

Forty-Eight Pages

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The FARMERS MAIL AND BREEZE

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The Open Door Policy



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is extracted from the skin and wool of the sheep and is the only remedy that will penetrate the shell of a horse's hoof—take out the soreness and grow new hoof. *Corona Wool Fat* does not burn, blister or cause suffering. It is a cooling, healing, penetrating ointment, quick in action, *heals without leaving a scar*. Read these letters—we have thousands more like them:

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T. J. Tishell,
North Rush, N. Y.

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Fred Stout, Monroe, N. J.

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Louis J. Dumont,
R. F. D. 1, Wolverine, Mich.

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THE FARMERS MAIL AND BREEZE

An Agricultural and Family Journal for the People of the Great West



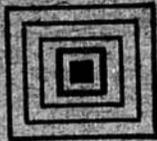
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TOPEKA, KANSAS, MARCH 7, 1914.

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Why Farmer Jones Did Not Succeed

Being the True Story of a Failure, With
the Reasons Therefor Set Down by
an Unprejudiced Visitor



BY F. B. NICHOLS
Field Editor

THIS is the story of a failure. Successes in Kansas farming have been printed in The Farmers Mail and Breeze because it was realized that they are the trail blazers pointing the way to a better agriculture, and many of the methods described can be adopted on other farms. In telling of a failure the obvious purpose is to set up warning signs to guide others along the way.

The man in this case—let it be Jones, as that is not his name—lives in southeastern Kansas, on a 120-acre farm. I have known him fairly well for many years. He "took up" a claim in the early days, so it cost him nothing. There is a mortgage of \$2,500 on that farm today, and the place isn't worth much more than the loan. The soil was naturally thin and it has been all but ruined by illogical cropping. Jones is 53 years old. He could cash in, perhaps, for about \$1,000.



Weeds Grew Rank in the Fields

There are six children in the family, four boys and two girls. Two of the boys are working in the shale pit of one of the brickyards in southeastern Kansas. They get \$1.80 a day, but the plant does not run all the time. The other two boys are still at home, but they are discouraged with country life. One says he intends to go to work in the brick plant as soon as he is 21. One of the girls was married to a man who works for an oil company; he gets \$75 a month. The other girl is at home. These facts about the children are presented merely as an item of news in connection with the home life.

About half of the Jones farm is under cultivation; the rest is rather rough hill land in blackjack trees and pasture. Part of the 60 acres under culti-

vation was broken about 25 years ago, and it has all been under cultivation at least 22 years. There has never been a legume of any kind sown on the farm in all these years except in 1912, when three acres of cowpeas was sown on the poorest part of a hardpan field. The dry weather practically killed the crop and Jones says that he never will sow cowpeas again. He says the price of seed is too high for a man to afford to risk it.

The acreages of the crops usually have been about 40 acres of corn, 12 acres of kafir and eight acres of sowed cane. Sometimes there has been more kafir and less corn, and in one or two years since I knew him Jones has sown oats. But as the crop usually did not do well, for he generally sowed it after kafir, he has eliminated it from the scheme of things. The average yield of corn for the last five years, not including 1913, has been about 15 bushels an acre, Jones says, although I believe this estimate is rather high.

Most of the corn and a part of the kafir has been sold from the farm every fall ever since Jones started farming. From four to six work horses and about five head of cows have been kept; the calves from these cows usually being sold in the fall. As these cows are of the kind commonly known in that community as "spooners," that is, they give a spoonful of milk at a milking, it has not been possible to make much butter for sale, even if this had been desired.

Two sows usually have been kept, some of the pigs being sold at weaning time and some being fattened on the farm. The number of hogs has averaged about ten; just now it is reduced to three because of the short corn crop of last year. The hogs always have been kept in a lot that consists of about two acres, which takes in part of the orchard. This lot grows big sour dock and jimson weeds in the summer, so all the feed the hogs get from it is just a few weeds of other kinds and a little fruit of doubtful value.

This orchard, into which the hog lot extends, is a most amazing place. The trees consist of the Ben Davis and Winesap varieties. For the first few years after they came into bearing they produced pretty good fruit, for that was before the insect and fungous diseases of apple trees became so bad in southeastern Kansas. In the last few years these pests have attacked the orchard with considerable energy, and many of the trees are dead. It is a

dismal place, and it doesn't produce 1 per cent of sound apples. It never has been pruned or sprayed.

The orchard produces a great growth of weeds, for the soil contains considerable humus from the crops of weeds and other growth that have been rotting on it for many years. It naturally was of about the same degree of fertility as the fields, but the system of soil management used in the fields has been much different. In speaking of this one day Jones said:

"I never had enough land here to afford to change the crops around. I needed all of it for corn and kafir and a little cane. Now if I had owned twice as much land I might have changed it a little, and sown some wheat or a little more oats. The trouble here is that the soil is not strong; it just doesn't produce as it used to; I remember one good crop, back there in the early days, when the whole 47 acres I had in corn averaged more than 80 bushels an acre. But this lowering of the crop yield always happens, young man; I saw it back in Illinois before I came to Kansas."

In addition to trying to buck the game of farming on a system that is fundamentally wrong, Jones has had a bad case of "haybaleritis," which caused him to leave his corn crop about the first week in July every year to go to work in the prairie hay camps; prairie hay baling being a great industry in his section. Instead of staying with the corn and kafir until they were really ready to lay by, he has always left them just at the time when they needed cultivation; which is just when the plants are large enough to demand a great deal of water, but before the root systems are well established and before the plants shade the ground much.

It is not right to judge Jones too harshly for quitting his corn and leaving for the hay fields at this time, as farmers in northeastern Kansas would be inclined to do, for most of the men in his community do the same thing. They quit the crops at the time they need the most attention to go to work at the hay camps to get a little ready money. As a rule, Jones has lost several times as much money every year on his crop by not cultivating it as he has made for the first two or three weeks in the hay camps, but this is something that he seems never to understand. His contention is that corn need not be cultivated after the Fourth of July.

Vacation time comes on the Jones farm after the return from the hay camps, which generally is in September. A few shocks of corn are cut, but as a

(Continued on Page 35.)



A TYPE OF FARM WHERE MEN WHO FAIL ARE ENCOUNTERED

DEPARTMENT EDITORS
 Livestock Editor.....Turner Wright
 Field Editor.....F. B. Nichols
 Farm Dolage.....Harley Hatch
 Markets.....C. W. Metaker

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ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor.
 CHARLES DILLON, Managing Editor.
 A. L. NICHOLS, Associate Editor.
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PASSING COMMENT—By T. A. McNeal

The Case of Mexico

I am not one of those who indulge in carping criticism of President Wilson on account of the course he has pursued in regard to Mexico. On the contrary he has my strong sympathy. I believe that he is actuated by a high purpose to avoid the bloodshed and tremendous cost that must follow armed interference in Mexico. Of course the United States can conquer Mexico, but it is also true that it would require an army of perhaps 200,000 men and the expenditure first and last of more than a billion dollars. It would mean that for many years we would have to police Mexico with a large force.

It is a most serious problem that confronts the president and my sympathies are with him, but we know that there must be an end some time of the conditions now prevailing in Mexico. It is a state of anarchy and bloodshed and most heartless cruelty. In this respect one side has no advantage over the other.

Huerta is a cold blooded assassin and Villa is a red handed murderer. Villa talks like a patriot but he acts like a villain, without any more mercy in his heart than the worst Apache Indian that ever roamed in the mountains of Arizona. If Huerta is overthrown it means only the substitution of another cold blooded murderer as ruler with a continuation of bandit warfare and the permanent destruction of all legitimate industry. This state of affairs cannot last always. The policy of President Wilson is getting nowhere. American citizens are being murdered in cold blood. Of course they were foolish to stay in Mexico, but after all they had some reason to suppose that their own government would afford them some protection. More fuss is made by our own government over the killing of one British subject than has been made over the killing of several hundred American citizens, if reports are to be believed.

It looks to me as if we are drifting inevitably into war. One of these days the men of Texas and New Mexico and Arizona will just gather themselves together and ride over the border and the real trouble will begin. And what will our government do then? Will our army be sent down to force these volunteers to come back? My judgment is that the people of the United States would not stand for that. If that sort of a movement starts, and it is very liable to, there will be no such thing as stopping it. So I say that the situation in Mexico looks very grave to me.

Defends the Banks

In a former issue of the Mail and Breeze a subscriber called attention to the wide discrepancy between the amount of deposits reported in the Independence banks and the amount of money reported to the assessors, the inference being that somebody is holding out a vast sum from taxation.

R. W. McGrath of Fredonia is inclined to take issue with this inference. He says, "If the Independence reader had called at that bank he would probably have found that a very large part of those deposits belonged to the state, county, city of Independence, various school districts and municipal townships in Montgomery and adjoining counties, none of which are subject to taxation. He would also have learned that said bank pays 4 per cent interest on time deposits and savings accounts and that a large part of these belong to individuals who list their property for taxation outside of Independence but send their moneys to the progressive banks of Independence, which pay 4 per cent as against 3 per cent paid in Kansas City and other commercial centers."

Near the End of the Chapter?

Mrs. L. O. McFarland, of Stillwater, Okla., writes at considerable length on the reasons for the present unrest and dissatisfaction. She believes that we are living in the closing days of the earth's history of which the Scriptures have foretold. Evil men wax worse and worse despite the fact that we are told that the world is growing better. The perilous times mentioned, according to Mrs. McFarland, are to take place in the political, social and industrial worlds. The trouble is world wide. Only a short time ago a member of the English parliament in a speech said: "The growing unrest of the world is appalling and something must be done to avert the storm that is fast approaching."

"We hear much about peace, disarmament; no more war, etc., but notwithstanding all this peace and disarmament talk the building of dreadnaughts and war vessels of all kinds is more extended than ever before.

Each country is trying to outdo the others, straining every resource to meet the growing demand for more preparation for war. What are they building for? Answer: Armageddon. All these things are precursors to the coming of the Lord."

W. L. Eckert, of Melba, is of the opinion that the high cost of living is the result of governmental extravagance. "I think," says Mr. Eckert, "that our state and nation should not spend so much for high salaries, standing army, etc. Look at the salary of the president and so on down the line. I think there are a great many level-headed and generous-hearted farmers who would take the job for a good deal less and would get along on common nourishment instead of those costly dinners, such as they have at the Capitol. These big dinners are expensive, and who foots the bill?"

"And now as to cheap money: I know a man who has spent his life on the farm and managed to save enough to pay for his little place, but is no longer able to work and must live on the interest on his little savings which he lends at 6 per cent. Out of this he pays 2 per cent taxes, which leaves him only 4 per cent to pay for his board and clothes. It is not right in my opinion that the country should be flooded with cheap money to starve the old man out."

Charles L. Bigler, of Gypsum City, takes issue with A. J. White on the tariff question. He says in part:

Our protective tariff was never intended to protect the farmer. It was intended to help the infant industries get started so they could stand on their feet. It was kept up until they not only stood on their feet, but on everybody else's feet as well. Maybe these protected manufacturers did pay high prices for raw materials and labor but they took the money back again in exorbitant prices on manufactured goods.

How did the little man profit? Did it help him just because the money passed through his hands? He would have been much better off if the price had not been so high for the raw material, if he could buy the manufactured goods at a decent price. Not long after the tariff was reduced large shipments of Canadian meat arrived in Chicago. The price of dressed meat fell several cents. The common people of Chicago bought their meat cheaper and said nothing, but in a single day they saved several thousand dollars. On the other hand, the packer had to sell his meat in competition with this Canadian meat and he raised an awful wail. He pictured himself as ruined and said that he could not pay a reasonable price for cattle any longer.

That wail echoes and reechoes over the land. The farmers began wringing their hands because the country was being ruined and had it been in their power probably President Wilson would have been unable to sit down that evening as a result of the kicks he would have received. And why? Because the wealthy packer who had for years been robbing the people by the aid of the tariff had started a cry that the country was being ruined. The way some people acted was about as reasonable as the actions of a crowd at a false alarm of fire. If they could have seen the benefit derived by their fellow middle class people, the whole situation would have seemed different.

Now here is a letter written by an honest and hard-headed farmer out near Oberlin, Kan., C. C. Swisher, whose viewpoint is widely different from that of Mr. Bigler. Mr. Swisher believes that the present tariff law will work a great harm to the farmers. I do not know whether it will or not. I cannot see that he has been injured as yet, but it may eventually work out to his hurt.

In one thing I agree with Mr. Swisher. The new law was not framed in the interest of the northern and western farmer. If the farmers of the North and West are not injured it will be because the supply of cattle raised in the world is not equal to the demand and therefore the price of livestock will keep up to a reasonable figure. Mr. Swisher thinks the future will see lower prices for both the farmer's grain and his stock.

"The time when free trade will hurt the farmer," says Mr. Swisher, "will be in a generally good crop year. It is of course not hurting the farmer this year for on account of the drouth this has been an off year with the farmer. Not in 30 years has there been such a scarcity of hogs and cattle and grain. If it had not been for free trade there would have been record high prices for all three of these farm products.

"How a farmer can be a free trader is beyond my comprehension. It means millions of pounds of beef shipped here from South America and Australia. It means free butter and eggs from China, Belgium, Australia and other places where labor can be obtained for half of what has to be paid for labor in the United States. I do not pretend to be a prophet

but my guess is that Mr. Farmer will give this tariff bill a black eye at the next election.

"Here, as I see it, is what free trade means to the farmer: 9 to 25 cent corn; 40 to 60 cent wheat. But the banker will charge the farmer the same rate of interest on his loan and the retail store will charge you the same old prices for goods. The doctor will charge the same price for his visits; the minister will require as much salary. If you ship in, booze the package will cost the same as before and when you are lined up before the judge as a result of too much imbibing the fine imposed will be just the same. Your car fare will be the same; your hotel bill will be no less and the subscription price of your newspaper will not be reduced."

Another reader, who fails to sign his name, reads me the riot act also on account of the tariff. He says in part: "Is not the mere fact that our present administration has taken the protection from the farmer and kept it on every other kind of business a proof that it is unfriendly to or an enemy of the farmers of this country? The eastern farmers, who are mostly farming from \$100 to \$150 land should and would get from 75 cents to \$1.00 a bushel for their corn if it were not for the present tariff law. You say that hogs and cattle bring good prices, but the fact is that every farmer in Kansas who buys corn to fatten hogs is losing money. Now please take the farmer's side and stay with him if you want to run an agricultural paper."

