WEBSTER REALTY CO., 411 Commerce Bldg., Kansas City, Mo.

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TO TRADE, for South Kan. farm or stock of goods, modern 9 room house and two fine vacant lots in N. E. Okla. town of 5,000 people. Would also trade S. W. Ark. farm worth \$4,500.00. Chas. C. DePue, Vinita, Oklahoma.

FOR SALE OR TRADE: 480 acres of smooth, level, black, wheat and corn land, 5 miles of town; half cultivated, bal. pasture; joining R. R. switch; some small new bldgs. Well and mill. Same party has modern town house, make easy terms for cash or take land Central or East Kansas. Price \$15,000. BUXTON, Utica, Kan.

FOR SALE—Choice wheat, corn, and alfalfa lands, in Clark, Ford, and Meade Cos. Write for list, trades. NATE NEAL, Real Estate, Minneola, Kan.

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in exchange for one or two good quarters of fine land in east end Hodgeman county, Kansas. Land is clear, but want mortgage back on land for one-third value. Don't write about anything else. Don't want buildings. M. W. PETERSON, Hanston, Kan.

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THE OLD HOME MUST GO. 152 acres, 7 a. timber, bal. cultivated; two-story, ten room house. Two barns, 40x61, 30x40; good silo, granary, hen house, good orchard; nicely located 3 miles from R. R. town. Include 9 cows, 3 heifers, 1 bull, all for \$5,500. Part cash. HALL'S FARM AGENCY, Owego, Tioga Co., New York.

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CALIFORNIA alfalfa and fruit lands. Only \$50 to \$110 per acre including water right. Terms, one-fourth cash, bal. 8 payments commencing second year. Send for booklet 161. Agents wanted. The Cal-Tex Inv. Co., 908 Security Bldg., Los Angeles, Cal.

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CANADA For sale, improved farms, ranches and raw lands in Southern Alberta. LYNN W. BARRETT, Aldersyde, Alberta.

IF YOU have mdse., income property or land to trade, list it with Triplett Land Co., Garnett, Kansas.

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EIGHT room house, gas, electricity and city water, large lot, paved street, one block from high school. \$2,000 equity. Will trade for small farm, registered Jerseys or Percheron mares. Jas. S. Taylor, owner, Iola, Kan.

FOR SALE OR EXCHANGE—A fine 480 stock and grain farm 35 miles east of Wichita and 3 miles southeast of Leon, Kan., in Butler county. Good improvements, plenty of water and fruit. Will take part trade. Price \$35.00 per acre. S. D. Canaday, Hillsboro, Ill.

IMP. 80 A. 2 1/2 MI. INDEPENDENCE, KAN. Good land, priced right, to exchange for Mo. land or income property. 150 other fresh exchanges. Write FOSTER BROS., Independence, Kan.

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WILL EXCHANGE 200 A. FARM \$15 per a. Sherman Co., Kansas, for automobile, rental city property or small farm. Write M. A. ALEXANDER, Owner, Goodland, Kansas.

EXCHANGE. 640 a. near Canadian, Texas. Div. point on Santa Fe. 200 a. fine wheat land, under plow. Well arranged for stock ranch, with tanks, etc. Trade for small farm close in to Topeka. Address OWNER, 426 Elmwood, Topeka, Kan. Phone 2860 Red.

\$36,000 TRADE for rental or merchandise. 1,440 acres smooth, level, contiguous; all good wheat land. Store, postoffice, daily mail, phone, school on the place. \$4,000 in improvements. 200 acres cult. \$25 per acre. E. M. ANDERSON, Owner, Winfield, Kan.

Buy or Trade with us—Exchange book free Bersie Agency, Eldorado, Ks

For Sale or Exchange Land in the great corn belt of Missouri, Kansas and Nebraska. Also Ranches. If you wish to make an exchange address M. E. NOBLE & SON, 507 Corby-Forshee Bldg., St. Joseph, Mo.

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2,100 a. ranch in eastern Nebraska, 20 mi. from O'Neill, Holt Co., all bottom land and good grass and hay land. This is the making of the best ranch in the state. One-third equitable trade, some cash and carry bal. Also \$4,200 first mortgage on 313 a. farm, St. Clair Co., Mo. Due in less than 2 years at 6%. Will take mdse., hardware preferred. Submit your offers. W. L. BOWMAN REALTY CO., King City, Missouri.

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**To Each Subscriber**

I am reproducing here a photograph of the world's best bushel of Seed Corn—the bushel which was awarded first prize at the National Corn Exposition, Omaha, Nebraska, and which I purchased for \$280.00 cash.

I gave some of this seed corn to Mr. H. V. Cochran, one of the most expert seed corn growers in America, and the seed which I offer here was grown from the prize bushel and you will find it the equal of the original bushel, which brought perhaps the highest price ever paid for a bushel of seed corn.

The corn is a large pure white, deep grain, matures in less than 100 days and is an extra heavy yielder.

I believe this to be the greatest opportunity ever presented for the readers of my paper to make a record increase in the quality and yield of future corn crops.

The way to improve the corn crop is by the use of high-bred seed—and here is seed which I believe cannot be equaled by any other, no matter what the price. A few pounds of this seed should bring enough fine quality seed to plant your entire acreage next year.

## Here Is My Great Offer To MAIL AND BREEZE READERS

I have had this "Grand Champion" corn put up in one pound packages all ready for mailing. As long as my supply lasts I am going to give it away on these very attractive offers:

Two pounds of corn and a year's subscription (new, renewal, or extension) to Farmers Mail and Breeze—for \$1.00. I will also give you two additional pounds

for each new yearly subscription you send me other than your own at the regular rate of \$1.00 a year.

You pay nothing for this corn—it is mailed to you, postpaid, as a free gift for your own or your neighbor's subscription to The Mail and Breeze at the regular rate—2 pounds with each yearly subscription.

**BE QUICK! No Time to Lose!! When My Small Supply Is Gone No More Can Be Had at Any Price!**

You've no time to lose if you want to be sure of getting your share of this World's greatest seed corn! I have only a very limited quantity and can secure no more at any price when this supply is gone. Send your subscription or renewal at once. If too late, I will notify you and return money. Fill out and mail coupon at once. You can't afford to lose out on this greatest seed corn offer. Address

**ARTHUR CAPPER, Publisher, TOPEKA, KANSAS**

### Use This Coupon NOW!

ARTHUR CAPPER, PUBLISHER MAIL AND BREEZE, TOPEKA, KANSAS.

I enclose \$1.00 for which send Mail and Breeze one year, also send me free and prepaid Two Pounds of your "Grand Champion" White Seed Corn as per offer.

This is a..... subscription.  
(State whether new, renewal or extension.)

My Name .....

Post-office .....

R. F. D. .... State.....

(Use letter paper for sending other subscriptions.)

### Editorial News Notes.

The Independent Silo Co. are advertising in this paper that they sell their silos direct from the factory to the farmer, that they can save you money if you buy your silo from them. If you are interested in the purchase of a silo write them for catalog explaining how they save you money. Independent Silo Co., 1515 B Genesee St., Kansas City, Mo., 2338 University Ave., St. Paul, Minn.

### "The Twin City Gas Tractor."

The Minneapolis Steel & Machinery Company of Minneapolis, Minn., makers of the famous "Twin City Gas Tractor," have a splendid illustrated catalog which they will gladly send to readers of Farmers Mail and Breeze who are interested in tractors or who contemplate purchasing a tractor soon. If you are interested do not fail to write for copy of their book which explains the merits of the "Twin City" in a clear and concise manner. The company is the largest manufacturer of machinery in the Northwest and is one of the leaders in the manufacture of traction machinery. See their ad on page 27 of this week's issue of Farmers Mail and Breeze. Mention Farmers Mail and Breeze when you write and you will receive a prompt reply.

### Time to Care for the Garden and Lawn.

You'll need garden and lawn tools this month—let us offer all our readers a little advice. Whatever you buy—grass scythes, lawn trimmers, lawn mowers, forks, rakes, etc.—do invest your money in good tools. Quality pays big dividends. The person who buys Keen Kutter tools can be absolutely sure that he has bought the finest tools in America. These tools have been on the market for over 45 years and have earned a nation-wide reputation for quality and durability. Keen Kutter tools are made by the Simmons Hardware Co., and are sold by dealers in practically every city, town, village and crossroads in the country. These dealers are authorized to sell you Keen Kutter tools on the unqualified guarantee that if they are not absolutely perfect your money will be refunded. We urge our readers to see that the Keen Kutter trade mark is on every tool before they buy.

### "Better Buildings."

The American Sheet and Tin Plate Company of Pittsburgh, Pa., recently issued a second edition of its popular booklet entitled "Better Buildings." Devoted, as the title denotes, to improvement in building, this

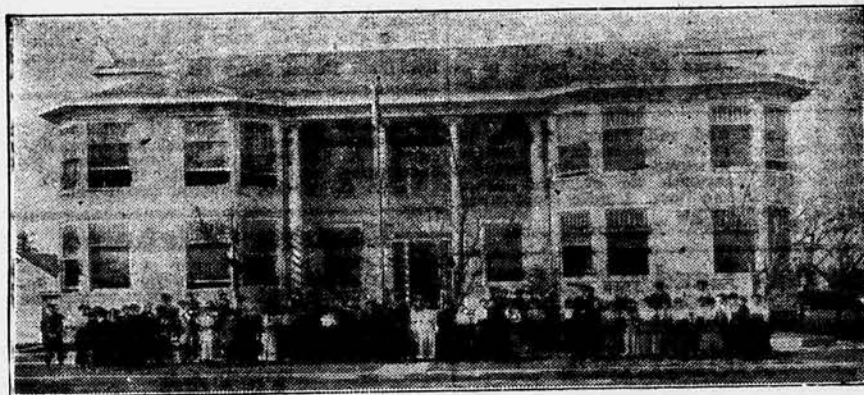
and advertised on page 26 of this issue. We recommend "Sal Vet" because of the unlimited good reports we have heard concerning it and because of Mr. Fell's generous offer to send to any of the readers enough "Sal Vet" to last all their stock 60 days, without a penny of pay in advance and on the understanding that if it does not do what he claims the 60 days' supply won't cost you a penny. All you need to do is to fill out the coupon telling him how many head of stock you have and send it at once to Mr. Sidney R. Fell, Pres., The S. R. Fell Co., Dept. F. M. B., Cleveland, Ohio, and he will do the rest.