John L. Wertin, of St. Joseph, Mo., says that he has been interested in the somewhat heated arguments that appear in the Mail and Breeze. "I am not a farmer," says Mr. Wertin, "but my wife and I were raised on a farm in Doniphan county, therefore I disagree with A. B. C.'s pessimistic view, also that of Fred Harris, of Soldier, Kan., and L. B. Barkley of Wagner, S. D. I think they gave only the darkest side of farming. There is no better occupation in the world if you go at it right. If the A. B. C. class of farmers would doctor up their livers and also their nervous systems they would feel better toward their neighbors and their city brothers.

"In the cities there are many who live from hand to mouth. In many cases this is found to be the fault of the individual, sometimes because he does not want to work and is trying to get something for nothing. There is, of course, more than one cause for idle men in the cities. The farmers may be in part to blame for some of this idleness. They will not, as a rule, hire a man or a family except during the busy season in the summer. In the fall the man is turned loose to 'root hog or die' in the city, as he hasn't room on the farm. Another reason is that there are too many foreigners being shipped into our country. They are willing to work for less than American laborers and live in a style that Americans will not live in.

"A great many of our corporations do not pay sufficient wages for certain kinds of labor to enable a self-respecting American to live and keep his family as they should be supported—for example, the section hands on the railroads. If we could only do something to regulate the wages and stop the importation of so many foreigners, I think our country would have plenty of work for our men and that there would be less need of charitable organizations, less thieving and fewer suicides.

"I am opposed also to mixing politics and religion. Individually I think a man is better if he holds to some kind of religion. He should have the privilege of using his best judgment as to what religious denomination he should join. A Catholic is as good as a Protestant if he is an honest and upright man. I am surprised that there are in this enlightened country a few who believe such falsehoods as that the basements of Catholic churches are used as arsenals. I know that such a statement is without any foundation in fact. I am a Catholic and a Democrat, but do not believe in partiality. I am in favor of and will vote for the best qualified man regardless of politics or religion."

Frank Hevel, of McCune, Kan., believes that the great instruments and machines of production and distribution should be collectively owned. He says in part: "We have the machines, the raw material and the men to produce sufficient to supply the needs of all. Why is it that the majority have only the bare necessities of life? Are the machines run for the benefit of the people or of a few individ-

uals? Is it not a fact that the labor saving machines are doing the work every day with less and less labor, creating a larger number of unemployed, without shortening the hours of labor of those still employed? Is it not a fact that those employed in the mines, mills and factories produce more value in goods than they receive in labor?

"Census bulletin No. 150, shows that the average skilled mechanic produces an average of \$2,471 worth of goods a year and receives in wages \$437. The surplus created by the workers, the difference between their wages plus the cost of maintaining the machinery and the raw material, is the profit to the machine owners.

Should not the great machines of production and distribution collectively used be collectively owned and run for use instead of profit? Can we expect any permanent relief so long as the great machines of production and distribution on which we all depend, are owned and operated by a few for the benefit of a few, instead of for the benefit of society?

Farmers' Organizations in Kansas

M. C. Serest, of Edgerton, Kan., asks for the names of the three active farmers' organizations in Kansas. Possibly there are more than three but the three that are state-wide are the Grange which has been in operation for more than forty years; the Farmers' Union, which has been in operation for perhaps ten years and the Farmers' Equity Union.

Mr. Serest also wants to know the name of a commercial fertilizer that contains all the necessary food elements. I cannot say that there is any such commercial fertilizer. Sometimes those who have fertilizers for sale claim that they possess all the elements of fertility, but I have my doubts about it, just as I have serious doubts when I read that some patent medicine is capable of curing all diseases.

A Fruitless Controversy

Some weeks ago I received a letter from a reader who evidently had become concerned on account of some charges that have been made against the Catholic church. He seemed to want to know whether I believed they were true. I told him that I did not and supposed that would end it. I find however that I have opened up a vein of trouble. Ardent Catholics write letters defending their church and bitterly denouncing those who attack it. On the other hand anti-Catholics flood me with letters denouncing the Roman church.

I have mentioned several of these letters in order to be fair to both sides. The controversy so far as this paper is concerned is closed. It gets nowhere. I think the writers on both sides are sincere and honest, but they are not in a state of mind to render a fair judgment. If I believed that the publication of this correspondence pro and con would result in benefit to anybody I might consent to let it run. I know, however, that it will not.

Maybe Villa Is a Statesman

Villa, the most successful military man so far developed by the war in Mexico, is a bandit. That his methods are cruel goes without saying. Neither side in the Mexican trouble so far has shown any noticeable inclination to humane methods of warfare. Both sides employ the methods in vogue among savage peoples. Few prisoners are taken and for the most part what are taken do not long trouble their captors.

In the matter of cruelty neither side seems to have any the best of the other. However, my sympathies are with the followers of Villa. Cruel as he is the triumph of his army, the complete overthrow of Huerta and his followers means in my opinion a better day for Mexico.

Here is the program outlined by the rebel leader:

Every Mexican shall have a piece of land, so that he may live; all the world shall work and there will be a school for every child in the republic.

The schools are nearest to my heart. Will the Constitutional soldiers form the new Mexican army? Amigo, after the revolution there will be no army in Mexico. The army always has been the dictator's strongest support and the most powerful means of oppression. Never another dictator in Mexico!

This is my plan for the soldiers who fought for independence (here the general sat up and his eyes glowed): We will establish military colonies in every state of the republic, made up of the soldiers and their wives and children. Three days of the week they shall work and three days they shall undergo military instruction. Every grown man in the country will be taught how to fight, but these military colonies will be the frame of the national defense. In time of national danger we have only to use the telephone and citizens of the republic will spring to arms, already an army of volunteers.

Schools, factories, great agricultural enterprises, will be established in these colonies. We must give the soldiers work. I do not believe in pensioning them. The mind of an idle soldier runs to war. Even the cripples, the poor fellows maimed in battle, shall have employment. Work educates men and makes them good citizens—useful work, I mean. I want the government to establish leather factories in the state of Chihuahua, to make harness, shoes and saddles, where the old soldiers can find work, and I want to oversee the whole process, from the buying of hides right through to the finished products. We can beat the world making leather in this country.

A pretty good program if carried out. It means the breaking up of the vast landed estates in Mexico and the end of peonage and almost universal illiteracy.

Seventy-five per cent of the masses of Mexicans can neither read nor write. No wonder the republic has been largely a failure. Landed estates totaling millions of acres each are not uncommon. No wonder insurrection flourishes. Give the peon his own little farm, give him a chance to educate his children and get rid of the burden of priestcraft and superstition and it will be found that he is not such a bad sort after all.

And while I am about it let me say I have no sympathy with those who would if they could force President Wilson into a bloody and most expensive conflict in Mexico. I am sorry to read of any American or Englishman getting killed down there, but it must be remembered that they have all had the opportunity to get out of there. They took their own chances when they went into that country and the people of the United States who have stayed at home should not be called on to sacrifice either their sons or their treasure to protect the lives and property of those who have stayed down there after they have had ample and fair warning.

An Indefensible Business

When a business gets so bad that its own friends no longer have the nerve to defend it, it must be bad indeed. Perhaps the most damning indictment of the whole liquor business that has appeared in print recently is that which appeared in a late number of the Liquor Dealers' Journal. It reads as follows:

The prohibition fight henceforth will be nationwide, and contemplates writing into the national constitution a prohibition of the manufacture and sale of all alcoholic beverages. To accomplish this result will require the ratification of thirty-six out of the forty-eight states in the Union.

Of these nine are already in line through state prohibition—Maine, Kansas, North Dakota, Oklahoma, Mississippi, Georgia, Tennessee, North Carolina, West Virginia. The last five have been added within a period of six years. In addition to these there are eighteen states in which a major part of the people live in territory made dry by local option, in which we may be assured prohibition sentiment predominates.

If the people of these states who are opposed to the liquor traffic demand it, their legislatures will undoubtedly ratify a national amendment.

The most influential argument against prohibition is that it is not effective; that "prohibition doesn't prohibit." This is not basic or moral; the fact of failure to enforce is no argument against even the expediency, much less against the moral issue involved.

Ultimately all questions must be settled by moral standards; only in this way can mankind be saved from self-effacement. The liquor traffic cannot save itself by declaring that government is incapable of coping with the problem it presents; when the people decide that it must go, it will be banished.

We are not discussing the benefit or justice of prohibition, but its possibility and its probability in present circumstances.

To us there is "the handwriting on the wall," and its interpretation spells doom. For this the liquor business is to blame; it seems incapable of learning any lesson of advancement or any motive but profit.

To perpetuate itself it has formed alliance with the slums that repel all conscientious and patriotic citizens. It deliberately aids the most corrupt political powers, and backs with all of its resources the most unworthy men; the most corrupt and recreant officials. It does not aid the purification of municipal, state or national administration."

Would Abolish Lawyers

It is entirely legitimate to take a whack at lawyers. They deserve a good deal of criticism but the following letter seems to be drawing it pretty strong:

Editor The Mail and Breeze—Instead of raking up that old question, "Dam the draws," why not damn something that needs it instead? Lawyers for instance. They need it more than anything else in the world. Does any man know the amount of money that is poured into the coffers of these said lawyers? And for what? Absolutely nothing for any honest man. No one but a crook gets any benefit out of lawyers. And yet the mills are grinding overtime turning out more lawyers.

If we must have lawyers let them be restricted both as to numbers and the salary they are paid. Let there be not more than one lawyer allowed to each court. Let his salary be not to exceed \$1 a day and board and washing. Let his duty be to sweep out, make the fires, keep the cuspidors in order; help the sheriff feed and water the jury and do any other necessary chores. In my opinion a lawyer is just as useful to society as a cradle is to a suffragette. So I say damn the lawyers and damn them good and hard. Yours for a lawyerless country.

Wallace, Kan.

I suppose Mr. Gill would be willing to kill the lawyers off gradually, not all at one fell swoop. Mr. Gill must remember however, that with all the faults that can be charged up to courts and lawyers, this is and must be a country governed by law and the study and practice of law as a profession is legitimate.

The greatest patriots of our history and who have fashioned the structure of liberty have been lawyers. It was Patrick Henry and James Otis and the Adamses, all lawyers who did more than any others perhaps, to stir up the colonists to resist British oppression.

Of the men who have occupied the presidential chair most of them have been lawyers. Washington was not, but John Adams, who succeeded him and after him Thomas Jefferson and after him Madison, and after him Monroe, and after him John Quincy Adams and after him Old Hickory Jackson were all lawyers. Van Buren was a lawyer, though more of a poli-

tician than a lawyer. The elder Harrison was not a lawyer, John Tyler was, so were Fillmore, Pierce, Buchanan, and Lincoln and Johnson and Hayes and Garfield and Cleveland and Ben Harrison and McKinley and Taft. Wilson was educated for the law and practiced the profession until he was drawn into the work of education.

Truthful James

"There is such a thing," said Truthful, "as gittin' too blamed greedy for your own good. For example, take the case of Ezra Waddles. Ezra was one of those men that always was grabbing for every nickel in sight and there wa'n't many of them that got away after Ezra had really fixed his optic on 'em.

"He raised chickens among other things, and got hold of a breed of extra good layers. They were the most ambitious hens I ever saw—never wanted to be outdone. For instance, Ezra started in by putting duck eggs in their nests. Well, every one of them hens laid eggs big enough to match them duck eggs. Then Ezra got more greedy and laid a lot of geese eggs in the nests. The hens matched 'em but it was an awful strain and the hens looked worried. Ezra sold these hen eggs at five dollars a dozen.

"Then he got a lot of china eggs about the size of grape fruit and put them in the nests. That was where he overdid the business. The hens came to their nests, looked in and then backed off. Three of 'em fainted. The rest was mad all the way through. They ruffled up their feathers and made noises like a hen does when she is riled, and then the whole flock walked off and never laid an egg. Before they left one of the most intelligent hens in the flock commenced scratchin' in the dirt in front of the hen house door and wrote these words: 'If you take us for a lot of durned ostriches you have another think coming.'

"And for the rest of the summer them hens never laid another egg."

"But that wasn't the only mean trick that Ezra played on his hens," continued Truthful. "You know a hen likes to lay just at daylight and then go out and blow about it. One summer Ezra hit on a scheme to increase his egg output. He fixed an electric light so he could turn it on bright and full in the hen house. In fact he arranged a sort of clock that would turn on the light once every hour.

"The hens went to roost as usual and in about an hour that light was turned on. The hens seemed to be surprised at the short night, but they decided it was daylight and went to their nests and laid an egg apiece. Then they cackled round a spell and went back to roost. In an hour the light was turned on again and the sleepy hens each got up and laid another egg. This went on all night and the hens laid eight eggs apiece before morning. They had cackled so much they were all so hoarse in the morning that some of them croaked like bull frogs and others couldn't cackle above a whisper. And they was weak, plumb wore out. It had been the worst night of their lives, but Ezra was tickled nearly to death over the success of his experiment. The next night he tried it again. The poor hens did their best but they were about played out. They had laid all the full grown eggs they had in stock the night before and when Ezra went out the second morning he found every hen speechless, with her neck swelled and sore on account of trying to cackle every hour of the night.

"But the biggest disappointment to Ezra was the output of eggs. The biggest ones in the nests were about the size of quail eggs and they ranged down from that to the size of a hummingbird egg. I tell you there is such a thing as being too blamed greedy."

Farmers' Interests Vital

It is rare for farmers to have special representatives in the different lawmaking bodies to protect and promote their interests, and yet this is just what Kansas should have. One good way to bring this about is to organize, cut away from the two-by-four politicians and nominate and elect good clean men to legislative bodies who will represent their interests and stand for their rights; then give them all the support and encouragement possible. It is impossible for farmers as individuals intelligently to attempt to correct the many abuses which are prevalent and obtain just laws and practices. They must organize to present their grievances and demands in an effective way. Proper recognition and consideration cannot be obtained if they go about it single handed.