### Certain-Teed Roofing.

Roofing conditions have changed materially in the last few years. The modern roof is put on to protect the building and its contents with a pretty definite knowledge of the number of years it will last. The modern roof is guaranteed—for at least 15 years—and on the average size building the owner can save from \$150 to \$175 by using the right kind of roofing. Within recent years ready roofing made of asphalt has come into very common use because of its wearing quality, and because it acts as an insulator and practically makes the building lightning proof. It also protects the building from flying embers and sparks and is much used on farm buildings, factories, buildings near railroads and other buildings in danger of being fired from flying embers. Unlike shingles, it can be transferred from one building to another, and still make a water-tight roof. A good example of guaranteed roofing is that made by the General Roofing Manufacturing Company. It is known by the trade name of Certain-Teed. The word is taken from the two words "certified" and "guaranteed." After this concern had been in business a number of years and their roofing had proved its wearing qualities they placed a guarantee of 15 years on it and gave it the name Certain-Teed, meaning the roofing is certified and guaranteed by them.

### A Tenant's Wife to Landlords.

Mr. Editor—Why are there so many poor tenants? Simply because the landlords discourage poor tenants. When the owners see a tenant hauling out all the manure, and straightening up the place why don't they reduce the rent instead of raising it? Our landowner just the other day said, "Why, that manure you are hauling is worth \$10 a



A few of the office people required to handle the orders for Old Trusty Incubators at the plant of the M. M. Johnson Incubator Company, Clay Center, Neb. Taken March 3, 1913.

attractive booklet is extremely interesting and valuable to those connected with building and the allied trades. It is fully illustrated and contains detailed descriptions of formed metal roofing and siding materials especially adapted for houses, public buildings, churches, fireproof garages, barns, grain bins—practically any and every kind of building no matter whether new or old. Many facts are given which cannot fail to impress those who read them with the advantages and safety gained by using metal sheets suitable for building construction. Attention is drawn to the safety from fire and lightning, strength, durability and consequent economy in the erection of buildings of steel. Throughout this booklet are facts and information concerning the latest ideas and most modern improvements in building. Numerous excellent illustrations are given showing steel roofing, weather-proof siding, culverts, etc. A number of very useful tables of weights and measures are also given and the issue is attractively gotten up in a manner serviceable and instructive. The previous edition of "Better Buildings" proved exceedingly popular and you are advised to send for a copy of the second edition, before it is exhausted, to the American Sheet and Tin Plate Company, Pittsburgh, Pa., who will be pleased to send you a copy free if you mention this publication.

### Don't Have Worm Infested Pastures This Year.

Right now before you turn your stock out to grass it will pay you to see that the older ones, especially, are free from the profit eating stomach and intestinal worms. Unless you do this you can depend upon it that your young lambs, calves, pigs and colts will become badly infested with these pests as soon as you turn them out to pasture. The older animals have been harboring these parasites all through the winter months and millions of the tiny larvae will be deposited in your pasture fields along with the droppings. Here the worms will hatch out and crawl to the top of the grass blades where they are sure to be taken directly into the stomach along with the food and thus infest every animal. The attacks of these robbers on little lambs, pigs, calves and colts are especially severe and the damage they will do to all your stock if neglected cannot be estimated in dollars and cents. They keep the weaker ones gaunt and thin and sickly and some even die. None of their victims thrive as they should and the foundation is laid for hog cholera, swine plague, horse plague and other dreadful scourges. "An ounce of prevention is worth many pounds of cure." The simplest and surest way of ridding your stock of worms is to let them run freely to "Sal Vet," the well known medicated salt, prepared by The S. R. Fell Co., Cleveland, O.,

ton." If it is worth \$10 why don't they pay it and not let the poor man be all the loser. The tenant's stock makes the manure and he hauls it out. The yield may be a little more and there's his profit. On the other hand, the landlord gets a double profit. Another thing, after the owner gets his tenant located, he thinks he can come and dictate to him.

It is my experience with hired girls, that when I get the ill will of them, I find I had better let them go. It is the same with landlords and their tenants. Let landlords give their tenants a chance and they will find they will be well repaid for all their trouble.

Lola, Kan. A tenant's Wife.

A small, well kept flock may prove a profit where a flock of twice the size might show a distinct loss.

### Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Farmers Mail and Breeze is giving us good results. Yours very truly,

**OWNER'S SALE & EXCHANGE,**  
Real Estate Dealers.  
Independence, Kan., Dec. 23, 1912.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—You certainly did me some good with Mr. Barnham, Hope, Kan. I sold him my Model Chief boar for \$150, two bred small gilts and two open gilts out of Queen Ester for \$150. He made the trip and told me that any man that would look at my sows (show sows) would buy hogs from me. He said the cut of my hogs in Farmers Mail and Breeze did the work. Yours very truly,

**CHAS. L. TAYLOR,**  
Breeder of Duroc-Jerseys.  
Olean, Mo., March 11, 1913.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.



# WHAT BREEDERS ARE DOING

**FRANK HOWARD,**  
Manager Livestock Department.

## FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kan.  
J. W. Johnson, 820 Lincoln St., Topeka, Kan.  
N. W. Kansas and S. Nebraska.  
C. H. Walker, N. E. Kansas, N. Missouri, 3632 Flora Ave., Kansas City, Mo.  
Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kan.  
H. W. Graham, E. Iowa and Illinois, Chillicothe, Mo.  
E. R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kan.

## PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

## Percherons.

May 21—J. C. Robinson, Towanda, Kan.

## Poland China Hogs.

May 1—C. S. Nevius, Chiles, Kan.  
May 27—H. C. Graner, Lancaster, Kan.  
Oct. 21—H. B. Walter, Effingham, Kan.  
Oct. 15—E. B. Davis, Hiawatha, Kan.  
Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.  
Oct. 29—Walter Hildwein, Fairview, Kan.  
Oct. 30—Merton Williams, Valley Falls, Kan.  
Feb. 10—H. B. Walter, Effingham, Kan.  
Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.

## Hereford Cattle.

May 6-7—Breeders' sale of Herefords, Kansas City, Mo. R. T. Thornton, Mgr., 1317 E. 15th St.

## Shorthorn Cattle.

April 22—George Allen & Sons, Lexington, Neb., at South Omaha.  
June 6—C. S. Nevius, Chiles, Kan.

## Aberdeen Angus Cattle.

April 29—Omaha, Neb., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.  
May 1—Chicago, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.  
May 2—East St. Louis, Ill., Am. Aberdeen Angus Assn., Chas. Grey, Manager, 817 Exchange Ave., Chicago, Ill.  
Oct. 22—W. F. Eckles, Green City, Mo.

## S. W. Kansas and Oklahoma

BY A. B. HUNTER.

E. E. Frizell, Larned, Kan., reports a brisk demand for purebred Galloway and Red Polled breeding stock. This winter has not been hard on stock and they will be ready to turn on pasture in excellent condition. If you need anything in the way of breeding stock, of either breed, write Mr. Frizell describing what you want. Please mention Farmers Mail and Breeze.

## Duroc Boars and Gilts.

W. A. Wood & Son, Elmdale, Kan., are in position to furnish you with young boars or gilts that you will be pleased to show your neighbors. They carry the blood of the best strains, including the Col. and Tatarax. These young boars are ready for service and if you want a few gilts these are the kind that will make large sows. You can depend on any description of stock given by Mr. Wood. Write your wants, mentioning Farmers Mail and Breeze.

## Big Type Boars and Gilts.

A. R. Enos, Ramona, Kan., has one of the best Poland China herds in Kansas. If you can use a young boar or a few gilts of the big, smooth kind, don't delay, but call and see this herd or write your wants. When it comes to size, combined with quality, you will find few crosses that have produced as good results as the cross of Big Hadley and A Wonder blood has done in this herd. Let me again try to impress you with the fact that if you want something large and fancy, as well, write your wants to Mr. Enos. These young boars and gilts are priced right and will sure please you. Please mention this paper.

## Good Stallions.

Dr. W. H. Richards, Emporia, Kan., is offering Percheron and Belgian stallions, both imported and home bred, that for size, bone, quality and conformation are seldom equaled. They are the cleanest, biggest and best bunch of stallions Dr. Richards has ever offered to stallion buyers. It is worth while for you to go to Emporia and see these

horses if you are expecting to buy this spring. You will see one of the best stables of Percheron and Belgian stallions to be found in the West. Dr. Richards is a veterinarian and a good judge of horses. He goes, himself, each year to France and Belgium and personally selects his stallions. He does not try to impress the public that he is pricing his horses at extremely low prices, but they are priced reasonably and if you want a good stallion, either Percheron or Belgian, with a gilt-edge guarantee, good for two years, and a stallion you will be proud to show your neighbors, it will pay you to drop off at Emporia, Kan., and look these stallions over before you buy. Sale barns right in town. When you call or write please mention Farmers Mail and Breeze.

## N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Arthur A. Patterson, Ellsworth, Kan., is offering choice fall boars and gilts "delivered at your station" at reasonable prices. His breeding is up-to-date and he is growing out the kind that makes you think more of the breed than you ever did. Mr. Patterson will be glad to write you fully about his fall boars and gilts.

L. M. Noffsinger, Osborne, Kan., was the Shorthorn breeder that topped the C. G. Cochran & Son's sale at Salina last month. He bought a fine three-year-old cow at \$300 and got the bargain of the sale. At least he was pleased at securing her for that money. Mr. Noffsinger has some very nice young bulls to sell at reasonable prices. Look up his ad which appears in Farmers Mail and Breeze the year round.

C. C. Ingram, Bloomington, Neb., is offering fall and summer boars and gilts for sale. They are of the Nebraska type, big, but smooth and out of as choice a lot of herd sows as can be found in Nebraska. Their sires are such boars as Hyden's Big Hadley 2nd, Pan Wonder and Nebraska Chief. He will sell you a good boar reasonably. Write him today for further information and prices mentioning the Farmers Mail and Breeze.

Rinehart & Son, Smith Center, Kan., topped several of the best Duroc-Jersey sales last winter. One of these was the Leon Carter sale, at Asherville, Kan., where they secured number one in the sale at \$100, which was the top. March 8th she farrowed 12 pigs and is raising 10 of them without a runt. Number two in the same sale farrowed 12 pigs and is raising 9 of them. The Rineharts are very proud of this sow and her royal litter. You will hear from them this fall and winter.

L. E. Klein, Zeandale, Kan., is offering for sale summer and fall boars and gilts sired by his Iowa boar. They are of the strictly big type and out of his choice herd sows mentioned in these columns before. He is also offering choice Rhode Island Red Cockerels and eggs for sale. Mr. Klein's herd of big type Poland Chinas is one of the best in the country and "Lew" Klein is one of the boys that is doing his level best to make it better. He will sell you a choice boar at a very reasonable price.

## Prince Hadley to Noll.

John W. Noll, the well known Poland China breeder of Winchester, Kansas, recently bought of J. H. Harter of Westmoreland, the good herd boar, Prince Hadley 4326. Prince Hadley is one of the best breeding sons of the noted Big Hadley. His get in the Harter herd proves him to be one of the especially good sires of the breed. He goes to a good home and to head a good herd. Mr. Noll is to be congratulated on securing such an outstanding sire to head his herd.

## Taylor's Shorthorn Bulls.

C. W. Taylor, Abilene, Kan., is offering a select lot of young Shorthorn bulls ranging in ages from six to 20 months old. They are well bred and well grown and are the making of big, strong, useful bulls. Anyone wishing to see them should drop Mr. Taylor a line, telling him when to expect you in Abilene. You will be taken to the ranch and returned to Abilene. You will have a chance to see the whole herd and know how it is handled and a chance to pick the bull that suits you. Write Mr. Taylor for further information, mentioning Farmers Mail and Breeze.

## Morrison's Red Polled Cattle.

Chas. Morrison & Son, Phillipsburg, Kan., is advertising Red Polled bulls and heifers, by Actor 7781 and Launfal 13221, for sale. Mr. Morrison's herd of Red Polleds is too

## MORE RESULTS

Farmers Mail and Breeze, Topeka, Kansas.

Gentlemen:—The advertising in your paper brought more results than all the other advertising put together. It makes me think it is a good medium for advertising. I am enclosing you herewith a small advertisement to be run one month for myself. Two of the best buyers we had, one from Medicine Lodge and one from Larned, I think, came through the advertising in your paper, and we had, I think, about 20 inquiries through your advertisement. Of course, I did not keep a close tab on this thing, but it is the best of my recollection. Cows sold in range condition, for a little better than \$100.00 per head. Of course, I know that flesh sells cattle, but I thought I could convince the buyers that the range condition was of more value than fat for breeding purposes but "hands are up" will not try that again.

Yours very truly,

J. C. HOPPER,  
Breeder of Hereford Cattle.

Ness City, Kansas, March 21st, 1913.

## LIVESTOCK AUCTIONEERS.

Wm. H. Harper, LIVESTOCK Auctioneer,  
GLASCO, KANSAS. Phone for Dates.

JAS. W. SPARKS Live Stock Auctioneer  
MARSHALL, MO.

COL. HOMER BOLES, Randolph, Kan.  
Livestock and General Auctioneer.

Col. D. F. Perkins, Concordia, Kan.  
Up-to-date methods in the Auction business. Purebred stock sales and big sales generally. Write for dates.

L. R. BRADY LIVESTOCK AUCTIONEER  
Manhattan, Kan. Write or wire for dates.

COL. S. B. YOUNG, Osborne, Kan.  
Livestock Auctioneer. Write for dates.

N. S. HOYT, Mankato, Kan.  
Livestock Auctioneer. Big Horse and other Stock Sales a specialty. Terms reasonable. Special service to breeders.

T. E. GORDON, WATERVILLE, KANS.  
Livestock and Real Estate Auctioneer.  
WRITE FOR DATES.

Col. N. B. PRICE, Mankato, Kan.  
LIVESTOCK AUCTIONEER.  
Phone or write for dates. Bonney K. heads my Duroc-Jersey herd

G. A. DRYBREAD Elk City, Kans.  
Livestock and farm sales made anywhere. Give me a trial. Satisfaction guaranteed.

G. C. DENNEY GUIDE ROCK, Neb.  
Auctioneer. Pure bred stock sales and big farm sales. Write or phone.

Will Myers, Beloit, Kansas.  
Livestock Auctioneer. Write or phone for dates. I am located right to give good service.

Col. J. R. LLOYD, ATHOL, KANSAS  
LIVESTOCK AUCTIONEER.  
Write for terms and dates, and reference

W. B. Carpenter,  
Live Stock and Real Estate Auctioneer.  
Also President Missouri Auction School.  
14th and Grand Ave., Kansas City, Mo.

John D. Snyder HUTCHINSON, KANSAS  
LIVE STOCK AUCTIONEER  
Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

## Learn Auctioneering

at World's Greatest School and be independent. Write today for free catalog. Jones National School of Auctioneering, Washington Blvd., Chicago, Ill. Carey M. Jones, Pres

R. L. HARRIMAN  
Live Stock Auctioneer  
BUNCETON, MISSOURI

## BERKSHIRES.

LEON A. WAIT'S  
Berkshires  
A good herd at Winfield, Kan., headed by Lord Duke 8d, 13282.

Hazlewood's Berkshires!  
Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 8, Wichita, Kansas

BERKSHIRES Herd boar, grandson of Premier Longfellow, dam double granddaughter of Black Robinhood. Sow and gilts bred. Everything guaranteed. Close out immediately. FRANK ROBERTS, Wetumka, Okla.

## GOOD SOWS BRED

to champions and grand champions. I also have some splendid fall pigs that I will sell single or in pairs no kin.

## C. G. NASH, Eskridge, Kan.

BERKSHIRES, SHORT-HORNS and JERSEYS

FOR SALE—25 boars by Robinhood Premier 2nd or Rival's Lord Premier, and out of sows representing such sires as Imported Baron Compton, Berryton Duke and Premier Longfellow.

Also a choice Shorthorn bull calf by Silk Goods and out of a show cow.

W. J. GRIST, :: OZAWKIE, KANSAS

## POLAND CHINA.

## BIG TYPE POLANDS.

Young boars ready for service and open gilts ready to breed. They are strong in the blood of Big Hadley and A Wonder. The big smooth kind. Every description guaranteed. Call on or write A. R. ENOS, RAMONA, KANSAS.

## EXPANSIVE CHIEF FOR SALE!

One of the greatest breeding sons of the great Expansive. A 2-year-old and a proven sire. Also a few extra toppy fall boars—herd headers—by Expansive Chief and Long King's Best. All are immune from cholera. I have just the boar you want.

H. B. WALTER, EFFINGHAM, KANSAS

## Robinson's Mammoth Poland Chinas!

My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried boars and a few extra good last fall pigs of both sexes. My terms are: If you are not satisfied return the hog and I return your money.

F. P. ROBINSON, Maryville, Mo.

## BIG TYPE UNPAMPERED BERKSHIRES

200 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truetime, King's Truetime, and the great show boar King's 10th Masterpiece. All long large and heavy boned. Sows farrow all through April, May and June. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth.

## POLAND CHINAS.

SUNNY SIDE POLAND CHINAS.  
The herd of size, bone, and quality. Stock priced right. Satisfaction guaranteed.  
J. G. BURT, SOLOMON, KANSAS.

LARGE WITH PLENTY OF QUALITY.  
Handsomeness young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock.  
OLIVIER & SONS, DANVILLE, KANSAS.

NEBRASKA TYPE. A fine lot of summer and fall pigs by Hyden's Big Hadley 2nd, Pan Wonder and Neb. Chief. Bargains in the best. C. C. Ingram, Bloomington, Neb.

POLAND CHINAS Select young boars, gilts, bred or open. Prices right. Call or Address H. L. BROOKS, LARNED, KANSAS

100 SPRING PIGS Sired by King Hadley, King Blain, Jr., King John and Long John 2nd; orders booked for May and June delivery. W. Z. BAKER, Rich Hill, Mo.

Albright's Fall and Winter Boars and Gilts for sale. 40 head of nice, smooth individuals, sired by Cavett's Mastiff, by King Mastiff, and out of big type sows. Write for prices. A. L. ALBRIGHT, Waterville, Kansas

## Schneider's Poland Chinas

Can furnish choice summer and fall pigs, pairs or trios, not akin, by Guy's Expansion and Goldust Hadley. All of breeding age and priced to sell.

JOE SCHNEIDER, Nortonville, Kansas.

## HARRY HOAK'S POLAND CHINAS

A few large, Big Type boars, also some good sows and gilts bred for early litters. Fashionable Big Type breeding and priced right to buy. Call or write today.

HARRY HOAK, Attica, Kansas

## NEBRASKA BIG TYPE BOARS

Some outstanding September boars by Referendum 5623 and out of Whiteface Queen. Real Herd Header material priced low to make room.

A. N. WAECHTER & SON, Riverton, Nebr.

## 45 BRED SOWS AND GILTS

Poland Chinas, in public sale, Thursday, April 3rd. Also a few choice fall boars in same sale or at private sale. Hogs of a higher order but priced within the reach of all.

ROY JOHNSTON, South Mound, Kansas

## COLUMBUS !!

The 1050-lb. Grand Champion, 1912, Nebraska, Kansas, Missouri and American Royal, heads my herd Big Type Poland Chinas

R. B. BAIRD, Central City, Nebraska

## Summer Poland Chinas

Big Type June and July gilts being bred to GOLD MINE for July and August farrow. Serviceable boars, litter brothers to above. September and October pigs by GOLD MINE and PAN LOOK. Both sexes. Priced right.

DIETRICH & SPAULDING, Richmond, Kansas

## KLEIN'S TABOR VALLEY HERD

Big Type Poland China fall boars and gilts for sale, priced right. Also S. C. Rhode Island Red Cockerels. Eggs 15 for \$1.00 or \$5.00 per 100. Write L. E. KLEIN, Zeandale, Kan.

## Big Type Poland Chinas

15 fall boars, August and September farrow. Some extra good herd headers here; weigh around 200 lbs., sired by a 1000 lb. boar, Ikey Longfellow 58961. Twice sweepstake boar; has 11 inch bone. If you need a young herd boar here is the place to get busy at once. F. C. Swiercinsky, Belleville, Kan.