Farmers may complain until they burst, and will have help or sympathy from no one. But united and in action, they become invincible. If farmers wish to put the grafting politicians, grasping financiers and exploiting trusts out of business they can do it. They can do what they will for their own and their country's good.

Arthur Capper

Fence Making Ways and Means

A Chapter of Ideas and Suggestions Based on the Experiences of Readers

WHILE living in the North we always put in a lot of hard work tamping the earth around the posts in setting a fence. On coming here I found a better plan in use. Holes are dug, the posts put in and then the wires are stretched and stapled on while the posts are simply standing loosely in the holes. I first thought this was a lazy man's job but now I would not have a fence set any other way. The rain will wash the earth in around the posts and usually, in a year's time, the hole will be filled up.

The corner post is the important part about a good fence. If it is well set and anchored it will give very little. But a little slack will always develop and here is where the advantage of the loose posts comes in. When there is a loosening of the wire this slack will be distributed all along the line. Should an animal crawl through or try to jump over and get tangled up, it will loosen the fence all along. If posts are set firm the wire will be slack at that one point and tight elsewhere. Should the wire on loose posts need tightening at any time, you can go to the corner and pull up the wires without loosening them from the posts. You can tighten the wires nearly as well as if they were entirely free.

H. P. Fisher. Provident City, Tex.

To Roll Up or Unroll Wire.

With this device one man can roll or unroll barbed wire as fast as a team can walk, and do good work. The wheels are from an old cultivator and the axle is a piece of gas pipe to which the shafts are fastened on the outside. The reel is made of 1 by 4-inch boards 5 feet long. These are set between the spokes as shown and wired on firmly. In making use of this reel simply fasten the shafts to the back of a wagon and drive on. You can roll or unroll wire with equal ease.



Moundridge, Kan. J. R. Cole.

Keeping a Wire Fence Tight.

A wire fence will become slack after it has been put up some time, no matter how well the corner is braced. It may be kept tight, however, by the use of two long bolts with threads cut long. Put the bolts through the corner post and through a shorter post to which the wire is fastened. As the wire becomes slack take a wrench and screw up the taps on bolts. Nos. 1, 1 in the illustration are the bolts, No. 2 corner post, 3 brace post, 4 brace, 5 brace wire, 6 short post to which wire is attached.

Morland, Kan. A. E. Coop.

Stretcher Made at Home.

I find this device to be a very handy fence making tool. It is a piece of fork handle four feet long and a claw made of a piece of buggy spring as that is good steel. The claw is fastened to the stick with an eye bolt. A small collar of strap iron would also do well and would not weaken the stick. This tool makes a very handy wire stretcher.

R. 1, Manchester, Okla. J. C. Claflin.

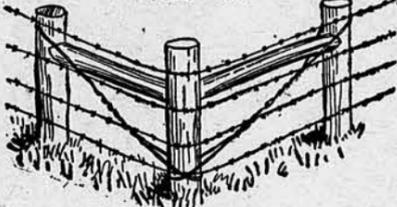
Two Knacks in Fence Making.

The best and quickest way of making the corner fence post solid is to select a good sized post and set it 18 to 20 inches in the ground. About 4 feet down the fence line on either side set another post. Make a niche in the posts about 6 inches

from the top. Saw a piece of post about 4 feet long, bevel it a little at the ends with an ax, and drop it into the niches so it will lie horizontally between the two posts. Then take a piece of wire about 16 feet long, and staple the middle of this wire to the corner post near the ground, on the opposite side from the second post. Bring the two ends around and wrap them about the top of the second post. Then take a stick and twist the two wires together, and your corner post will stay.

I find the so-called "dead man" a very

Sketch A



Good for Many Years.

handy scheme for keeping wires down in low places. When stretching the wire one must allow for these places and not get the wire too tight. Cut a piece of wire 6 or 7 feet long, and wrap one end around a chunk of wood and bury 18 or 20 inches deep directly under the fence

SKETCH B



No Fence Creeping Here.

in the lowest place, leaving the wire sticking out of the ground. After the fence wires have been stretched they can be stapled to the posts, then drawn down and the wire of the "dead man" wrapped around them, one at a time.

Hillside, Neb. W. J. Tillinghast.

"Straight Pull" Corner Post.

I have tried many different kinds of braces for corner posts, but have never found a better one than this. The worst trouble about the common brace is its tender pull the post out of the ground. The whole pull on my corner post comes at the bottom of the post. The brace is a 4 by 4 about 10 feet long, placed in a notch in the top of the post, and the other end rests on a flat stone. A wire is then drawn around the post and outer end of brace as closely as possible to the ground.

Canton, Kan. J. H. Klinkerman.

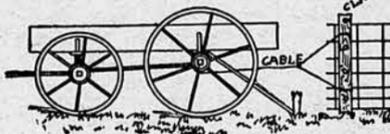
Sag-Proof Swinging Gate.

The Mail and Breeze is indebted to G. E. Thompson of the Kansas Agricultural college for this suggestion. It is the plan of a serviceable, home made gate that will not sag. The main upright at the rear rests on a large rock or cement block with a cavity hollowed out of the top. A loop over the post holds the upper end. Such a gate does not tend to pull the fence down as the weight rests on the ground.

Stretching Woven Wire Fence.

I find this method more satisfactory than doing the work with any stretchers I have ever seen, however expensive. A cable attaches wire to wheel, and a clamp on posts holds wire in place. Tighten wire by turning wheel backward. When

sufficiently tight brace wheel with a stake to hold it in position till wire is stapled. For clamps I use 2 by 6 bolted



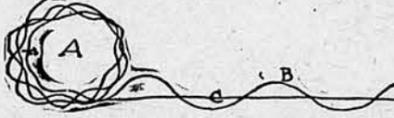
The Wagon Wheel Method.

together. For cables one can use 3 or 4 strands of wire. The same method may be used for stretching single wire.

W. S. Adams. Thomas county, Nebraska.

But Use Leather Gloves.

It is not such a difficult task to roll up wire even without the use of a reel or other device. Lay the wire out away from the posts and fasten up one end. Begin at the other end by making a loop about 3 feet in diameter. Then roll this loop (A) back and forth across the wire

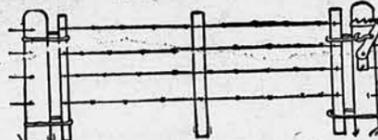


(C) as indicated by the path (B). Keep the wire tight and the roll will not fall apart. When through fasten the loose end, lay the roll down, step inside, and it may be carried away handily.

Athol, Kan. Ed Lind.

Handy Kink for Wire Gates.

This sketch shows the plan of making a wire gate that will be found very effective and generally satisfactory. The lever is the best feature about it as it does away with the pulling and tugging necessary to draw a wire gate up tight when closing it. The lever and latch



The lever does the work.

casting were taken from an old mower. A discarded wagon brake would answer the same purpose.

R. 1, Hesston, Kan. H. W. Prouty.

Yank 'Em Out This Way.

In removing a line of fence you will find this contrivance will make play out of post pulling. There is no sense in tugging at the posts by main strength and awkwardness so long as there is a team and heavy chain on the place. Simply loop the chain about the post at the bottom, pass it over a crooked pole about the height of the post, and hook the team to the other end of the chain. Say "giddap" and out comes Mr. Post.

Hutchinson, Kan. W. J. E.

A Corner Post Set in Concrete.

To make a corner or end post secure, set the corner post in concrete. Dig a hole about 10 by 18 by 8 inches for the lower end of brace. Fill it with concrete and put the brace in the concrete before it sets. Put a No. 9 smooth wire around post and brace 8 or 10 inches below the point where the brace strikes the post, and twist tight. The brace will not need any nailing. Let the concrete dry for several days and it will be secure.

North Loup, Neb. T. E. Barnhart.

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Flowers for the Country Home

Beauty Depends Not so Much on the Money Spent as on Plans Well Made



UNLIMITED means is not necessary for those who are determined to help nature adorn their home surroundings. One fall I procured a few dozen mixed tulip bulbs and planted in an oblong bed. The soil in the bed had been loosened a spade and a half deep, and all poor soil carted away. This was replaced with rich earth scraped from the surface of chicken yard mixed liberally with old, fine, well-rotted cow manure. After the tulips were planted I outlined the bed with a border of white narcissus, which comes into bloom much later than the tulips. Later, as the tulips increased in number, I transplanted them into a rather large square bed which was outlined with a double row of daffodils planted four inches apart. By the end of March the daffodils burst into bloom each year in a beautiful golden flame. Tulips, narcissus and daffodils must be planted in the fall, after frost but before the ground begins to freeze.

When one has such bulbs well planted they are "a thing of beauty and a joy forever"—almost, only needing to have the weeds kept out and the ground stirred on the surface early in the spring, and in the fall covered again with manure. After a few years when the bulbs begin to crowd in the beds take them up and divide them—with your neighbor if you have not room to plant them all.

Dahlias, too, are prime favorites with us, for the wealth of flowers they give. I wish everyone knew how easy it is to get a fine lot of these beautiful flowers from the seed. From one packet of Cactus dahlia seed I secured twenty-two plants which bloomed all through the late summer and fall, and gave me a fine lot of tubers for this year's planting. I paid five cents for the package and did not plant them until the tenth of May, when our early tomato plants had been transplanted into the garden, giving room for flower seeds in the cold frames.

A package of double portulaca will give hundreds of plants and make a most admirable border plant, blooming all summer and until killed by frost. Sweet alyssum is another lovely border plant to outline flower beds. Our walk leading from the back porch to the chicken yard is lined along one side with flowering shrubs—three or four varieties of spirea, Persian lilac, and three varieties of weigelia. The Eva Rathke weigelia is the finest I have yet seen. It is darkest crimson, and flowers are of fuchsia form; and though it appears loaded to the ground with bloom only early in the summer, it blooms at intervals throughout the season. The deutzias, too, are very beautiful and easily grown. As they are not of such robust growth as some other shrubs they are admirable for a bedding plant. There are also many monthly roses, hardy in the most of the middle and western states.

M. A. Catterson.

Cheswold, Del.

Center of Lawn Should Be Open.

[Prize Letter.]

Hardy plants are good for the woman whose time and strength are limited, as they last for an indefinite time and their blossoms are more showy than annuals. By careful selection they can be made to cover the greater part of the season. Annuals call for bed making, seed sowing and weed pulling every

year, while hardy plants need only to have the grass and weeds pulled away and an application of good fertilizer each spring.

I would have a border of plants at both sides of the boundary line, beginning with low-growing plants at the road with larger ones at the rear. Reserve space between house and road for a lawn, which should be kept clear of flowers. To prepare the ground for the border spade up the soil 1½ feet deep and work in cow manure or bone meal, 1 pound of the meal to a square yard of earth. Have this border strip 8 feet wide, letting it curve irregularly along the edge joining the lawn. In the widest parts of it plant shrubbery.

Plow the lawn and grade up from every side to the house, work until it makes a perfect seedbed and sow grass seed. Keep the center of lawn clear unless it is for a tree. At the outer edges of lawn plant lilac, snowball, hydrangea, or some other shrub that requires little care yet lives year after year. Near the house put peonies, iris, cosmos, spirea, cannas, gladioli, or dahlias. Against the house plant lily of the valley, nasturtiums, or ferns. Put hollyhocks at a back corner. At the back porch plant a flowering bean, a cucumber, or honeysuckle. Cover fences and all unsightly places with vines. Cypress will cover the whole woodshed or the side of the house in a summer. Raise golden glow, wild lilies, and castor beans in the back yard. A bed of pansies or geraniums is nice, or a bed of petunias, tulips or daffodils. Tulips and candytuft together make a fine bed.

Mrs. George P. Ernenwein.

R. 1, Verona Station, N. Y.

The Children's Flower Garden.

[Prize Letter.]

We live in the country and our chickens are allowed to roam at will, so all attempts at growing flowers were useless until last year, when we gave the children a fenced-in plot 20 by 30 feet in size. The ground was plowed before the fence was put up, then worked well, and a small arbor made out of wagon bows. Then it was turned over to the children for a garden of their "very own."

They took great pride in their work, and before the summer was half gone they were fully rewarded for their work. With cypress covering the low wire fence and the arbor it was an object of beauty. Hardy flowers such as zinnias and four o'clocks grew along the fence, and in the center was a solid bed of flowering moss.

This year they are planning to grow other plants new to them, as the seeds they gathered will be planted in the "family garden." They have carefully planted sweet peas on the west side, and when these are through blooming they plan to have young cypress plants to put in. The arbor will be covered with a morning glory vine. Gladiolus bulbs

form a row near the fence, and petunias and pansies they plan to form the center bed.

The children join me in wishing all other children who read this will be given a similar garden.

Mrs. Loyd Royse.

R. 2, Elk City, Okla.

Flowers the Renter May Plant.

[Prize Letter.]

I want to get this down to a personal matter. First I shall suppose I am a renter and had to move March 1. Of course I could not start anything till after that. But as soon as I am settled in the new home I shall find a place for sweet peas. They ought to be planted earlier, but I shall repay them with extra care because I had to neglect them in the early part of the year. I hope there are a few rose and lilac bushes, spirea, and flowering almonds; if so I shall prune them and enrich the soil around them. I shall be busy and cannot have all the flowers I want, but I shall have portulaca, balsam, phlox, four o'clock, and asters. As bulbs are expensive I shall only indulge in a few dahlias and gladioli—oh, yes! and verbenas! A fine bed of them can be had from a packet of seed started in March in the house. It may be I shall need vines to cover a broken or patched fence, or other unsightliness; then I shall use tall nasturtiums or morning glories.

But if I own a home and do not have to move I shall have a bed of fall-planted bulbs. I hear someone say, "But they cost money." Let me tell you what I did. I sent a dollar to a florist in New York and told him to send me as many bulbs as possible, of kinds that could be planted out of doors. He sent them by express. He sent a large quantity of tulips, hyacinths, jonquils, narcissus, snowdrops; bluebells, and many others. By his catalog they would have cost me about \$5, but he sent them late and sent only the varieties he had left on his hands. I have a bluegrass lawn on one side of which are a great many flowering shrubs and great groups of peonies. On the other side is a row of rose bushes which forms a hedge between the lawn and garden. I am trying to start pinks, pansies, wild columbines, sweet william, and other flowers that live year after year. Each year I try a few new varieties. By having something new in the garden it is like a new story or a new picture each day.