## Dean's Mastodon Polands

Poland China hogs, the big-boned type, will weigh when mature, 800 to 1,000 lbs. Will sell a few boars of serviceable age, also choice brood sows and gilts, bred to my herd boars, for spring farrow. All

Immunized by Double Treatment

Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d. Everything guaranteed and sold worth the money. Address

CLARENCE DEAN, WESTON, MISSOURI

## POLAND CHINAS!

Bred sows at private sale. Also fall and spring boars. Sows bred to Tom Lipton, Welcomer, Iron Clad 2d and others. Priced right. Ask for prices and descriptions.

JOSEPH M. BAIER, ELMO, KANSAS.

## A. D. JONES,

OF DUNLAP, IOWA

has for sale sows and gilts bred to 1,000 lb. boars, and 600 and 800 pound dams. To farrow in March, April, May and June. Strictly Big Type Poland Chinas. I breed for length, bone and quick maturity. Send for price and description.

## Glenwood Farms Announce

Bred Sow Sale, 45 head, May 1, 1913.

Shorthorn Sale, bulls and cows, June 6, 1913.

Can spare no more bred sows until this sale. Have a few choice boars left. Plenty of Shorthorns, always. We build the most complete concrete silo yet offered the public. Have several on our place. They are a success. Write for particulars. Address, C. S. NEVIUS, CHILES, KAN.



**DUROC-JERSEYS.**

**Duroc March Pigs \$9.00** and up, by Model Again, Long Lad and Tattarrax Boy. R. W. Baldwin, Conway, Kan.

**A Fine Offering Fall Boars and Gilts**  
Booking orders for spring pigs. Best of breeding.  
R. C. WATSON, ALTOONA, KANSAS.

**Big Type Durocs**  
Sold out of bred sows and gilts. Plenty of fall gilts open. Fall boars with all kinds of quality. Fall sale Oct. 17.  
MOSEY & FITZWATER, Goff, Kansas

**TATTARRAX HERD DUROCS**  
Fall yearling sows and gilts, by Grand Champion, Tattarrax and bred for May litters, to the good sire G. M.'s Tat Col. Write today for further particulars.  
HAMMOND & BUSKIRK, Newton, Kan.

**BRED GILTS** I have an exceptionally fine lot of Duroc gilts bred to my prize winning boars for sale, bred right and fed right. Write for prices and description.  
CHAS. L. TAYLOR, OLEAN, MISSOURI

**Royal Scion Farm Durocs**  
Fashionably bred Durocs. Spring and Fall boars and gilts by the great Graduate Col. 28219 and Col. Scion 100471. Out of choice dams. G. C. NORMAN, Route 10, WINFIELD, KAN.

**Good E. Nuff Again King 35203**  
Hear our great herd. Sale average: March 11, sows, \$77.50, sows and gilts, \$53.00. Write for prices.  
W. W. OTEY & SONS, Winfield, Kansas

**HILSIDE DUROCS**  
Sold out of bred sows and gilts. Still have some choice summer and fall boars and gilts, \$20 to \$40.  
W. A. WOOD & SON, Elmdale, Kansas.

**Perfection Stock Farm!**  
Fall boars and gilts, also orders booked for choice spring pigs by State Fair Champions. Pairs and trios not related. Prices right.  
CLASEN BROS., UNION CITY, OKLA.

**FALL BOARS BY DREXEL'S PRIDE**  
the size of my show hogs. Spring pigs by him and Queen's Wonder 112317, a sensational Crimson Wonder Again yearling. All choice and priced right.  
W. T. HUTCHISON, CLEVELAND, MO.

**DUROC-JERSEY BOARS**  
10 head of well bred Duroc-Jersey boars, healthy, with good backs, feet, head and ears, dark cherry color, of popular breeding and priced reasonable, F. O. B. your station if wanted.  
ARTHUR A. PATTERSON, Ellsworth, Kan.

**Dreamland Colonel**  
Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable.  
LEON CARTER, Asherville, Kan.

**Quivera Place Durocs**  
A few, choice summer boars and gilts, bred by Quivera 106611.  
E. G. MUNSELL, Herington, Kansas.

**Bancroft's Durocs**  
We hold no public sales. Nothing but the best offered as breeding stock. Tried sows and fall yearlings bred. Spring gilts bred or open. Fall pigs, either sex. Pairs or trios not akin. Prices right. Customers in 6 states satisfied. Describe what you want. We have it.  
D. O. BANCROFT, OSBORNE, KANSAS.

**Bonnie View Farm**  
Duroc-Jerseys: Fall and spring pigs. Plymouth Rocks: Eggs in season. Searle & Cottle, Berryton, Ka.

**MULE FOOT HOGS.**  
**MULE-FOOTED HOGS.**  
The coming hogs of America: hardy; resist disease; the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free. DR. W. J. CONNER, Labette, Kan.

**Mule Foot Hogs** Bred gilts for spring farrow all sold. Some choice boars for sale. Am now booking orders for pigs of February and March farrow, in pairs not related.  
ZENE G. HADLEY, Box D, Wilmington, Ohio

**HAMPSHIRE.**  
**WRITE J. F. PRICE,**  
Medora, Kans.  
For prices on Pedigreed Hampshire Hogs

**PURE BRED HAMPSHIRE**  
Breeding stock all sold. Booking orders for spring pigs.  
ALVIN LONG, Lyons, Kansas

**Pedigreed Hampshires** of various ages, not a kin. Four boars, 8 months old. C. E. Lowry, Sumner County, Oxford, Kansas

**Hampshires All Sold**  
I have sold every sow that we can spare. Am booking orders for May and June delivery. Low prices. First orders get March pigs.  
T. W. LAVERLOCK, PRINCETON, KANSAS.

**O. I. C. SWINE.**  
**O.I.C. Pigs** Pair, \$25.00. Harry Haynes, Meriden, Kansas

**O. I. Cs., Oxford Down Sheep, BARRED ROCKS**  
2 good boar pigs, large enough for service of the big boned, growthy kind. Also a few extra good gilts, bred to Commodore and out of Climax, one of "The kind that wins."  
W. W. WALTMIRE & SONS, Peculiar, Missouri

**O. I. C. 125 HEAD HOGS** Bred Sows and Service Boars  
W. H. Lynch, Reading, Kansas.

well known to need much boosting. His herd is one of the recognized strong herds of the west and is growing in popularity every day. They also breed Big Type Poland Chinas. For further information and prices address, Chas. Morrison & Son, Phillipsburg, Kan. They have an auto and would take pleasure in calling at Phillipsburg for you and returning you in time for your train. Write them for prices.

**Fall Boars and Gilts.**  
A. L. Albright, Waterville, Kan., breeds the best of big, smooth Poland Chinas and enjoys a fine trade the year round. He has sold out all of his bred sows and gilts and is changing his advertisement in Farmers Mail and Breeze in this issue and is offering 40 head of fall and winter boars and gilts that have been well cared for and that are the big, smooth kind. There are 40 good ones and if you are in the market for anything of this kind get busy at once. Mr. Albright will make prices right to make room for his spring crop of pigs. Here is a chance to buy the tops from this lot of forty boars and gilts at reasonable prices. Write today for descriptions and prices. Look up his ad in this issue.

**German Coach Horses.**  
Jos. Wear & Son, Barnard, Kan., are advertising Oldenburg German Coach horses in Farmers Mail and Breeze. They have some nice young mares for sale and two or three stallions. The Wears clearly demonstrated the value of their coach horses last fall at the leading horse shows where they captured the "lion's share" of the ribbons. They won more than any other individual horse exhibitor. Their offering at private treaty, which is being advertised, in this paper is one of high class and affords a rare opportunity to buy at reasonable prices. Write them for descriptions and prices. Free transportation from Beloit to the farm. Everything registered or eligible. Write today for further information.

**Offering Good Poland Chinas.**  
In this issue will be found the advertisement of Frank C. Swiercinsky, Bellville, Kan. Mr. Swiercinsky is one of the oldest breeders of Poland Chinas in central Kansas. In the Poland China section will be found the advertisement mentioned in which Mr. Swiercinsky is offering for sale some extra good fall boars that have been well grown out and that are good prospects. These boars will be priced right to move them quick. Mr. Swiercinsky lives about three miles north of Bellville and is one of the best fellows to visit in the world. He will be very glad to come to Bellville for you and give you a splendid dinner and return you to town in time for your train. If you want a boar you better write him for particulars.

**The Waechter Poland Chinas.**  
In this issue A. N. Waechter & Son, Riverton, Neb., are changing their advertisement and offering for quick sale some choice September boars. Most of them are by Referendum 56623 and out of White Face Queen, a sow that has proven her worth many times over on the Waechter farm. One of her pigs of September farrow stays in the Waechter herd. These pigs are big for their ages and have the best of feet and backs and quality. A. N. Waechter & Son are well known, big type, Poland China breeders. They have been very successful in growing out herd boars and more than one good herd has been that is being pushed at the present time got his start on the Waechter farm. Both father and son are looking after this good herd and if you want to buy a good boar here is your chance to buy the right kind. Write them for descriptions and prices. Your letter will be answered promptly and you can depend on a square deal from them.

**Duroc Boars and Gilts.**  
In this issue Leon Carter, Asherville, Kan., is offering choice fall boars and gilts for sale. They were sired by Dreamland Col., and L. E. Defender and out of Mr. Carter's famous herd sows. They are the tops only and are extra good and will be priced reasonably to move them quick. Mr. Carter has probably spent as much money for new blood from the big eastern herds as any breeder in the state. This season he has added a fine gilt sired by Col. Gano and bred to Liberty Chief. He bought her in the Larson sale at Logan, Iowa. He also bought a fine gilt in the Mahan Bros. sale at Osborne, Ohio, sired by Orion Col. M. and bred to Fancy Col. Mr. Carter made one of the best bred sow sales of the season and is having good luck with his spring crop of pigs. The top of his bred sow sale was number one for which Rinehart & Son paid \$100. She farrowed 12 pigs and is raising 19 of them and not a runt in the litter. Number two in the same sale farrowed 12 and is raising nine of them. Mr. Carter has always been able to handle them so they show up with good litters. If you need a boar or a few gilts write Mr. Carter at once for descriptions and prices. Look up his ad in this issue.