Mrs. Thomas Hunt.

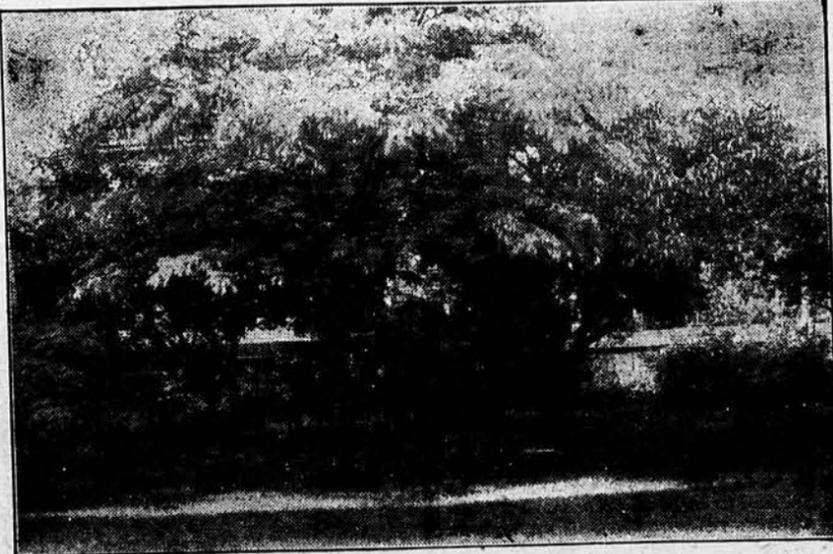
R. 1, Blue Rapids, Kan.

How to Grow Chrysanthemums.

[Prize Letter.]

Last year being very dry flowers of all kinds had a hard time in Kansas, but I managed to grow about a dozen 'mums in buckets. Those grown in the yard didn't do very well. They began blooming the last week in October and con-

(Continued on Page 34.)



A few trees, some grass and a lawn swing made this delightful summer retreat



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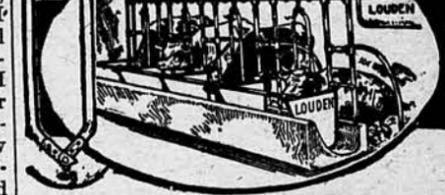
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Deep Plowing—Does It Pay?

It All Depends on the Crop to Be Grown, the Condition of the Soil, and Amount of Rainfall, Say These Readers

IN THIS part of Kansas we raise wheat three years, then corn one year. That makes two plowings in succession. The corn stubble is plowed 5 inches and the wheat stubble deeper, for corn does better on a deep soil. Strangers are badly mistaken when they accuse us of plowing shallow. Our soil is so loose and full of lime that we can't possibly plow shallower than 5 inches with a mouldboard plow and make the soil turn over. There is no such thing as 3-inch plowing unless done with a disk harrow.

Edward Lind.
Athol, Kan.



A deep, wide furrow and the proof offered.

I have observed that the success of deep plowing depends on the nature of the soil and the rainfall. My first observations were made in Davis and Grundy counties in Missouri and in Mill and Fremont counties in Iowa in the '70's. There deep plowing, followed up year after year, produced the best crops of corn and oats, provided the oats were cultivated or harrowed into the corn stalk fields.

The soils of these counties in both states are more or less clayey with some hardpan and black muck. When we lived in the south Platte country of Nebraska, the country was new and spring wheat, oats and barley were the main crops. These crops did the best on ground plowed 4 to 5 inches deep in the early fall, but from 1878 to 1885 corn and fall wheat began to be the general crops and these crops did best on deeper plowing, except in a dry season.

In 1885 we settled in Thomas county, Kansas. The old settlers and cattlemen told us to plow as shallow as possible in order to get good crops, but we thought we knew better than that, because of our experiences in Missouri, Iowa and Nebraska, so we plowed deep and to our own detriment. But finally in 1891 we had abnormal rainfall and our deep plowed land gave us as good a yield of wheat as the shallower plowed land gave our neighbors.

In 1896 we moved to Jewell county and found that we have nearly all kinds of soils here with more or less clay or gumbo in the central part and a larger per cent of sand in the north and south parts of the county. The gumbo or clay soils as a rule raise the best crops of corn or wheat and alfalfa from land plowed 6 to 8 inches deep, except in those seasons like the last one when the rainfall, though normal, was entirely outside of the crop season.

Generally speaking, where the average soil is of the heavier type and the average rainfall is 25 inches or more, plowing to the depth of 7 or 8 inches is beneficial.

Geo. W. Dart.
Montrose, Kan.

Deep, Fall Plowing Preferable.

Next to having good seed, a properly prepared seedbed is of most importance in planting a crop. Deep fall plowing is the foundation for an ideal seedbed for spring planting. If the ground is plowed in the fall or early winter, the soil has a chance to freeze out and is thus better prepared for more perfect pulverization in the spring.

Fall plowing has the advantage for several other reasons: It provides a good reservoir for storing the moisture that falls during the winter. All the weeds, stalks, and grass are turned under and as a result a better furrow is turned with less labor to man and teams and the organic matter has more time to decompose for nourishing the succeeding crop. Then fall plowing seems to be the only means we have to fight and destroy

the corn ear worm and many chinch bugs are buried. Also the weed seeds are given a chance to germinate and can be destroyed by harrowing or disking before planting the crop.

In fall plowing it is well to keep the surface rough so it will hold the snow better and keep the strong winds in the spring from blowing the soil. However, soil that is apt to blow much should not be plowed in the fall.

For corn or small grain to be planted in the spring on fall plowing, I should lap-disk the ground once or twice, depending on the condition of the soil and how bad the weeds are. It should be cross-

harrowed at each disking. A compact seedbed is very essential for grass seed, especially alfalfa, and the soil should not be loosened up more than 2 or 2½ inches deep. It has been my experience that alfalfa, more than any other crop, will not do well on a loose, unprepared and unsettled seedbed.

I prefer listing to any other method in planting corn for three reasons: First, the corn roots get started down deep and the hard winds do not blow it down so badly; second, the corn keeps green and growing when top-planted corn has dried up. I have seen listed corn make 20 bushels to the acre when top-planted corn was a total failure; third, the listed corn can be kept clean of weeds more easily than the top-planted corn.

R. 1, Alma, Kan.

W. Hensel.

How the Kafir Responded.

I have done several jobs of 8-inch plowing and think it pays. There are four reasons for deep plowing: First, to get a deep seedbed; second, to take in and hold more water; third, to put weed seeds down where they can't bother; fourth, to put manure down where it will not bother in surface cultivation.

In 1910 we plowed 35 acres 8 inches deep and drilled it to kafir for hay. The drouth struck it and the chinch bugs worked on it but it grew right along in spite of both. We cut it twice and had 55 tons of fine hay when nearly everyone else got nothing. In 1911 I rented out all of an 80-acre farm except 15 acres. Not being able to find a renter for the 15 acres, I plowed it up and turned under a heavy coat of weeds 6 inches deep and drilled it to kafir for hay. In spite of an unusually dry summer, it made 31 loads of good feed.

In 1912 we plowed 40 acres 8 inches deep and planted it to corn. On May 25 we had a 5-inch rain which completely covered up the corn so we double-disked the ground and planted it to kafir for filling silos. The kafir grew well in spite of the dry weather and by the time we were ready to plow it after harvest, it was waist high. Twenty-eight acres of it filled two 16-by-36 silos and while it was too thick for a high yield of grain, the rest of the field averaged 38½ bushels.

In 1913 we plowed 75 acres 8 inches deep to again plant kafir for silage. We had so much manure to haul that we got most of the plowing done after the last good spring rain May 4. After the plowing was done there wasn't enough rain at any one time to plant the kafir so on July 25 and 26 we drilled 35 acres of this ground to cowpeas and on August 4 planted the rest of the land to cowpeas in rows, with a corn planter. We had .33 of an inch of rain on July 23, .6 of an inch on July 24, .3 of an inch on July 26, .83 of an inch on July 27, .6 of an inch on July 28 and .16 of an

inch on August 16. Then we were without any rain until September 16, but the cowpeas grew right along and although the yield was not heavy, it was astonishing to see how large it was.

Plow deeper to get a deeper reservoir to store moisture. But while you are plowing deep, don't forget to turn under something to make humus, such as manure, straw, weeds or something green. This not only enriches the ground but puts it in a condition to retain more moisture and keeps it from running together with the first big rain. It also makes it plow easier the next time. Don't plow too much deeper all at once as too much of the deeper soil on top will cut the yield down until it has

weathered. Too much of this deep soil on top has been known to cause a failure for a year or two.

I am satisfied that in 1913, which was the first year Kansas failed on kafir, if I had had the 75 acres plowed in time to have stored that 1.35 inches of rain we got on May 4 and 5, we could have produced a fair crop of kafir. Deep plowing should be done in the fall, as far as possible, as that will give the vegetable matter plowed under, time to rot and also give the ground a chance to store such moisture as may come during the winter and early spring.

Anson, Kan.

Wm. L. Meuser.

Concrete floors in the barn help a great deal in saving manure.



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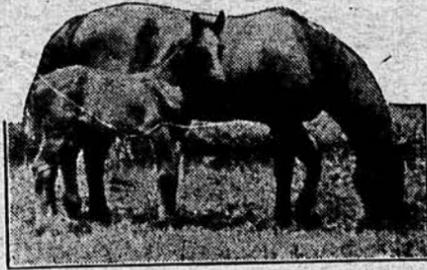
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Better Horses For Kansas

Whether for Sale or Farm Work, the Purebred Is the Best Bet

BY DR. C. W. McCAMPBELL
Secretary Livestock Registry Board

EVERY year sees the margin of value between high class horses and ordinary, common animals growing wider. The demand and value of high class horses on the farm and in the city is constantly increasing, while the demand and value of ordinary or common horses is gradually decreasing. Why not raise the kind that is needed on the farm and in the city? More than 2 million dollars are annually spent in Kansas for service fees. This is an enormous investment and yet one that is very carelessly made and one from which proper return is not received. As the breeding season is now at hand, some of the fundamentals that insure the greatest profit in raising horses should be given careful and thoughtful consideration.



the limitations of the law, or the conditions under which it finds its widest application. It is because of this law that the grade or scrub stallion should never be used as a sire, for like begets like, only in proportion to the purity of the breeding of the individuals in question, and secondly, in proportion to the duration of the period during which a particular breed has been bred pure.

It is the intensified inheritance of the purebred which triumphs over the diversified inheritance of the grade or scrub and thus enables us to grade up our stock. Similarly it is the diversified inheritance of the grade which precludes his success as a sire, even though he apparently possesses the characters of a purebred. Mare owners must demand a better class of sires.

The first consideration in improving the general average of our horses is the necessity of having a definite and correct ideal in mind, and continuing our breeding operations generation after generation with this ideal as our guide. Next to the indiscriminate use of inferior sires, the most potent factor in keeping the general average of our horses at the present low level is the frequent and ruinous practice of mixing types and breeds. How common it is to see men breeding one year or one generation to a Percheron or Clydesdale, perhaps the next year or next generation to a standard bred and perhaps following this by breeding to a Coach stallion or scrub.

What is the result? Simply a lot of misfits which cannot serve well in any particular capacity and for which there is no particular demand. If it is desired to sell one of these misfits, it must be sold at a misfit price. We should, by all means, stick to one type, patronizing only the very best sires of the type selected, and if possible stick to one breed in the work of grading up the quality of our horses.

The next step is a more careful and thoughtful selection of sires, for no marked or permanent improvement can be made in our horses except by the use of good, sound, purebred sires. At present about 60 per cent of the stallions standing for public service in this state are grades, mongrels and scrubs, the use of which can only lower the average quality of our horses. Sometimes we are prone to criticize the stallion owner for standing grade stallions, but he is in the business for the money there is in it. If the mare owner is content to patronize the grade or scrub sire, and thus enable the stallion owner to do \$400 worth of business during a season on a \$300 investment, as is often the case, why should he invest \$1,000 to \$2,000 in a good, sound, purebred stallion to secure the same amount of business? The stallion owner is generally willing to keep for service just as good a class of stallions as the mare owners demand.

I am often asked the question: "Why not breed to the grade stallion if he is a good looking individual?" Oftentimes this same questioner, to prove that he is right in using this kind of a sire, will quote the oft repeated and more often misinterpreted law, that "like begets like", either forgetting or not knowing

After we have decided upon a fixed and correct policy in our breeding operations we must not forget that feeding is half the battle. It must be remembered that the average colt makes considerably more than half his growth during the first 12 months of his life, and the colt that is stunted the first winter will never fully recover. The colt must be fed liberally the first 18 months of his life.

Who is to blame for the present class of Kansas horses? The greater portion of the blame can be placed upon the shoulders of the mare owners, because of their lack of interest in these matters and the lack of appreciation of the value of the good, sound, purebred sire, and the shortsighted policy of trying to save a few dollars in service fees by patronizing the grade or scrub stallion. The difference of from \$5 to \$10 in the service fee of the scrub and the purebred stallion will mean a difference of probably \$100 or more in the value of the offspring from the grade sire and the purebred sire at maturity. Besides this there will be a ready demand for the good colt from the purebred sire on the farm and in the city, while the colt from the average grade or scrub sire—the misfit—is a failure as a work horse and must sell at a sacrifice.

While most of the blame for our present class of Kansas horses can be put upon the mare owner, but not all, for many mare owners have been grossly deceived concerning the stallions they patronize. Until the stallion law went into effect hundreds of grade horses had stood for public service and had been advertised as purebred horses. Sometimes this deception was intentional and sometimes not, the stallion

(Continued on Page 13.)



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Loans and a Boom in Credit

Cheap Money Wouldn't Induce Speculation, Says H. L. Ferris—
Readers Discuss the Barnes Law and Other Subjects

I AM surprised at the attitude taken by the writer of Farm Doings in the Mail and Breeze, in regard to farm loans. While he writes well on farm topics, he gets his wires crossed when it comes to legislation. While there is little danger that the banking monopoly will ever permit the government to make direct loans to any class at any rate of interest, it is a good subject for debate.

Mr. Hatch says, "Cheap loans to farmers would introduce an orgy of speculation." The reverse is true, scarce and dear money makes speculation possible. Where money is cheap and plenty, and credit is possible, very few sell at a sacrifice. He says further the average farmer is not capable of handling 3 per cent money, that he would waste it. Ask the individual farmer if he would like to exchange his 8 and 10 per cent for 3 per cent loans, and if he thinks he could not pay the 3 per cent loans easier.

The proposition is not class legislation, it is a subsidy to agriculture. Agriculture is more important than all other interests combined. All other interests are nourished by it. Without a crop of the raw material the manufacturer's wheels hang motionless on their axles, the distributor's car stands empty on the sidetracks, and the trader and his helpers are out of a job. How is a subsidy for agriculture "class legislation." Farming offers a "free pitch-in for everybody." Would not cheaper money offer an inducement for more people to engage in farming, and hold more men of intelligence on the farm? This would increase the raw material, and thus reduce the cost of living. Cheap loans to the manufacturing class would increase their output, now already overdone.

Where new money is issued by the government and lent directly to the people, the interest is paid to the government, which is all the people, the circuit is complete and no harm is done. But as it is now, someone is paying interest on nearly all the money that is back with a little more money added to it.

It is not true that 3 per cent loans increase credits. Hundreds of thousands of farmers have resolved that they could get out of debt they would borrow another dollar, even at 1 per cent.

H. L. Ferris.
Osage City, Kan.

Repeal the Barnes School Law.

Mr. Editor—The Barnes High school law is unjust to rural school patrons and should be repealed. It is causing all the schools to be centralized in the towns; it is drawing much needed taxes from the country to support city schools; the boys and girls are being taken out of the country schools and are drifting to the cities and, when once started in that direction, they soon lose interest in the farm, fall into the habits of the town boys and in many instances become loafers, cigarette fiends and worthless bums.

If the Barnes High school law were repealed and more done for the country school, the boys and girls would be left in the country where they rightfully belong. But as long as all the energy is put forth to build up the city school at the expense of the country, so long will Kansas retrograde rather than make progress in the cause of education. Today the high schools are being filled with pupils incompetent to do high school work, because the grades are being neglected. They are admitted to the high school, without a foundation; they have not learned the fundamental principles of education and the result is, they flounder and struggle along through the high school, often more on their football and baseball record than the knowledge of the texts they study, and when they have finished they have learned nothing thoroughly. They are not fit for any vocation in life and many become mere loafers, or professional bums.

Now I believe the only way to bring the schools of the "Sunflower" state to first rank is to petition the next legis-

lature to repeal the Barnes law and let this tax be used by the districts that have it to pay; consolidate two or more weak districts and make one strong one, and hire thorough and competent teachers who can inspire and encourage their pupils to make an effort for education that will make them useful men and women.

R. H. Smith.
Little River, Kan.

Dangers of Evil Company.

Mr. Editor—To cleanse our state and nation of the terrible blighting curse called the social evil, is the first and most important thing for the voters, both men and women, to undertake. Something can be done with laws to protect our boys and girls; but much more can be accomplished by an educational campaign among fathers and mothers. Some parents are unfit to be parents; they are not right-minded and pure themselves. Their children, because of the bad example and early acquired knowledge of evil, cannot be anything but evil, and evil company, for the carefully guarded and trained children from homes of pure and wholesome atmosphere.

There are too many parents who are careless and neglectful of the moral welfare of the children God has committed to their care. They permit them too much freedom in the selection of playmates and playgrounds. Children should not be permitted to play upon the streets nor in the alleys in small towns or villages. To let children from several families play together in the back lots and alleys all summer, during vacation, evenings and Saturdays, as long as the weather permits, is to court danger. Children should have a place to play in the home dooryard and should not be allowed to stray away. If playmates are with them be sure first that they come from a pure, Christian home, then keep a watchful eye upon them to assure yourself that evil outside influences have not corrupted them. Much of the white slave evil which is so stirring indignation at this time comes from not taking care of the little children.

When they go to school see that they do not loiter about the school buildings when school closes, nor upon the streets on the way home, and do not let them go in the mornings until the teachers are there. Above all things do not let them go to the postoffice to wait while the mail is being distributed.

Parental care will do more to save our boys and girls from the destroyer than the law can ever do, and the saving of girls and boys who have learned vice in early childhood is a very difficult matter. It is a case where a little prevention is more effectual than any quantity of cure.

Mrs. Josephine J. Kiouss.
Meriden, Kan.

If They'd Really Help Farmers.

Mr. Editor—I see a lot in the papers about how the government and our politicians want to help the farmer, but I doubt if they mean it. If they really did want to help the farmer they would cut out some of the useless offices, such as county assessor and a few more. The county commissioners did this work with the help of the township assessors before our new tax law went into effect and our taxes were much less than now. They told us a few years ago, when they wanted to change the tax law so as to assess property at its full value, that they would get a lot more property in this way on which no taxes had been paid and it would make our taxes much less. And so it would if they had not created more offices and raised the salaries of some of the other officers to more than offset the difference. Farmers in this part of the state are paying double the taxes they did seven years ago. There is something wrong somewhere. To really help the farmer, make a reasonable reduction in his taxes and give him a fair profit on what he raises and he will help himself.

There is a millers' combine in Kansas, or in this part of it at least. The millers met just before the new wheat came on the market and made the price. They have bought this crop from 15 to

20 cents a bushel cheaper than they did last year's crop. But they have held the price of flour just as high as it was last year. Who is making the profit?

A few weeks ago, as I was going home to Wichita (my family lives there during the school year) I carried in 20 dozen fresh eggs. My wife took part of them over to the store and they paid her 35 cents a dozen in trade and sold some of them for 40 cents a dozen while she was still in the store. This store does a cash business and does not have any delivery wagon. The owners are now running six stores in Wichita. Who is making the big end of the profit there? Remedy: Let farmers form a sales agency in all large towns so they can handle their surplus to better advantage.

M. H. Osborne.
Danville, Kan.

Feeling the Underwood Tariff.

Mr. Editor—The Underwood tariff bill is going to ruin the farmers. I am a widow and depend on my cows and chickens for my living. Cream has gone off, and you know why. Eggs are going to be cheap, and you know the reason. Maybe this is good for the city people. Wages are high and I can't afford help; people are selling off their stock and going to town, but we poor farmers have to stick to the farm and help keep the people who are too lazy to work for reasonable wages and live where they can raise most of their living.

Mrs. Cora D. Johnson.
R. 7, Fort Scott, Kan.

Man Should Count More Than Party.

Mr. Editor—I have been reading your paper and like Mr. Capper's straightforwardness and the principles for which he is standing, very much. I have always admired Senator Bristow and have always thought that there was something awfully crooked that Capper was not declared governor of Kansas last year. It is the character of the men that counts with me and not the party. I believe when each individual voter realizes his duty, the governing power will begin to do something that will be highly commended by the great majority of the common people.

Rock, Kan. E. A. Harcourt.

One Who Cannot.

Mr. Editor—I like the Farmers Mail and Breeze fine. If I lived in Kansas I would surely vote for Capper for governor.

John J. Sifer.
Maysville, Mo.

Capper Sentiments O. K.

Mr. Editor—I consider the Farmers Mail and Breeze the best paper I have ever read. I am your friend and heartily indorse Mr. Capper's political sentiments and all he publicly advocates.

Harlow, Kan. O. H. Grims.

Every Farmer Should Have One Dog.

Mr. Editor—I shall have to disagree with Mr. Dwight about the taxation of dogs. I do not think dogs ought to be taxed \$5 instead of \$1. Every farmer should be allowed to have one dog without paying a dog tax. As it is we have to pay as much of a tax for a dog as we do on an ordinary horse. I should like to ask Mr. Dwight who is more able to feed a dog than a farmer. A dog on a farm to warn the housewife of approaching strangers, is a mighty good thing. Give the dog his just dues.

B. H. Arganbright.

Waterville, Kan.

Will Elect Him Again.

Mr. Editor—Out here in Stafford county we are expecting again to elect Mr. Capper governor and hope to have an honest count next time.

St. John, Kan. G. W. Leitner.

Father and All the Boys.

Mr. Editor—Just received notice that my subscription to the Mail and Breeze had expired, and I don't want to miss getting it. We all like it fine. We want Mr. Capper to come out for governor again. I have three boys and they will all support him.

Vermillion, Kan. E. E. Wilkins.

Going to Support Capper.

Mr. Editor—If Mr. Capper gets in the race for the nomination for governor of Kansas I will support him.

Whiting, Kan. J. F. Carder.

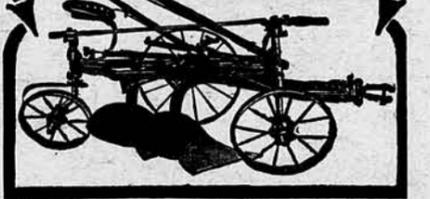
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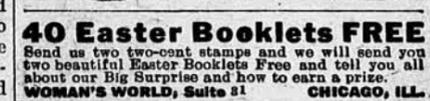
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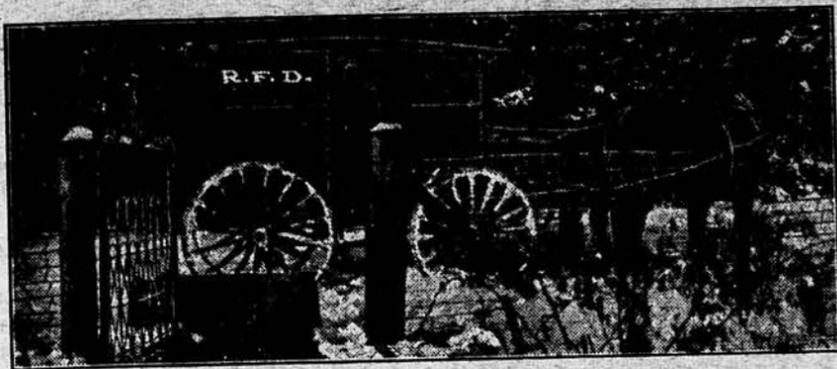
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Flaws in the Parcel Post

Why Farm Folks Do Not Use the System More Generally

A Readers' Discussion

In reply to the question, "What use are the farmers making of the parcel post?" I will say that Mrs. Hutchison is making use of it by sending cream to the city for use in social affairs and in that way receiving a good price for it. She is also sending dressed chicken to Denver and cottage cheese to Wichita and receiving good prices for each of these products.

Hatton, Kan. H. M. Hutchison.

Need Special Mail Cars.

There was such a clamor from the common people for some relief from the express companies that the lawyers at Washington, not lawmakers thought any form of parcel post would be accepted by the farmers. It is plain that anything the farmers don't like, they will let alone. When the government owns its own mail cars and handles its parcel post as the express companies handle their business, then we will be ready to patronize the parcel post and the producer and consumer will be brought together. But I am not ready to put a carton of eggs in a mail sack with Bill Jones's plow points and take the risk of having them delivered in a presentable condition.

Centerton, Ark. W. W. Slocum.

Is It the Consumer's Move?

The farmer is waiting for the consumer to offer him the high city prices and a large number of the consumers in the city are waiting for the farmer to offer his goods at low country prices. The farmer has enough other things to make a living from, so he will not accept low prices for his produce. He knows there is enough going to waste on the farm to feed all the idle people in our cities, but he will not work extra hours or hire help to save his produce and then get low prices for it in the cities. The farmer has the goods; the consumer wants them and must have them, so the consumer will have to come to the farmer and pay cash and enough to cover expenses.

Consumers are now paying 25 cents for good butter delivered at their houses and they pay one price all the year. Why should this not work with fresh eggs? This would stop the cold storage business. The greatest trouble in shipping eggs is the market. If we had a fixed price for eggs as we have for butter, the consumer could send the cash with his order. A fair price for eggs would teach the farmers to have their eggs fresh for market.

Sylvan Grove, Kan. F. Schneider.

A Middleman is Needed.

I think the chief reason we farmers are not using the parcel post as much as the merchants is that we do not know where to send our produce and the consumer does not know where to get his produce. The only remedy is for us to advertise our produce and for the consumer to advertise when he wants to buy it. During the hot season it is very difficult to ship butter by parcel post. I do not think it is safe to ship eggs by parcel post at any time.

It costs 2 cents a pound to ship butter not farther than the second zone, and still more beyond that. The cost of shipping together with the advertising makes each pound of butter cost the producer about as much as he receives for it. I am firmly convinced that we will not be benefited by the parcel post system in shipping produce to single individuals. If it could be arranged to ship all the produce we have in one week to one person who will act as a distributor, I believe the problem would

be solved and the system could be used to our benefit as well as to the consumer's. The system is all right and I feel certain we will find a way in time, to make it work out at both ends.

R. 2, Vesper, Kan. J. W. Wilson.

Who Will Do the Collecting?

It is not enough that large parcels may be sent through the mail at smaller cost; it is not enough that consumer and producer be discovered and introduced; there must be some means to collect the price of the articles sold and to remit the price to the producer. The parcel post as related to the producer is an absolute credit system and a credit system is the weakest of business systems. There is no assurance that a purchaser will remit the price of the purchase.

A simple plan may be devised to overcome the weakness. Every town and city could have its clearing house through which the articles could pass to the purchaser, and the clearing house could collect the price and remit to the producer. When this plan is adopted, the farmer-producer will avail himself of the parcel post to the full, and not till then.

Cooley, Okla. J. Rawdon.

A Matter of Forming the Habit.

The farmer does not make as much use of parcel post as the merchant because his products are largely perishable. The farmer cannot, does not or will not butcher his own stock so he sells it on the hoof. He will not make butter so he sells butter fat. The greatest difficulty the farmers have is in getting a container for eggs, and butter which will meet the requirements of the parcel post system. We tried to ship eggs by parcel post but learned that the customer had never received them and later found that the postal clerk had thrown them away because the package was in bad order. Eggs packed in the same manner would have reached the customer in good condition if they had been sent by express.