**Schwab's Percheron Stallions.**  
Geo. W. Schwab, Clay Center, Nebr., the well known breeder of Percheron horses, Red Poll cattle and Duroc-Jersey hogs, is advertising some choice Percheron stallions in this issue. They are blacks and greys from three to six years old and weighing from 1800 to 2200 pounds. He is also offering a fine lot of young Red Poll bulls for immediate sale. These bulls range in age from 16 to 36 months. They are good ones and fully guaranteed and priced low for the next thirty days to move them quick. Mr. Schwab is well known to the fine stock advocates of Nebraska and Kansas in particular and in a general way all over the United States. He is a business man and has the fine stock business at heart. He has been pushing his business in the same energetic way ever since I have known him and has made a success of it. He owns one of the best farms in Nebraska's banner county, Clay. It is three miles out from Clay Center, the county seat. Write him for further information about Percherons, Red Polls and Duroc-Jerseys and you will get a letter longer than the moral law by return mail with full particulars and they will be correct. It always proves a pleasure to do business with men like Geo. Schwab.

## Lookabaugh's SHORTHORNS

Sold on Time at Private Treaty



On six or nine months' time. Yes, the early bird catches the worm. I mean it. If you can make a good note, write. I want to do an honest business with honest people. I want to scatter pure Scotch Shorthorns of the best breeding to be found in the Shorthorn herd books all over Oklahoma, and we have been doing it, too. Our sales for one week, the last week in January, 1913, were \$2655.00. I have just got started. I want you to realize that I am chuck full of business. I don't need the money. I have Shorthorns of all ages, priced from \$50 apiece up to \$500 and \$1,000. They are cheap at our prices. Why? Because the purchasers say so, by buying. Not one man has come this fall that did not buy. I want to please you. Give me a chance. A satisfied customer is a pleasure and a living advertisement. I cannot afford to treat you wrong. I am anxious for each little herd that I sell to make good. Why? Because I want to build my business on a solid foundation. That's why! Let me help you select a few to start with. They make money while you sleep and in five years, if you sleep that long, you will be awakened by the cry of "high-priced livestock." Big boned Poland China hogs and home-grown alfalfa seed in any quantities up to one carload. Mail orders guaranteed to suit, or animal may be returned if cared for properly and money will be refunded. Visitors always welcomed at Pleasant Valley Stock Farm. Write your wants today. Address

**H. C. LOOKABAUGH, Watonga, Okla.**

**GEO. ALLEN & SONS'**  
**Scotch Shorthorns**  
Sale at SOUTH OMAHA, NEB., APRIL 22  
55 Head—10 Bulls and 35 Cows—55  
Representative of the Best Scotch Tribes Exclusively

Especially rich in the blood lines of the best cattle bred by Cruickshank, Willis, Marr Duthie, Harding and Col. Harris; fitly representing the pure Scotch Families and reflecting credit on the herd of Shorthorns as bred with the utmost care by the late George Allen. The cows belong to the leading Scotch Families, many are of show yard character and all are bred or have calves at foot by such bulls as Victor Sultan, the splendid breeding son of America's great Shorthorn sire, Whitehall Sultan, and Avondale's Best, by the great Avondale. The bulls are strictly choice individuals, to head the best herds, are out of our best Scotch cows and they are sons of the Superb Victor Sultan and grand sons of the celebrated Whitehall Sultan. The cattle will be offered in fine condition, and prospective buyers will not be disappointed on seeing the offering. Write for Catalog.

**GEO. ALLEN & SONS, LEXINGTON, NEBRASKA**  
Col. H. S. DUNCAN, Auctioneer. G. W. BERRY, Fieldman.

## Registered GALLOWAY CATTLE

We Breed Market Toppers." JAS. & W. R. CLELLAND, New Hampton, Mo.

**O. I. C. SWINE.**  
**GOOKIN'S O. I. C. HOGS.** Booking orders for different boars, out of sows not akin. Priced to sell.  
F. O. GOOKIN, RUSSELL, KANSAS.

**CHESTER WHITE HOGS**  
Good quality, either sex, the short nose kind. Write for prices. FRANK PROCHASKA, Glasco, Kans.

**Grand View Stock Farm**  
Choice O. I. C. fall gilts, bred or open. White Wyandotte chickens. Eggs for sale now. Stock in season. Write for prices.  
ANDREW KOSAR, GLASCO, KANSAS.

**Neef's Cholera Immune O. I. C's.**  
Pure bred seeds and S. C. R. I. Feds. Hogs all ages for sale reasonable prices. Special on sows and gilts bred for spring farrow. Have choice lot Reid's Yellow Dent, Boone Co. White and Carter's seed corn at \$2.00 per bu. shelled and \$3.00 in ear. Rocaed Texas Red Rust Proof seed oats and seed rye. Some fancy S. C. R. I. Red cockerels at \$1.00 and \$2.00 each. Eggs for setting \$1.00 per 15, \$4.00 per 100.  
Riverside Farms, J. H. NEEF, Boonville, Mo.

**POLLED DURHAMS.**  
**Polled Durham Bulls**  
Six well bred young bulls and a limited number of cows and heifers for sale.  
C. M. HOWARD, HAMMOND, KANSAS.

**ABERDEEN-ANGUS.**  
**Angus Bulls For Sale**  
M. H. ARNOLD, TORONTO, KANSAS.

**ANGUS CATTLE**  
Bulls and females for sale; singly or in carload lots. Address SUTTON & PORTEOUS Lawrence, Kan.  
**RIDGE PRAIRIE ABERDEEN ANGUS**  
Rutger Heatherson 3d 118104, a choicely bred Heatherson, in service. The best families represented. A few choice cows, bred, and open heifers for sale. Prices right, satisfaction guaranteed.  
W. G. DENTON, DENTON, KANSAS.



## DAIRY CATTLE.

**HOLSTEINS FOR SALE** 50 head registered bulls. 93 head milking and coming fresh grade heifers and cows. M. F. KNUDSEN, Concordia, Kansas

**BANKS' FARM JERSEYS**

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale.

W. N. BANKS, Independence, Kan.

**OAK HILL HOLSTEINS**

Bulls ready for spring service by Shadybrook Gerben Sir Kornel out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested.

BEN SCHNEIDER, NORTONVILLE, KAN.

**Neosho Breeze Stock Farm**

Offers for sale high grade Guernsey bull calves, 2 to 4 months old, \$15 to \$22.50. Reg. Duroc-Jersey Sept. heifers, \$15 and \$20 each. S. C. Buff Leghorn eggs \$1.00 per 15, farm range. John Ferenoud, Humboldt, Ka.

**HOLSTEINS** —CHOICE BULL CALVES  
H. B. COWLES, TOPEKA, KANSAS.

**Register of Merit Bull—Jersey**

Year old. Solid fawn. Son of Flora's Golden Fern, 4 in R. of M. Dam Sultan's Beauty, 512 lbs., 1 year, when 28 months old. \$150.00. Bargain cannot be equalled.

R. J. LINSKOTT, Holton, Kansas

**BONNIE BRAE**  
**Holsteins For Sale**

75 head high grade Holsteins, consisting of coming 2-year-olds and about 50 head of heavy springers, from 2½ to 5 years old. All first class dairy cattle. Also registered bulls.

IRA ROMIG, Sta. B, TOPEKA, KANSAS.

**Holstein Bulls**

cows and heifers at farmer's prices. 25 reg. bulls ready for service, as well bred and well grown as money can buy. 25 reg. cows, heifers and heifer calves. 50 high grade cows and heifers. All tuberculin tested and priced to sell. Write or come at once.

H. GLISSMAN, Sta. B, OMAHA, NEB.

## GALLOWAYS.

G. E. CLARK. W. W. DUNHAM.  
CAPITAL VIEW GALLOWAYS.  
12 Miles West of Topeka.

Can furnish car of good bulls ranging in ages from calves to 2-yr-olds. Can suit your wants. Write

CAPITAL VIEW RANCH, Silver Lake, Kan.

**Fort Larned Herd**

REGISTERED BULLS. 20 GALLOWAYS and 20 RED POLLS, 10 to 20 months old. Priced to sell.

E. E. FRIZELL, LARNED, KANSAS

## HEREFORDS.

**Mathews Herefords**

We are offering 20 registered heifers about 11 months old. ANXIETY 4th blood predominates.

FRED MATHEWS & SONS, Kinsley, Kan.

**KLAUS BROS.' HEREFORDS**

A few choice young bulls and heifers for sale, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Their calf crop is the best we ever had.

KLAUS BROS., BENDENA, KANSAS.

**Star Breeding Farm**

HEREFORDS Headed by Topham 4th. 90 Bulls, 14 to 30 mos. Single or double. Can spare a few females in lots to suit buyer.

DUROCS Of most fashionable breeding headed by Model Top 77405. Choice individuals of both sexes for sale at all times.

Sam'l Drybread, Elk City, Kansas

**Modern Herefords**

**ROBT. H. HAZLETT**  
Hazford Place  
Eldorado, Kansas

## SHORTHORNS.

**SHORTHORN CATTLE**

POLAND CHINA SWINE and CLEVELAND BAY HORSES. All stock pedigreed. Prices reasonable. Thos. B. Murphy & Sons, Corbin, Kas.

**SHORTHORNS**

Bulls from 7 to 10 months. Roans and reds. Scotch Tops. Address, L. M. NOFFSINGER, OSBORNE, KAN.

**Pearl Herd of Shorthorns**

Young bulls up to 13 months of age, either Scotch or Scotch-Topped breeding. Well grown and in good growing condition. Can ship via C. R. I & P, A. T. & S. F., U. P., and Mo. Pac. Address

**C. W. TAYLOR**  
ABILENE : : KANSAS

**N. E. Kansas and N. Missouri**

BY C. H. WALKER.

**Duroc-Jersey Fall Boars.**

Moser & Fitzwater, Goff, Kan., report that they have sold all the bred sows and gilts they can spare but they still have plenty of extra good open fall gilts. Their fall crop of boars are the finest they have ever raised and are now ready for service. These boars are the kind that should go to the head of good herds. They are having extra large litters farrowed from their reserved stock. Their herd now numbers around 300. This herd has been building up for the last eight years and they have the kind the people want. Inquiries are always answered promptly.

**Klaus Bros.' Herefords.**

We call attention to the change of copy in the advertisement of Klaus Bros. of Bendena, Kan., one of the state's leading Hereford breeding firms. At this time they are offering a few extra choice young bulls and heifers for sale. The Klaus herd is one of the best in the state or in the West for that matter and their cattle have proved their superiority in the show rings as their record of winnings will attest. And their show cattle are not the only good ones in the herd. They breed their show cattle and show their breeding cattle and buyers will find bulls and females in this herd good enough for any breeder. They report their cattle as having come through the winter in good shape and that their calf crop this spring will be the best they ever have had. Beau Onward and Fulfiller 3d, two extra fine breeding bulls, head the herd and are the sires of the stock they have for sale. Write them for further particulars and prices and kindly mention the Farmers Mail and Breeze.