The farmers will use the parcel post more as they get the habit. Give us time to learn how to kill and cure our own meats and make our own butter, and have some sensible rules made in regard to containers and packages, and we will make greater use of parcel post. Just now we are studying co-operation and trying to make one dollar do the work of two without the dollar to begin with.

Fairview, Kan. Louis Whitney.

Paying Egg Business By Mail.

We are farmers living the same distance from two postoffices. We get our mail through one postoffice by rural route. We prepared our butter in rolls, packed it in pasteboard boxes and sent it by the rural carrier, but the postmaster at that office refused to send the butter because it was not packed in a wood or tin container. We took the same butter to the other postoffice and sent it without any trouble. We have been sending it since then with no complaint although we lose half a day going to town when we could otherwise use the mail route.

Why doesn't it do just as well to send firm butter in pasteboard boxes? Also why is it that one postmaster sent our butter and the other one would not?

By using the parcel post we receive 45 cents a pound minus the postage for our butter, while at our home town we receive only 21 cents. As we make from 18 to 20 pounds a week and send

(Continued on Page 35.)



Buy it by the box of twenty 5 cent packages for 85 cents—at most dealers.

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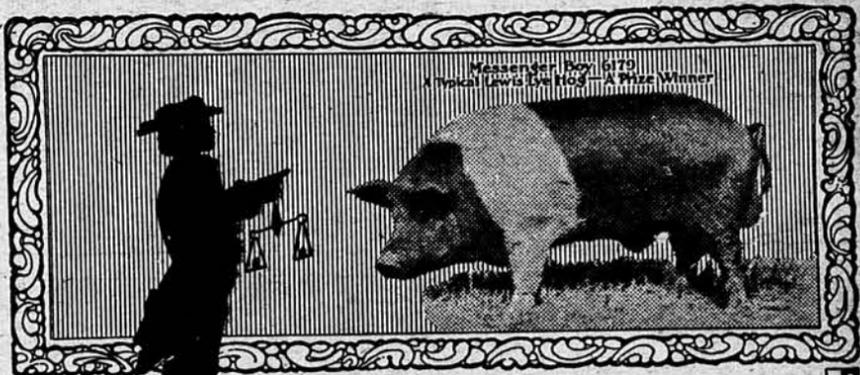
It's the clean, pure, healthful pastime. It purifies the mouth all day for less than a cent.

Men like it before, after or instead of smoking. It's delicious aid to teeth, breath, appetite, digestion.

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Women Want Sensible Shoes

Salesmen Are Very Pleasant, But Many Are Misinformed

BY LUCILE BERRY
The Farmers Mail and Breeze

"THIS shoe that I'm showing you," said the glib shoe clerk as he fingered a pointed toed, spindle-heeled bit of leather, "is the most strictly anatomical shoe on the market. You can't find a sweller shoe in town. Made from the best calf-skin on the market—will wear as well as anything in the store; all the women are wearing it—been very popular this sea—"

"But haven't you anything with a moderate heel? I'd like a shoe with a broader toe, too," the woman broke in.

"Now don't you know, that is exactly what women with narrow feet are continually asking for? They shouldn't wear such shoes at all." The young man bent over breezily, and rescued a tiny-package which had dropped from her arms.

"Look at this shoe," he continued, suspending a dizzy-heeled sample before her. "Ever see anything neater? Made by a company that makes the best models on the market. Some of their shoes sell for twenty-five dollars a pair. What do you think of that?"

"I need something to walk in though. Haven't you anything at all—"

"Just slip this one on—right foot, please—nothing the matter with that shoe, lady. Low heels have ruined many a woman's feet. This shoe will hold its shape until it's worn out—the arch is made to stand strain. Just step over to the glass where you can see. Isn't that neat? If you want a downright, classy little shoe, you've—"

And so it went. So it goes every day in shoe departments. Would you believe it, this woman had to look in four stores before she found a pair of shoes that really was sensible, fashionable, and comfortable.

Before women can buy shoes intelligently, they must know good shaped shoes from poorly shaped shoes; know it so well that no shoe clerk, no matter how nifty his necktie, or how convincing his talk, can persuade them to act against their own common sense. When women know what sort of shoes are the right sort, they will buy them. In spite of all the laughing that's done over the things women wear, if you're honest you will admit that no class of individuals really has a corner on all the common sense in existence.

By observing a baby's foot, one can see that a straight line drawn from the center of the end of the big toe through the center of the base of the big toe would pass through the center of the heel of the foot. In a foot afflicted with a bunion this line shoots off at an angle. After years of wearing poorly shaped shoes the first pain will be felt. The main cause of bunions is the shape of the toe of the shoe. Shoes with the point in the middle, or nearly in the middle, are atrocious. Nearly any shoe the smiling clerk will show you if you ask for a "dress shoe" will be a thin patent leather or velvet shoe, pointed in the middle of the toe. Any shoe that causes the line described, to be broken is dangerous. When selecting shoes, look at the soles. Hold the soles together. The points of the toes should nearly meet. Study the diagrams given on this page. In buying children's shoes it is not difficult to get good shaped ones.

The instep or arch of the foot is made up of twelve bones, arranged by joints, muscles and nerves to form an arch from the heel to the balls of the toes. Jolts and shocks are transmitted by this arch in two directions to the heel and toward the toe. Any pinching or restraining of these muscles will make trouble in every nerve of the body. The shocks which cannot be borne by the confined arch react upon the upper organs of the body. When the arches of the feet are weakened the little exercises which children practice in school are really beneficial. One of the best is rising on the toes, poising the weight there for a short time and slowly resuming the natural posi-

tion. This should be repeated several times.

The case is recalled of a certain young woman who was forced to give up her college work in the middle of the year because of her physical condition. The doctors had puzzled over the case, called it rheumatism, and overwork, and prescribed to no avail. It remained for a cobbler—quite an efficient one—who chanced to be repairing her shoes to discover from them, that she was suffering from flat insteps. The broken arches were given proper support—for in this case support was needed—and her condition improved rapidly.

Unless a shoe is particularly stiff and



The line should pass through the heel. A well shaped pair of shoes. The kind of shoes that produces bunions.

heavy, it should need no "breaking in." It is really true that if shoes were more nearly the shape of the feet, a person could wear a smaller size.

A child is usually taught to "toe out" when walking. This teaching is wrong. One might guess it from the fact that a child must be taught to do it. It is natural to walk with the toes pointing straight ahead, and in this, as in nearly everything that Nature dictates, the natural way is best. To walk in the way that men have strangely decided is proper, is to throw the weight on the inside of the foot, where the weakest muscles of the foot are found.

A woman often thinks the arch support, commonly found in high-heeled shoes is necessary to protect the muscles of her foot. Any device that tries to protect a healthy muscle by taking from it all opportunity to exercise and develop is useless and harmful. In addition to weakening the muscles of the arch by pampering them, the "arch support" works an injury by pressing constantly on the blood vessels lying near the surface on the under side of the foot.

More Home Training Needed.

Mr. Editor—All this white slavery talk that is flooding the papers at the present time gives me a pain. For my part I do not think the evil will ever be totally overcome but it could be greatly diminished if parents would try to raise their own children better and not put in so much time watching their neighbors' boys and girls. I know of several cases in this community in which the girls were as much to blame as the boys. I think a little better raising of those boys and girls would have cut the number of cases at least one-half.

The newspapers seem to insinuate that most of the girls in the red light districts of large cities are from the country. I say that not over one girl to every 10 that goes wrong is a country girl. I have been around some in cities and have known cases of well-to-do girls and married women who have left home to go to the other part of the city, or to some other town under some other name, to have what they called a good time. On their return home they would tell their folks and friends that they had been off to visit some dear girl friend or relative.

I think a law that would punish such deception would help things wonderfully; but no, the way it is now, those women if caught can put up most any kind of an excuse, the boys get all the penalty and the women go free. Both should be assigned to some task in the penitentiary.

Clements, Kan.

Feed the early hatched pullets, which should now be full grown, on a good laying ration and you will get eggs when the price is high.

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Guard Against Horse Plague

Some Special Directions From the United States Department of Agriculture About Feeding

HORSES have died by the thousands in Texas, Iowa, Kansas and Nebraska from a disease affecting the nervous system, known as blind staggers or forage poisoning. The United States Department of Agriculture has received urgent requests for help from 16 states, and as a result it is now publishing a bulletin containing definite instructions for combating the trouble. This shows the universality of the disease. Kansas and Nebraska bore the brunt of the affliction during the past year but other states also have suffered seriously. Kansas has had more than its share. Severe outbreaks extended over almost the entire state in 1891 and since that date have recurred with equal severity on two occasions in various portions of the state. The bulletin takes notice of the fact that additional deaths undoubtedly have been due to the use of fake "cures" sold by unscrupulous persons. It is reported that in Nebraska "blackleg vaccine" was used on at least 1,600 unaffected horses, nearly 1,500 of which are said to have died as a direct result.

Feed Controls It.

Investigators have practically established that this horse disease can be controlled effectively only by a total change of feed and forage. It is quite obvious that there is a direct connection between the green forage, exposed pasturage and newly-cut hay or fodder which the horses eat, and this cerebrospinal meningitis, as the disease is known to scientists. In fact, eating of such forage when contaminated undoubtedly is the most important cause. Over 95 per cent of the cases occurring in Kansas and Nebraska during the outbreak of 1912 were caused by contaminated forage.

Great care must be taken that horses do not obtain the dangerous forage unknown to their owners. The owner of one farm informed the Department's investigator that his dead horses had eaten nothing but old hay and grain.

"But what about the closely cropped grass in this pasture?" remarked the investigator, noticing the adjacent field. "Oh!" answered the farmer, innocently, "I always turn the work horses into pasture over night."

Many horses have died from blind staggers caused by eating moldy baled hay. As soon as the hay was eliminated the disease ceased. Other horses in the vicinity not fed upon this hay failed to contract this disease. Later some of the moldy bales were opened and exposed to the sun for three or four weeks. After this the hay was fed to horses without producing any ill effect. Forage poisoning, therefore, seems not to be an infection but rather what is called "auto-intoxication"—that is, it is due to certain chemical poisons or toxins formed by the activity of internal organisms. These poisons may be present when the forage is taken into the body or may be formed in the stomach. The nature of this poison is still unknown.

Blind Staggers.

When the horse is taken with the blind staggers it usually exhibits a disturbance of the appetite, depression and weakness, while there is trouble in swallowing, drooping of the head and sleepiness which may give way to excitement and attacks of dizziness. The vision is impaired, which results in the staggering gait that gives the disease its popular name. Certain muscles of the neck and flanks are cramped and there is a grinding of the teeth. Sometimes the animal has pains as though it were afflicted with colic. The animal will walk strangely if in an open space and will try to push through any obstacle it encounters. In the stable he will press his head against the stall or rest it on the manger. Sometimes he will crowd into a corner. The temperature at the beginning of the disease ranges from 103 to 107 degrees Fahrenheit, but within 24 hours the temperature falls and eventually becomes subnormal. The animal is often down on the second or third day and may or may not get up when urged. Death usually

occurs in from four to eight days, although death may follow within 10 hours of the first symptoms, while chronic cases have been known to last for three weeks. About 90 per cent of the affected animals die.

While medical treatment in the vast majority of cases has not brought results, nevertheless if it is used at all it must be prompt and before the disease has had time to run. The digestive tract should be cleaned out thoroughly. Active and concentrated remedies should be given. Afflicted animals, however, have great difficulty in swallowing, immediately after the attack, so these remedies must generally be given by injection. Arecolin in one-half grain doses, subcutaneously, has given good results as a purgative. Early in the disease urotropin in doses of 25 grains dissolved in water and given by the mouth every 2 hours, appears to have been responsible for the recovery of some cases of the malady.

After the animal has been purged, the treatment varies according to the symptoms. The following measures have been recommended:

First and most important, feed only clean well-cured forage and grain, and pure water.

Calomel, salol and salicylic acid to disinfect the intestines and mild antiseptic mouth washes are advisable.

Send for a Bulletin.

Copious cold water injections, if the temperature is high, give better results than antipyretics.

An ice pack applied to the head is beneficial in the case of marked nervous disorder.

One-ounce doses of chloral hydrate per rectum should be given if the patient is violent or muscular spasms are severe.

If the temperature becomes subnormal, the animal should be blanketed warmly.

If much weakness is shown this should be combated with stimulants, such as strychnine, camphor, alcohol, atropin or aromatic spirits of ammonia.

The usual tonic treatment is recommended during convalescence.

The Department of Agriculture's bulletin No. 65 is entitled "Cerebrospinal Meningitis (Forage Poisoning)" and may be had on application to the Department of Agriculture, Washington, D. C.

Better Horses for Kansas

(Continued from Page 9.)

owner himself having been deceived in his purchase.

The Kansas legislature responding to the demand from the horse breeding fraternity for protection, passed what is known as the "stallion law", requiring every stallion standing for public service to stand under his true colors. This law places within reach of every mare owner a means of obtaining verified and authentic information regarding the breeding of every stallion in his community; by requiring every stallion owner to procure a state license, which shows the horse's breeding, and to keep this license posted in a conspicuous place where the stallion is kept.

White licenses are issued for pure-bred stallions, yellow for grades and blue for scrubs. Watch for the color of the license of the stallion you patronize. The law also requires that each stallion advertisement have as a heading, the class and number of license in the largest and boldest type used in the advertisement. In case the stallion owner has not complied with the law in regard to posting his license and advertising, the mare owner may secure the information desired regarding the breeding of the stallion he might wish to patronize by addressing the Livestock Registry Board, Manhattan, Kan.

Women are pretty brave to have a tooth-pulled or a bone sawed; but what cowards they are about wearing an out-of-style hat.



The Spirit of Service

WHEN the land is storm-swept, when trains are stalled and roads are blocked, the telephone trouble-hunter with snow shoes and climbers makes his lonely fight to keep the wire highways open.

These men can be trusted to face hardship and danger, because they realize that snow-bound farms, homes and cities must be kept in touch with the world.

This same spirit of service animates the whole Bell telephone system. The linemen show it when they carry the wires across mountains and wilderness. It is found in the girl at the switchboard who sticks to her post despite fire or flood. It inspires the leaders of the telephone

forces, who are finally responsible to the public for good service.