**Breeders' Sale of Herefords.**

R. T. Thornton, manager of the Breeders' sale of Hereford cattle to be held at Kansas City on May 6 and 7 informs us that all the entries are in and that there will be in the neighborhood of 85 head listed for the sale. Bulls will predominate in the offering and both bulls and females are of a high order individually and as to their breeding. Several of the most prominent breeders in several states have listed consignments to this sale. They include: Gudgel & Simpson, Independence, Mo.; R. M. Fields & Son, Lees Summit, Mo.; O. S. Gibbons & Son, Atlantic, Ia.; E. E. Wall, Leeton, Mo.; The Kansas Agricultural College, Manhattan; Samuel Drybread, Elk City, Kan.; J. L. McGinnis, Moulton, Ia.; E. D. Gorman, Lineville, Ia.; John Schmidt, Tipton, Kan., and E. W. Elliott, Montezuma, Ia. Nothing better in the purebred livestock business offers better opportunities than the Herefords as buying propositions and this sale presents just the opportunity intending purchasers have been seeking. Watch these columns for further mention of this offering and write Dr. R. T. Thornton, 1317 East 15th St., Kansas City, Mo., for catalogue.

**Kirk's Horses In Demand.**

Chas. R. Kirk, president of the Percheron Importing Company of South S. Joseph, Mo., informs us that his trade this year has been the best he has had for a long time and that he has but a half dozen Percherons left. He is about three weeks ahead of last year and expects to be entirely closed out within ten days. Mr. Kirk personally selects the horses in France and this past year his selections were of an exceptionally high order of merit. He is planning on making the trip again this year in April or May and will make every effort to select as good a lot for the coming year's trade. Because he knows personally all of the prominent breeders in the Perche and because he is recognized as one of the best judges who make annual trips across the sea and because he puts up the money that it takes to bring over the best are reasons why his firm is recognized as headquarters for the best in Imported Percherons. There aren't any tall ends in the lots he brings over and the few head left in his barns offer choice specimens for those who have not as yet secured their stallion. Write Mr. Kirk regarding the horses he yet has on hand.

**W. Iowa and N. Nebraska**

BY GEO. W. BERRY.

**Holsteins to Ellsworth County.**

Fowler & Latham of Ellsworth, Kan., were down to Topeka last week and selected a carload of fine young Holstein cows and heifers from the well known herd of Mr. Ira Romig. Their cattle were all choice young stuff and they also bought a first class young registered bull to head their herd. These gentlemen have a fine alfalfa farm at Langley, Kan., where they are starting their dairy farm and are quick to see the advantage of alfalfa, ensilage and the good dairy cow. Mr. Latham, who has had practical experience in dairying, will have personal charge of the farm and they are certain to make a great success of it in central Kansas with her fine climate, great alfalfa fields, and the Holstein cow.

**Geo. Allen & Sons' Shorthorns.**

The sale of Shorthorn cattle announced by Geo. Allen & Sons of Lexington, Neb., to be held at South Omaha on April 22, is perhaps the most important cattle sale for some time and no doubt will attract universal attention. The herd of Shorthorns which was established by the late George Allen is said to be, by well informed judges, the best bred herd of Scotch Shorthorns in America. The herd was founded with individuals selected from the best herds in America and Great Britain, and one of the first sires used in the herd was the noted Godwin, bred by Col. Harris, and whose pedigree shows that all of his ancestors on both sides for four generations were bred by the world's great cattle breeder Amos Cruickshank. Godwin was sired by Imported Spartan Hero and his dam was Imported Golden Thistle, by Roan Gauntlet, and her dam was by Champion of England, Cruickshank's favorite bull. It has been stated that Mr. Allen was one of the most liberal buyers of strictly high class Shorthorns that frequented the sales of the best herds in this country, and from time to time he replenished his breeding herd with choice cattle representing the best blood lines, es-

## RED POLLED CATTLE.

**Foster's Red Polls**

Write for prices on breeding stock.

C. E. FOSTER, R. R. 4, Eldorado, Kansas.

**RED POLLED BULLS**

and heifers by Actor 7781 and Launfal 13221. Cows large, plenty quality, represent best milking families. Also large type POLAND CHINAS. Pigs. Write or come.

CHAS. MORRISON & SON, Phillipsburg, Kan.

## JACKS AND JENNETS.

**JACKS AND JENNETS**

20 head good black jacks for sale, ages from 2 to 5 years; large, heavy-boned, broken to mares and prompt servers. Prices reasonable. Come and see me. Barns 2 miles of town.

PHIL WALKER,  
Moline, Elk Co., Kan.



## JACKS AND JENNETS.

**Jacks and Jennets**

One of the largest selections of large Black Mammoth Jacks in the West. 15 to 16 hands standard. I have the large kind that all are looking for; the kind that bring the large high-class male. Reference: the five banks of Lawrence.

AL. E. SMITH, LAWRENCE, KANSAS.

**Oakland Stock Farm**

The jacks on this farm are all raised there. This is strictly a breeding farm, and not an assembling place of other people's breeding. Five went out last week, with 25 more still there. We sell the good ones cheaper than anybody, because we raise them. Every jack is guaranteed a breeder. If he is not a breeder he isn't worth thirty cents, and the man who raises him should lose him and not the buyer. Will sell them from \$400.00 up; cash or time.

OAKLAND STOCK FARM, Chillicothe, Mo.

**Oldenburg German Coach Horses**

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We have stallions and mares of serviceable ages for sale. Write us. JOS. WEAR & SON, Barnard, Kan.

**60-Bergner & Sons' Coach Horses-60**

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 3159 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon.

J. C. BERGNER & SONS, Waldoek Ranch, PRATT, KANSAS.

**Imported Percherons and Belgians**

I have now for sale a lot of personally selected coming 3 and 4-year-olds as good as France and Belgium can produce. Good heavy bone. Straight draft type with quality and the best of breeding. I give a gilt-edge guarantee, good for two years, with each horse sold. All in just good breeding condition and will be a good investment to the purchaser. I can save you some money on a stallion. Barns four blocks from the A. T. & S. F. depot.

W. H. RICHARDS, EMPORIA, KANSAS

**Percheron, Belgian, Shire and Coach Stallions and Mares**

15 years in the horse business. Never had a law suit, have never sued a man for collection. Each sale is accompanied with a genuine good guarantee from Nolan. Our horses are from one to five years old.

J. M. NOLAN, PAOLA, KANSAS

**25 Percheron Stallions**

At Greatly Reduced Prices

25 SERVICEABLE AGE STALLIONS AT BARGAIN PRICES FOR THE NEXT 40 DAYS. If you are in the market for a stallion come and see them. We sell you MORE HORSE FOR THE MONEY than any other firm in the United States.

**BISHOP BROS., Box A, Towanda, Kan.**

**Mammoth Jacks, Percheron Stallions****14 Head of Kentucky Mammoth Jacks**

from 3 to 6 years old, from 15½ to 16 hands high with 9 and 10-inch bone; priced to sell quick. Write today for prices and description. Five Percheron stallions left for sale cheap. Farm and sale barn on 21st Street, one mile east of Wichita Union Stock Yards.



J. C. KERR, Wichita, Kansas

**Percherons and Royal Belgians**

We have decided to offer all of our state fair prize winners, 22 stallions and mares for sale. Every one of these horses has been shown and has been a prize winner at the shows of 1912. These stallions and mares will be sold at exceedingly low prices, quality considered.

We are showing some other good stallions and mares, which we offer at prices that defy competition.

We earnestly request you to look over our stallions and mares, before buying.

True photos from life on application. Address

**WOLF BROS., Albion, Boone Co., Neb.**  
IMPORTERS and BREEDERS



## JACKS AND JENNETS.



50 Registered, big-boned, black  
**JACKS AND JENNETS**  
from colts to 16 hands high;  
fine body and style, best breed-  
ing. A certificate with each  
animal sold. Jacks, prices and  
terms right. Nothing better  
for Oklahoma and Texas as  
they are acclimated here.  
**KINGFISHER VALLEY  
STOCK FARM,**  
J. H. Smith, Proprietor, Route 3, Box 17,  
Kingfisher, Oklahoma.

**JACKS and JENNETS**

15 head to select from. 15 to 16 hands  
standard. From 2 to 6 years old, all black  
with fine markings. We have the largest  
2-year-old in Kansas. We bred and raised  
George Ray, King George and many other  
noted Jacks, but have the best lot we ever  
offered. They are from Jacks that weighed  
1,200 pounds. Come and see our herd. Priced  
to move them.

**W. H. WHEELER & SONS, Garden City, Ks.**

**Leavenworth County****Jack Farm**

40 Jacks and Jennets for sale,  
3 to 8 years old. Of good quality,  
bone and substance. Write for  
prices or come and see them.  
**Corson Bros., Potter, Kan.**

**Jacks for Cash  
or Trade**

Two Mammoth bred Jacks, 4 and 5 years  
old. Will sell, worth the money, part terms  
to right party, or trade for good mares or  
pure bred or high grade cattle. Address

**D. F. McALISTER, Severy, Kansas**

**JACKS AT PRIVATE SALE**

If you want the good  
kind, come to one of  
the oldest breeding  
barns in the state,  
where you will find the  
large, big boned, black  
fellows that will do  
your country good, at  
prices you can afford.  
**G. M. SCOTT, Rea, Mo.**

## PUREBRED HORSES.

Good Percheron Stallions, Holstein-Friesian Bulls  
prices right. **H. N. HOLDEMAN, Meade, Kan.**

**200 Percherons** Stallions and Mares  
For Sale.  
**Singmaster & Son, Keota, Iowa**

The Best Imported Horses One thousand each.  
Home-bred regis-  
tered draft stallions—\$250 to \$650 at my stable doors.  
**A. LATIMER WILSON, CRESTON, IOWA.**

**Clydesdale Stallions and Mares**

I have a number of Clyde Stallions, many  
of them of my own raising, that I will sell  
at less than 1/4 of the regular importer's  
prices. **R. O. MILLER, Lucas, Iowa.**

**Truman's Pioneer Stud Farm**

**America's Largest Importers**

Shire, Percheron and Belgian Horses

Write for Illustrated Catalogue.

**TRUMAN'S, Box E, BUSHNELL, ILLINOIS**

**Percherons--Red Polls**

I will sell several choice Percheron stallions.  
Blacks and grays, of serviceable age (3 to 6 years),  
weighing from 1800 to 2200 lbs. and broke to ser-  
vice. Also a fine bunch of choice

**RED POLLED BULLS**

16 to 36 months old, good ones, all fully guaranteed  
and priced low for next 30 days. Address

**GEO. W. SCHWAB, Clay Center, Neb.**

**STALLIONS and JACKS**

Percherons and Belgians,  
also Mammoth Jacks and  
Jennets. State Fair winners  
and all at prices that will  
move them. Write today de-  
scribing your wants.

**C. F. COOPER**

**R. 4, Box 4, Hutchinson, Kan.**

## FOR SALE AT

**Riverside Stock Farm**

**10 Head of Young STALLIONS**  
Registered

4 head of Percherons coming 3 years old, weighing  
from 1650 to 1800 lbs. Any one will make a ton horse.  
4 head coming 2 years old; all black, weighing from  
1500 to 1800 when matured will weigh from 2000 to  
2200. They are the big bone kind. 2 black, registered,  
4-year-old Percheron mares. 2 standard bred stallions  
that weigh 1250 to 1280. 1 imp. Ger. Coach stallion,  
Mikus 4561 (133103), brown, 10-2, weighs 1550 lbs., 7  
years old and sound. 4 head of young Mammoth bred  
black Jacks from 15 to 16 1/2, good, heavy boned and well  
broke. All these animals will be sold cheap for the  
quality. Pedigrees and breeding quality guaranteed.

**O. L. Thistler & Sons, Chapman, Kan.**

150 miles west from Kansas City, Mo., on the  
main line of the Union Pacific R. R.

pecially of the leading Scotch tribes. At  
the time of his death the herd consisted  
exclusively of the best Scotch families such  
as the Victorias, Lavenders, Secrets, Missies,  
Claras, Duchess of Gloucesters, Orange Bloss-  
oms, and other well known tribes, and for  
several years has been headed by the great  
breeding bull, Victor Sultan, a son of the  
celebrated Whitehall Sultan and Imported  
Bessie 52d of W. S. Marr's breeding. A  
large part of the young herd consists of the  
get of Victor Sultan, who has proved a sire  
with few equals and no superior in this  
country. As was stated in the notice of  
the death of Mr. Allen, in a late issue, the  
business of breeding Shorthorn cattle and  
Shropshire sheep as was conducted by him  
for a number of years, will be continued by  
his four sons under the firm name of Geo.  
Allen & Sons as before Mr. Allen's death.  
The offering which the sons will make on  
April 22 consists of 55 head of as good  
cattle as the herd affords, including 10  
bulls and 45 females, all of which are of  
strictly pure Scotch breeding. The bulls  
which will be mentioned in detail in a later  
issue are choice individuals, will be sold in  
splendid condition and are fit to head the  
best herds of the breed. The cows will be  
bred or have calves at foot by Victor Sultan  
mentioned above, Avondale's Best, a son of  
the famous Avondale, Count's Victor, a Vic-  
toria bull, or Combination, a son of Victor  
Sultan. Catalogs will be mailed to all suf-  
ficiently interested to write, addressing Geo.  
Allen & Sons, Lexington, Neb.

## King's Big Type Berkshires.

E. D. King of Burlington, Kan., sends in  
change of copy for his Berkshire ad in  
Farmers Mail and Breeze in which he is  
offering 200 bred sows. Mr. King has the  
largest herd of Berkshires in Kansas and  
possibly the largest collection of sows, of  
this breed, in the United States. The sows  
he is offering will farrow during the months  
of April, May and June. Besides the sows  
offered in this ad Mr. King will breed 150  
sows and gilts for August and September  
farrow. Mr. King handles his breeding  
herd in the ordinary farmer's way; that is,  
in the way that every farmer should handle  
his herd. They are not overfed but kept in  
good vigorous condition. That they are in  
the right condition for breeding hogs is  
shown by the fact that the spring litters  
that have been farrowed so far are large  
and thrifty. Mr. King has a very large  
trade in Berkshires, his customers are  
legion. The following letter written by J.  
R. Honeywell of Lincoln, Neb., is typical  
of many letters he receives from his custom-  
ers: "I like the sow you sent me very  
much. She farrowed 12 nice pigs." If in-  
terested in the Berkshires, of best possible  
breeding, write Mr. King and mention Farm-  
ers Mail and Breeze.

**S. E. Kansas and S. Missouri**

BY ED. R. DORSEY.

## Givins's Durocs and Leghorns.

We wish to call the reader's attention to  
the change of location of Harry Givins  
from Blue Rapids, Kan., to Madison, Kan.  
Mr. Givins is the proud owner of Blue Val-  
ley King, thought to be as good a hog as  
the Duroc breed affords. He is a great  
fancier of S. C. White Leghorn chickens and  
in this issue he is starting a small ad call-  
ing attention to his location and pricing  
eggs at a very low price. We have known  
Mr. Givins for a number of years and we  
are glad to have him in our territory and  
among our other good Duroc breeders.

## Big Jacks in Kansas.

We wish to call the reader's attention  
to the advertisement of W. H. Wheeler &  
Sons of Garden City, Kan., announcing a  
fine lot of Jacks and Jennets for sale. We  
have known this firm for a number of  
years, knew them as leading Jack breeders  
when they lived at Cameron, Mo., and some  
of the best Jacks we ever saw were at their  
stables in Missouri. A few years ago they  
concluded to sell their high priced farm  
in Missouri and follow Greeley's advice,  
that is a part of it, "Go west." This firm  
has always handled the larger Jacks and  
are now offering 15 head that are from 15  
to 16 hands high. They find western Kan-  
sas an ideal place to grow Jack stock where  
they have plenty of alfalfa and natural  
grass with plenty of range. Our readers  
can do no better than visit this good stable.

## Parks's Hampshire Hogs.

Mr. Frank H. Parks of Olathe, Kan.,  
breeder of Hampshire hogs, is located in  
two miles of Lenexa on what is known as  
the Sunny Slope Farm, about 15 miles south-  
west of Kansas City, on the Frisco and In-  
terurban. Mr. Parks is very enthusiastic  
over his business and has offered a choice  
pig as a premium for the boys' corn grow-  
ing contest of 1913. He came to Kansas  
from central Illinois where the farmers take  
as much pains in breeding good corn as  
our Kansas breeders do to grow purebred  
stock. His Hampshire herd is built up from  
the best herds in Indiana, Illinois, Ken-  
tucky, Missouri and Kansas, which gives  
him a variety of blood so that he is able  
to furnish pairs or trios not related. At the  
head of the herd is Rubin 1st 11767, bred  
by W. F. Davis and sired by Gold Gem's  
Model 4397, by Gold Gem; both boars of  
national reputation as show hogs and pro-  
ducers of show stock. His sows are by the  
following noted boars: Col. Stone 2669,  
Woodscott Ruler 13867, by Connecticut Wil-  
son 2701 and Runner Up 7311. He has eight  
extra fine gilts bred to Rubin 1st, sired by  
Runner Up. These he will offer for sale.  
Write Mr. Parks if interested in Hampshire  
hogs.

## Chiggers Often Kill Chicks.

Mr. Editor—Some people let little  
chickens out in the grass and weeds  
when very young. They get full of  
chiggers and die without showing any  
symptoms of sickness. Then the owners  
wonder why they lose so many chicks.  
A human cannot stand chiggers, and I  
can see no reason for letting the chicks  
run in the weeds until they are full of  
them. It is sure death, and a loss of  
time and money. **H. E. Whitaker.**  
Fairbury, Neb.

**Lamer's  
Percherons**

A choice lot of  
Stallions and  
Mares to se-  
lect from.  
Owing to this  
time of season,  
we are quot-  
ing prices that  
will certainly  
interest you.

**Inquire  
about  
them**



P. S. We are offering, for a short time only,  
15 GOOD KENTUCKY JACKS.

**C. W. Lamer & Co.**  
**Salina, Kansas**

**Stallions and Mares at Bargain Prices**

**Percherons, Belgians and Shires**

**95 Head of Stallions and Mares**

Forty Percheron Stallions, 2 to 4 years old, blacks, greys and a few  
bays all registered in the Percheron Society of America. Several of  
these 2 year olds will now weigh 1,800 to 1,950. Price \$500 to \$1,000.  
Three, a little higher.

Fifteen Belgian Stallions, 2 to 5 years old, bays and sorrels. Two-  
year-olds that are weighing a ton. Price, \$500 to \$1,200.

Thirty Percheron Mares 2 to 8 years old; blacks, bays and greys,  
all registered in the Percheron Society of America. Twenty-two showing  
heavy in foal. Price, \$300 to \$700.

Ten head Shire Stallions and Mares I will sell at bargain prices.  
All of these Stallions have been examined and found to be of pure  
breeding and sound and certificate as such will go with each horse; if  
you want a real bargain in an imported or American bred Stallion or  
Mare come right away as I mean business.

**L. R. WILEY, Emporia, Kan.**

**ROBISON'S  
Percherons**

For sale now: Twenty-five good young stallions,  
either imported or American bred. Send for cata-  
log of Farm.

Next sale, May 21. Fifty yearlings and two-year-  
olds

**J. C. Robison, Towanda, Kan.**

**Imported Stallions: Percheron, Shire, Belgian**

Each year we show our New Importation the same Month they land. Each  
year they win more than all other Exhibitors combined. At the American  
Royal this year, we won 2nd on 4-year-old Percheron, 1st, 3rd and 4th on 3-  
year-old, 1st and 3rd on 2-year-old, and 1st and Champion Group of Five  
Stallions. Our Horses are Handsome and the best to buy; Our Guarantee  
and Insurance the very best.

**PERCHERON IMPORTING CO., Chas. Kirk, South St. Joseph, Mo.**





# ST. JOSEPH STOCK YARDS

ST. JOSEPH, MO.