This spirit of service is found in the recent rearrangement of the telephone business to conform with present public policy, without recourse to courts.

The Bell System has grown to be one of the largest corporations in the country, in response to the telephone needs of the public, and must keep up with increasing demands.

However large it may become, this corporation will always be responsive to the needs of the people, because it is animated by the spirit of service. It has shown that men and women, co-operating for a great purpose, may be as good citizens collectively as individually.

AMERICAN TELEPHONE AND TELEGRAPH COMPANY
AND ASSOCIATED COMPANIES

One Policy One System Universal Service



DEPENDABLE POWER FOR LIGHT AND WATER

WHILE other work might wait, the power for light and water must always be "on the job" when wanted. You can't afford to risk possible trouble or delay at a critical time. You

need an engine that you can "bank on" every minute. Such dependability as this—such absolute reliability—is characteristic of

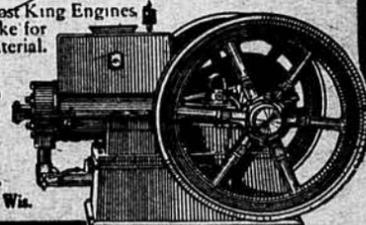
The Lauson Frost King Gasoline and Oil Engines

No Cranking.—Engine starts on magneto, without turning over. Special design and exclusive Lauson features cut down fuel expense. **Perfect Balance**—Engine stands quiet even under full load. Every part accurately ground and fitted. The Lauson Frost King is fitted with thousands, as the standard of farm engine quality. Special features of the Lauson Frost King put it in a class by itself. **No Batteries**—all batteries and expense incidental thereto are eliminated by the Sumter Gear-Driven Magneto.

Guaranteed.—We absolutely guarantee Lauson Frost King Engines to make good on every claim we make for them. Also as to workmanship and material.

Write for New Engine Book
Illustrates and describes all styles of Lauson Frost King Engines from 2 to 50 H. P.—Portable, Semi-Portable and Stationary
In writing us state size engine you need

The John Lauson Mfg. Co.
236 N. W. Street New Holstein, Wis.



AVERAGE 17c A POUND FOR YOUR HOGS

Butcher your hogs, cure your meat with **Wright's Ham Pickle** and smoke it with **Wright's Condensed Smoke**. Sell meat by parcel post to city people.

Let Uncle Sam Be Your Errand Boy.

Wright's Ham Pickle, a scientific combination of meat curing materials all recommended by Dept. of Agriculture. A \$1.00 box cures a barrel of meat. **Wright's Condensed Smoke**, a liquid made from hickory wood, for smoking all meats. A 75c bottle smokes a barrel of meat. Send names of five neighbors who cure meat for **Free Sample and book**.

The E. H. WRIGHT CO., LTD., 802 BROADWAY, KANSAS CITY, MO.

How to Cook the Cereals

Twenty Minutes Cooking Is Not Enough For Oatmeal

BY ADAH LEWIS

CEREALS are the grains of the cultivated grasses. The cereal products on the market are obtained from wheat, corn, rye, oats and barley. These substances vary in composition, according to the source. Oats are especially rich in protein, fat and mineral matter, but do not contain as high a percentage of starch as some of the other cereals. Rice and corn are rich in starch.

In the cooking of cereal products, our object is to soften the cellulose part and also to cook the starch thoroughly. This cannot be accomplished unless we are willing to take plenty of time for the operation. Oat meal, for instance, that is given a brief cooking for 30 to 45 minutes is not as digestible nor as nutritious as that cooked for several hours. The long cookery which is so desirable is apt to be somewhat of a problem in the average household; one of the best means of solving it, is the fireless cooker.

The various kinds of cereals require different lengths of time for cooking. Wheat preparations should be cooked at least two hours; oat meal is not thoroughly cooked short of five hours; hominy or corn materials four hours. If you buy a cereal in a package, it is advisable to double the length of time for cooking specified in the directions.

A general rule for combining the ingredients in cooking cereal products is as follows: Allow 1 teaspoon of salt to each quart of water. Bring the water to a boil in the upper part of the double boiler (over direct heat) and slowly stir in the cereal. After the mixture has boiled up, place the vessel over hot water in the lower part of the boiler and cook the required length of time, without stirring. Enough water should be used in cooking the cereal to swell the grains to their maximum size; but we should guard against the gruel consistency, as the cereal will then "slip down" in all probability without thorough mastication.

Fruits served with cereals provide delicious variations. Rice cooked with raisins, steamed rice with figs (the figs being served as a garnish) and dates with oat meal are wholesome and dainty breakfast dishes.

Rule For Date Cakes.

Tempting wafers and cookies may be made from some of the cereals by combining the latter with fruits or nuts; for instance we have a favorite recipe for date cakes which is as follows:

- 2 1/2 cups rolled oats.
- 1 cup brown sugar.
- 1 teaspoon soda dissolved in 1/2 cup cold water.
- 2 1/2 cups flour.
- 1 cup butter.

Cream the butter and sugar together, and add the water and dry ingredients alternately to the creamed mixture. Flour the bread board and rolling pin and roll the dough as thin as possible. Spread one-half of it with the following sauce:

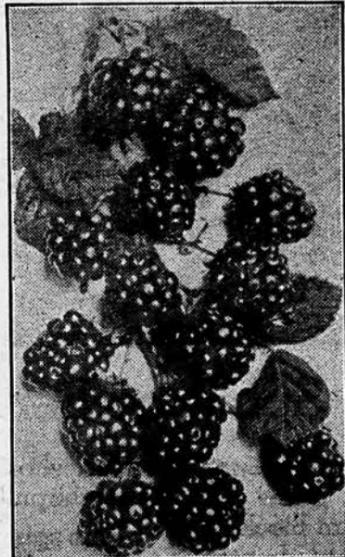
- 1 lb. dates.
- 1/2 cup water.
- 1/4 cup sugar.

Stone the dates and cook in the water with constant stirring until they are tender. Add the sugar, and the sauce is ready for use.

After spreading the mixture on one-half of the dough, fold over the other half and cut in wafers. Bake in a moderately hot oven until the wafers are delicately brown.

Macaroni is a form of cereal prepared from a hard variety of wheat. The flour is made into a paste and this is pressed into various shapes and dried. It affords a very nutritious food and is appetizing either when served plain, with cheese, or with a tomato sauce.

A delicious home made cereal may be prepared by grinding up wheat and cooking it by the customary method.



Fruits Served With Cereals Provide Delicious Variations.

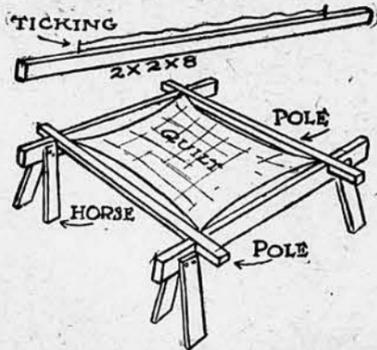
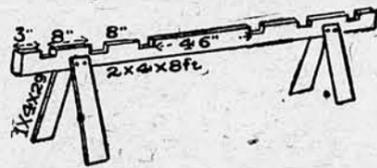
We have many forms of prepared breakfast foods on the market which require none or a very small amount of cooking prior to serving. They are supposed to be prepared by the action of malt, which changes the insoluble starch to soluble forms, thereby making it digestible. A high percentage of dextrin is found in many varieties, indicating that dry heat has been used in their preparation, as dextrin is formed by the action of dry heat on starch. These breakfast foods are in no way harmful and afford variety in the diet.

Cereals are a cheap and an easily digested form of food when properly prepared and served. It might be stated, however, that there is a tendency to serve so much cream and sugar with them that many times they are the cause of severe attacks of stomach disorders and indigestion in general. Only a small amount of sugar, if any, should be used with cereals. Children are especially prone to deluge the oat meal with cream and sugar and often eat it solely for the latter. This produces fermentation and acidity in the stomach. The coarse cereals containing much of the bran of the original grain are valuable reliefs for constipation.

The Handiest Quilting Frame

[Prize Letter.]

My husband made a quilting frame which is the handiest thing I have ever used for this purpose. I will never use the old style frame as long as I can use one like this. To make it take two pieces of 2 by 4 eight feet long and eight pieces of 1 by 4 twenty-nine inches long and make two horses, as in



Frame Ready for Use.

illustration. Cut three notches on the upper side of each 2 by 4 at each end, making the notches 2 inches wide and 2 inches deep, the first one 3 inches from the end and the others 8 inches apart. Then take two 2 by 2-inch poles 8 feet long for side pieces. These must fit into the notches tight. Tack a narrow strip of ticking to each of the poles, and also on top of the horses. The quilt is temporarily sewed to the cloth on the horses, and rolled up as the quilting progresses. Mrs. Jacob M. Friesen. Jefferson county, Nebraska.

Why Boys and Girls Go to Town

It has been my good fortune the last few years to travel considerably through the states of New Mexico, Colorado, Kansas, Nebraska, Missouri and Illinois, and I have come to one definite conclusion in regard to the important ques-

tion, why do the boys and girls leave the farm? There is in the nature of nearly every woman, and many men, a real love of the beautiful, although sometimes it never finds expression.

As one passes through miles and miles of farm land he cannot but admire the hundreds of acres of wheat and corn, nor can he help admiring the evidences of thrift in the well fenced, well kept fields, nor the herds of contented cattle grazing in the pastures. But look away from these evidences of prosperity towards the home, and what do you find there to admire? In almost nine cases out of ten it is an utterly unattractive place, of the smallest dimensions in which it is possible for the family to find shelter and entirely lacking in the qualities that go to make up a home.

I have been amazed, not only at the proportions and unattractiveness of the house itself but at the utter lack of beauty in the surroundings. Trees, which cost only a little money, will grow anywhere if ordered from a reliable nurseryman, for such a man knows the kind best suited to the locality. And the pleasure and comfort of a few shade trees around the house cannot be estimated, to say nothing of the added beauty of the place.

I do not believe the woman lives who does not love flowers, yet how many farmers' wives do not have even a vine to cover the porch—if they are fortunate enough to have a porch! Can anyone wonder why girls and boys do not want to spend their lives amid unattractive surroundings when down deep in their natures is something calling out for beauty—the feeling often not understood but there just the same?

I venture to say that very many more of the girls and boys raised on the farms could be kept there if different conditions existed in the homes; if the homes were built with an eye to beauty as well as utility; if they were in the true sense homes, not places where people just worked, and ate, and slept; if there were flowers and music and comfort—not luxury; if the children were as well cared for as the fine stock or as the fine machinery used in the making of money.

Will not the fathers try to look at this from an outsider's point of view and see if it will not be possible to make conditions on the farm so homelike that the boys and girls will be happy and contented at home and so be saved from the temptations, and very often downfalls, that beset every country boy and girl who starts out alone to make a living in the city?

Elizabeth Collins.

Rule for Corned Beef

I should like the recipe for corned beef which was published in the Mail and Breeze in the fall of 1911. Will you please republish it?—Mrs. H. V., Nebraska City, Neb.

It is difficult to find a recipe published so long ago when the date is so indefinite. The following recipe is recommended by the United States Department of Agriculture and probably will prove satisfactory: Weigh the meat and for every 100 pounds of meat allow 8 pounds of salt. Sprinkle a layer of salt 1/4 inch deep over the bottom of the barrel. Pack the meat in as closely as possible, making a layer 5 or 6 inches thick; then put on a layer of salt. Repeat until the meat and salt have all been packed, taking care to keep enough salt for a good layer over the top. After the meat has stood over night make a brine in the proportion of 4 pounds of sugar, 2 ounces baking soda, 4 ounces saltpeter dissolved in a gallon of tepid water, and about 3 gallons more of water for every 100 pounds of meat. Cover the meat with a board weighted down with a stone to keep it all under the brine. It is not necessary to boil the brine except in warm weather. If the meat will be well to watch the brine closely during the spring. If it appears "ropy" or does not drip freely from the finger when immersed and lifted, it should be turned off and new brine added, after carefully washing the meat. The brine should be kept in a cool place, and the meat should be kept in the brine 28 to 40 days to insure thorough corning.

Skepticism is a fine thing. Use it on the fellow who has a great scheme on paper that he wants you to invest your money in.



Meals that are Easier and Quicker to Get

The splendid dishes which can be prepared are only one reason why there should be in every farm kitchen an

ENTERPRISE Meat AND Food Chopper

Meals can be ready in less time and with less work. Then there is the saving in food cost from using "left-overs" instead of having to throw food away. You can hardly realize what a help it is until you have used one. If you do any butchering, this is just the machine for chopping sausage meat. It is the chopper that gives the chopping cut—does not squeeze, mangle or crush. The chopping is done by a sharp four-bladed knife that revolves rapidly and cuts clean and fast. This is unquestionably the best machine on the market. Family size, \$1.75. Large size, \$2.50. If you want a still lower-priced machine, ask to see the ENTERPRISE FOOD CHOPPER. From \$1.25 to \$2.25, according to size. Send 4c for our new cook book, "The Enterprising Housekeeper." Well worth having.

Your dealer has ENTERPRISE CHOPPERS. Ask him to show them to you.

THE ENTERPRISE MFG. CO. of PA. Dept. 25 Philadelphia, Pa.

1913 RECORD

Magnificent Crops in all Western Canada

All parts of the Provinces of Manitoba, Saskatchewan and Alberta, have produced wonderful yields of Wheat, Oats, Barley and Flax. Wheat graded from Contract to No. Hard weighed heavy and yielded from 20 to 45 bushels per acre; 22 bushels was about the total average. Mixed Farming may be considered fully as profitable an industry as grain raising. The excellent grasses full of nutrition, are the only food required either for beef or dairy purposes. In 1913, at Chicago, Western Canada carried off the Championship for beef steer. Good schools, markets convenient, climate excellent. For the homesteader, the man who wishes to farm extensively, or the investor, Canada offers the biggest opportunity of any place on the continent.

160 ACRE FARMS IN WESTERN CANADA FREE

Geo. A. Cook, 125 W. 9th St., Kansas City, Mo.

25 Easter Post Cards 10c

25 of the most beautiful post cards ever sold, 10 cents. All different.