Capital and Surplus  
\$200 000



Live Stock Com. Co.  
ALL MARKETS

**NATIONAL**  
**LIVE STOCK COM. CO.**  
**SOUTH ST. JOSEPH, MO.**

Chicago St. Louis Kansas City Omaha Ft. Worth

P. S. Shipping live stock to a good firm is like making love to a widow—you can't over-do it.

**DAVIS & SON**  
Live Stock Commission Merchants  
So. St. Joseph, Mo.



We have seen the St. Joseph market grow from its infancy, having been here 25 years. We count our patrons by the thousands because we have their confidence. We have their confidence because we have done their business right. Write us, wire us and ship us.

<b>CATTLEMEN</b>	<b>OFFICE</b>	<b>HOGMEN</b>
L. A. Kent	A. H. Baker, Vera Dunn	A. H. Baker
H. M. Dort	<b>SHEEPMAN</b>	E. E. Gabbert
Bert Williams	M. E. Bradbury	

**BYERS BROS. & CO.**  
Live Stock  
Commission Corporation  
**STOCK YARDS**

30 Years in Business All Phones, 245 South  
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**Penney & Penney**

Receivers and Shippers of  
**GRAIN, HAY AND  
MILL FEED**

821 to 823 South Seventh Street  
**ST. JOSEPH, MO.**

**Excello Feed Milling Co.**  
St. Joseph, Mo.

Manufacturers of Excello Brands of Molasses Grain feeds. A balanced ration feed for all kinds of draft and driving horses. Excello Dairy feed that shows results. Send for prices and testimonials.

**EXCELLO**

## When You Make Money By Loyalty to Your Home Market, Being Loyal is Easy

The West and Southwest are becoming more and more loyal to the St. Joseph Stock Yards for just that very reason.

## Best Market on the Missouri River

Old shippers will tell you they encounter more good market days at St. Joseph than at any other market without exception.

And they like the way their stock is handled, better.

They like the way they, themselves, are treated at St. Joseph.

They wonder at the fine equipment and arrangement of the yards.

They like the bigger draft they get here—and they come again.



**WHILE THE  
STOCK IS  
FATTENING  
YOU DO  
THE THINKING**



A. G. Frey, Pres. C. G. Dixon, 2nd V. Pres. R. L. Austin, Treas.  
L. E. Cooper, 1st V. Pres. H. B. Hamill, Secy.

**DRYDEN & COOPER**



LIVE STOCK EXCHANGE BUILDING  
**SOUTH ST. JOSEPH, MO.**  
TWELVE YEARS OF SUCCESSFUL BUSINESS

**Drinkard Emmert & Co.**  
**LIVESTOCK**

Leading Commission Firm  
South St. Joseph, Mo.

WE SELL SHEEP AND LAMBS ONLY

**THE KNOLLIN SHEEP COM. CO.**

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Sheep Yards: 158 South Bell  
Office: 179 South Bell  
Office: 179 South Home  
H. B. BLACK, Salesman and Manager  
C. M. PURNELL, Ass't Salesman



**Some Saddle  
Right Price**  
Weight 35 lbs., 17-in. bulge  
**\$32.50**

Features of this saddle: The weight, 35 pounds; 17-in. swell bulge; the price, \$32.50. Order now—the price is right—don't delay. This saddle sent C. O. D., freight prepaid for examination. If saddle is not as represented return at our expense.

H. & M. HARNESS SHOP,  
Stock Yards, St. Joseph, Mo.

**Transit House**



Finest, Best equipped Hotel connected with any stock market in the West. Sixty rooms, hot and cold water, baths, elevator and all modern conveniences.

Unexcelled Cafe. Best service, moderate prices. When you come to St. Joseph, try the Transit.

A. W. MACDOUGALL, Manager.

**SWANSON NEW COMER**  
4-WHEEL RIDING LISTER.

Screw shaft regulates suction, whether lister runs deeper or shallow. Requires only 3 horses. For prices and terms write

SWANSON-ST. JOSEPH  
PLOW CO.  
ST. JOSEPH, MO.



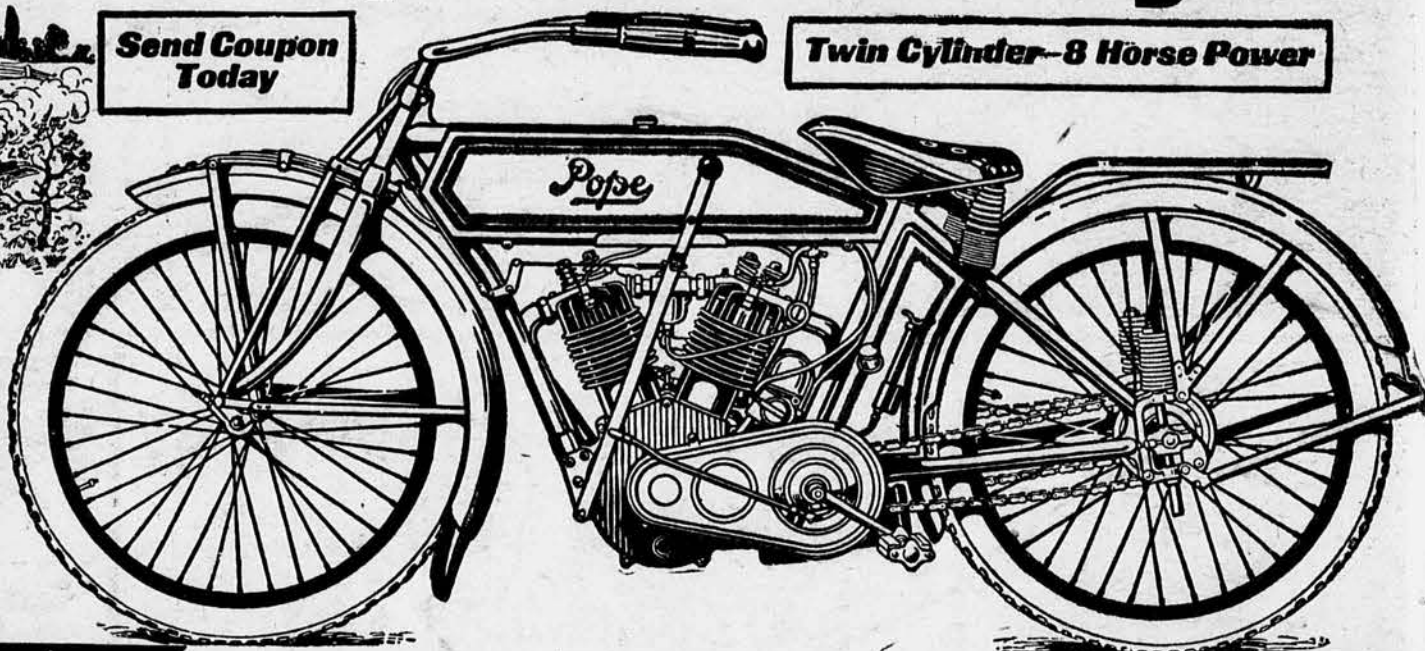


# Your Chance to Get A \$250 Pope Motorcycle



**Send Coupon Today**

**Twin Cylinder—8 Horse Power**



## Motorcycle Coupon

Secretary People's Co. 578 Popular Bldg., Des Moines, Iowa  
Please send me 1500 Free votes and your great Motorcycle Offer

Name \_\_\_\_\_

Address \_\_\_\_\_



E. D. Hastie, Albia, Iowa, Winner of Motorcycle in first contest

**E. D. Hastie says**  
People's Popular Monthly, Des Moines, Iowa.  
Dear Sirs,—I received my motorcycle all O. K. July 15th. I had never ridden one by myself before, but I got on and rode off alright. It has wonderful speed and power. I have gone up the hardest and steepest hills around here with one behind me and the machine never seemed to be working at all.

I am, yours truly,  
Edgar D. Hastie.  
Albia, Iowa.

## Wonderful Motorcycle Offer

You see in the picture to the left of the big motorcycle, a boy riding one of the \$250 Motorcycles we are giving away. In other parts of this little picture are the faces of several other boys. They are hard to find, but by turning the picture about you will be able to see them. Mark at least two of the faces with a cross (X) and send the picture to me. Be sure to send me your name and address on the coupon below the picture, for I will tell you how you can win this eight horsepower motorcycle and many other prizes.

**Many Motorcycles Given Away**—We are giving away motorcycles every few weeks. On this page are pictures and letters from two of the boys to whom we have given motorcycles. Other machines will be given away very soon and this is your chance to get one. Be sure to write me today so I can tell you all about our great offer and send you a complete description of this great twin cylinder, eight horse-power motorcycle. It is made by the Pope Manufacturing Company, who also manufacture the famous Pope bicycles.

**1500 Votes Free**—I will send you a special coupon good for 1500 votes towards the motorcycle if you write promptly. All you have to do is to send your name and address at once. You get the 1500 free votes just for answering this advertisement. Use coupon under small motorcycle picture.

Secretary **PEOPLE'S CO., 578 Popular Building, Des Moines, Iowa**



Fred B. Garrison, Port Huron, Mich. Winner of Motorcycle in 2d contest

### Letter from Fred B. Garrison

People's Popular Monthly, Des Moines, Iowa.  
Gentlemen,—I just received your letter saying that I was the winner of the motorcycle in the contest ending Nov. 30th. I am just the happiest fellow you ever did see and I don't know how to thank you. It is just the thing I have been longing for. I received my motorcycle Dec. 21st and I am certainly delighted with it.  
Fred B. Garrison.  
1087 Griswold St. Port Huron, Mich.

## Big 7-Piece Baseball Outfit Given to Every Boy



This splendid 7-piece baseball outfit is far and away the best prize I ever offered to boys. Last year I sent out hundreds of these outfits and every boy who received one was greatly pleased with it. This year I have a better outfit than I sent last year. It is the genuine "Reach" goods and every piece is a dandy. Here is what I offer you: One strong, well balanced, hardwood bat, about 30 inches long; one double-stitched baseball that will last; one heavy wire mask, strong, well padded, with strong elastic strap; one padded fielder's glove with patent clasp; one best catcher's mitt, very heavy, thickly padded and patented fastener; one neat adjustable belt; one Jersey cap of the latest pattern. When you get this outfit you can get into any baseball nine that you want to join. I can't speak too highly of this outfit. It is certainly a wonder. Write today for my great free offer.

**A. M. PIPER,**

**Dept. 296, 301 Grand Avenue**

**Des Moines, Iowa**