THE BEST YOU EVER SAW

consisting of beautiful and artistic designs of Angels, Crosses, Text, Pretty Flowers, Rabbits, Chickens, Eggs; all with appropriate Easter Greetings. Some are embossed and in gold. Illustrations in many colors and a fine grade of each card.

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INSTALL YOUR OWN Water Works

Hot and cold running water for country homes. Complete system ready to install \$37.50. Easily installed by anyone or money refunded. Enjoy the comforts of life!

Big Free Catalog

Simply send name today for big low price Catalog FREE. Shows hundreds of bargains in Pumps, Windmills, and everything known in Plumbing Goods direct at manufacturers' prices.

MISSOURI WATER & STEAM SUPPLY CO.
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(5 bar, 1600 Ohm—\$8.50.)

With our new "ring-through" condensers 40 Stations Can Be Handled on One Line. Ask Department X for FREE BULLETIN.

WESCO SUPPLY CO., ST. LOUIS, MISSOURI

Poultry Magazine

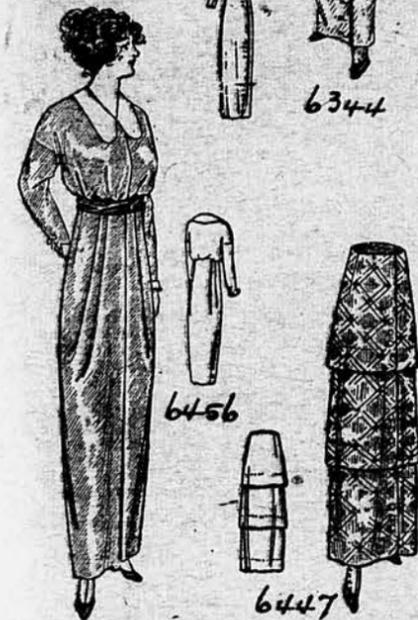
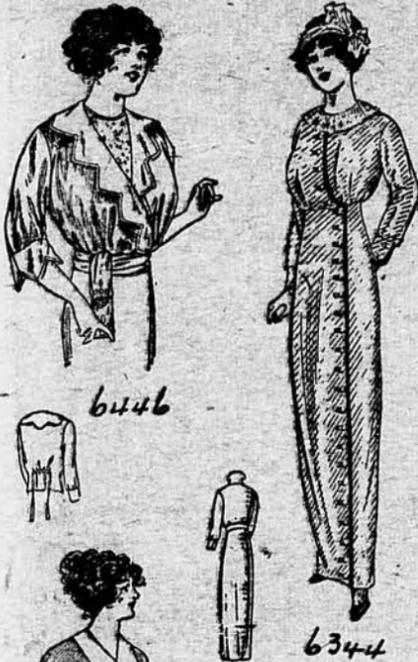
Big 20 to 40 page illustrated monthly magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 800 Jackson, Topeka, Kan.

HOMEDRESSMAKING

These patterns may be had at 10 cents each from the Farmers Mail and Breeze.

The ladies' shirt waist, 6446, is decidedly novel. It is cut in five sizes from 34 to 42 inches bust measure. Size 36 requires 2 1/2 yards of 44-inch material with 1/2 yard of 22-inch all-over lace.

The plain, graceful lines of the dress, 6344 will appeal to the woman who loved simplicity. It is cut in five sizes from 34 to 42 inches bust measure. Size 36 requires 5 1/2 yards of 36-inch material.



Soft spring woollens and silks may be used to develop the design, 6456. Nothing could be more fashionable or easier to make. It is cut in six sizes from 32 to 42 inches bust measure. Size 36 requires 4 1/2 yards of 36-inch material with 1/2 yard of 27-inch silk for collars and cuffs.

The skirt 6447 is cut in five sizes from 22 to 30 inches waist measure. Size 22 requires 5 yards of 27-inch material.

USE THIS COUPON FOR PATTERN ORDERS.

The Farmers Mail and Breeze, Pattern Department, Topeka, Kan.
 Dear Sir—Enclosed find cents, for which, send me the following patterns:
 Pattern No. Size.....
 Pattern No. Size.....
 Pattern No. Size.....
 Name
 Postoffice
 State
 R. F. D. or St. No.....
BE SURE TO GIVE NUMBER AND SIZE.

It Just Occurs to Me That—

The wise woman finds gentleness more effective than "jawing."
 A girl ought to resign any other job she happens to have when she falls in love. She can't give proper attention to both.
 When a girl is about 10 she some-

times thinks boys are "rough and horrid," but after she gets to be 16 she notices there has been a great change in the boys.

Careful home training can do more to make a girl beautiful than the dress-maker can.

It takes 40 years to turn out a self-made man; but given a big mirror and a lot of other things and the self-made woman comes forth in about an hour and a half.

When a girl has returned from a long visit the first thing the other girls look to is her rings. Before they have her half kissed they know whether she has a new one.

The silly, giddy, boy-chasing girl of 16 makes a sensible matron at 36. That's what saves the country.

A worrying child sometimes moves a whole congregation before it can move its mother.

Save up bright and interesting things to tell at the table. It helps make a balanced ration.

These poultry women should give their husbands a definite allowance, instead of compelling them to ask for it every time they want a dollar to spend.

The girls have so many good jobs that a worthless man has to figure around a week or two these days to find anybody that will marry him.

The woman who graduated from a conservatory of music is wishing her friends would come around and take her out riding in their auto; and the woman who knows how to run a successful poultry farm comes round and takes her.

There are some women that every clerk in the store hates to be polite to. After putting up the things she gets down the clerks feel as if they'd been cleaning house.

W. C. Palmer.

Things They Want to Know

Several requests have been received within the last few weeks. If those who know how will answer them, the home editor will greatly appreciate it:

Will someone please send in a good recipe for a brown pudding made of stale bread that can be served with roast duck? Is there any way of cleaning a white serge dress?—Subscriber, Hillsboro, Kan.

Will you please give through the Home Department instructions for making fattening? Please show from the beginning; I think if I could get it started I could make it.—Mrs. L., Ness City, Kan.

I could not get along without the Home Department. It is fine. I would like the quilt pattern known as "The Snail's House," also "Catch Me if You Can," the single Irish chain and the double Irish chain.—A Shut-In.

Can someone give the rule for making mango pickles from green muskmelons instead of peppers? The fancy work patterns are a great addition to the woman's department.—E. P., Simmons, Mo.

About a year ago you published a recipe for sea foam cake. Will you please publish it again?—V. L. C., Morganville, Kan.

I have been reading the canning suggestions in the Farmers Mail and Breeze and am in the notion of setting up a home canning outfit. I would like a little information on the business, whether you think it would pay or not. I would like to know where I could buy the cans and where would be the best market for them. And I would like your bulletin No. 521, which gives suggestions on the use of canning outfits.—C. C., Sabetha, Kan. (The bulletin is not furnished by the Farmers Mail and Breeze but by the United States Department of Agriculture at Washington.—Editor.)

Farming is a business the same as any other industry, and until our schools teach some of the fundamental principles governing profitable farming, the farm boy is likely to seek work elsewhere. Considering that the farm boys of today will be the farmers of tomorrow, too little attention is given to their training.

Canada cuts about 2 million cords of pulp wood annually, about half of which is exported for manufacture in the United States.

DON'T BE DEFRAUDED - GET THE GENUINE



The great popularity and the heavy demand for the famous Martha Washington Comfort Shoes made only by the F. Mayer Boot & Shoe Co. of Milwaukee, have caused dishonest dealers to sell cheap and inferior imitations to their customers when the genuine Martha Washington was wanted and asked for.

Mayer Martha Washington Comfort Shoes

Slip them on and off at will—classic at the sides insures perfect fit and free action of the foot. Get rest, relief and comfort.

Dressy Neat Durable

The Mayer trade mark and the name "Martha Washington" are on the sole. If you do not find these marks, you are being defrauded. If your dealer cannot supply you, write to us.

F. MAYER BOOT & SHOE CO., Milwaukee



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Book on Groceries, Clothing, Furniture, Shoes, Carpets, Biscuits, Silverware, Jewelry—Everything Used in the Home.



Write for a copy today—see the wonderful Bargains it contains—see the dollars it will save you—see how you can get guaranteed Groceries at about half normal prices; Laundry Soap, 2 lbs. for 10c; Toilet Soap, 3 bar box, 12 1/2c; Baking Powder, 1 lb. for 5c; Tea, 50c a lb.; Starch, 5c a box; Extracts 10c a bottle—etc. Learn how

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With orders for our GUARANTEED GROCERY PRODUCTS—allow 30 days trial—ask no money in advance—let you be the judge of the quality. Send for book today—a postal order or a check for the amount of the book. You can get for home and family without a cent of extra cost on our Money saving Factory-to-Home Plan of buying. Ask about our Club of Ten plan.

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No. 50774 This handsome Easy Rocker gives with a \$10 Grocery order.

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Learn the "secret of saving." Learn how to make your money go farthest.—Learn all this—FREE! Send coupon (below) or postal card and it will bring you for one year, absolutely without cost, the

"Standard" Bargain Bulletins

Issued Every Two Months

In these bulletins is the whole secret—they teach you the value of merchandise. They place in your home the world's best offers in women's, men's and children's clothes. And, as the Bulletins are issued so often, they show the very latest styles, just as they appear in New York. They give you the correct clothes for all purposes and save you 1/2 to 3/4 of the usual cost. Is not this true economy?

Now Ready! The New Spring Bulletin is just out. It contains the newest merchandise and the latest Spring styles. No one can afford to be without this "book of bargains"—Send today coupon (below) or postal card and it will be mailed you FREE.



ND1—A rare money-saving opportunity, for this charming wash dress is priced at half regular cost. Made of extra good quality, serviceable linen in cadet blue, tan or lavender. Bodice cut with becoming fullness and attractively trimmed with white pique; collar and revers embroidered with matched floss. Buttons in front. Ladies' sizes 34 to 44 Bust. (Misses' sizes following.) Postpaid in the U. S. **\$1.00**

ND1M—Same as ND1 in Misses' sizes 14 to 18 years. Postpaid **\$1.00**

ND197—One of the best dress bargains of the season. An extremely smart, new style effectively made of good quality, washable Whipcord in two tone gray, dark blue, tan or wine. White ratine is daintily employed in the vest, collar and cuffs, and matched silk embroidery provides very tasteful trimming. Closes in front. Ladies' sizes 34 to 44 Bust. (Misses' sizes following.) This \$3.00 dress, postpaid in the U. S. **\$1.97**

ND197M—Same as ND197, in Misses' sizes 14 to 18 yrs. Postpaid **\$1.97**

Standard Mail Co.
 Dept. 221, New York City

FREE Bargain Bulletin Standard Mail Co. Coupon

Gentlemen: Please send me FREE for one year the "Standard" Bargain Bulletins beginning with the New Up-to-the-Minute Spring Bulletin.
 Name
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 Postoffice State.....

BEE SUPPLIES Send your name for new Free 1914 Catalog just out. Dept. M. Clemons Bee Supply Co., Kansas City, Mo.

FLORIDA Fruit, Vegetable and Stock Farm Land, Peace River region. Low price. Join our big farms. Help wanted. Farwell & Sons, 78 Fenelon St., Dubuque, Iowa.

Twin City "60"
Twin City "40"
Twin City "25"
Twin City "15"

Every machine is built to use kerosene, gasoline or distillate.

The Twin City Oil Tractor

THE ONE TRACTOR THAT STANDS ON A PAR WITH THE HIGHEST GRADE AUTOMOBILE

LOW cost of upkeep—low repair bills—durability—economy of operation—ease of access to every part—adaptability for all work—surplus power—are features that mean most to you in a tractor investment.

Examine the Twin City steel plate frame—that superb heavy duty four-cylinder motor—that force feed oiling system—that compact enclosed cooling system—that automobile type of axle which makes for easy steering—just see these tractors. It won't take you long to find the reason for superiority.

Attend Our Twin City Tractor School

The last 30 day term opens March 16th. Learn to operate this tractor and then judge of its merits. Send in your application. Now.

Minneapolis Steel & Machinery Co.
 2854 Minnehaha Avenue - Minneapolis, Minn.
 Send for our new catalog 15 F—It's free

Press Is Strong For Capper

A Few of the Many Expressions by Kansas Newspaper Men Approving the Publisher's Candidacy for Governor

ARTHUR CAPPER'S announcement as a candidate for governor has brought out editorial comment from many Kansas newspapers throughout the state. Almost without exception these expressions from Kansas editors show that the announcement was most favorably received. Following are clippings from a few of these papers:

From the Mankato Monitor: There is a popular demand for Arthur Capper for governor. He can be elected next fall regardless of how many tickets are in the field.

From the Cherryvale Journal: Arthur Capper's candidacy for governor should appeal to good citizens, even if he hadn't been cheated out of the office by a miscount two years ago. But recognition of that fact is going to give him a lot of added strength as a candidate.

From the Americus Greeting: If Hodges on the Democratic ticket should run and Capper again come forth on the Republican ticket Hodges would have a hard race. He does not have President Wilson to help pull him through this time. Capper is the only man that CAN be elected on the bifurcated Republican ticket.

From the Florence Bulletin: Capper will have the support of not only the Republicans but also of a large number of Progressives and Democrats. He comes out against the spoils system, he is for economy and efficiency, and is not in any combination or deal. He is a strong man, with strong principles, and if he succeeds in being elected as the next governor of Kansas, he will show a strong and capable administration.

From the Ottawa Guardian: No man in Kansas is better known than Arthur Capper. He will make a splendid governor. It's our opinion he can beat the whole bunch—Hodges, the Democrat, his assistant, Henry Allen, and others who may get in the race later. The voters this fall will see to it that Mr. Capper gets a square deal—a thing he didn't get in 1912.

From the Blue Rapids Times: Capper has withheld his announcement until he has received assurance from the rank and file of the party in every county in the state that it was their desire that he should become the party's candidate for governor. He is one of the strongest men in the state.

From the Alma Enterprise: We believe that Capper is thoroughly honest and sincere and that he believes he can do all the things he says he will. We voted for him before and can do so with much more pleasure this time. He will make an honest governor. He knows Kansas and her people and will do the best he can.

The Miami Republican: Capper stands for right principles and policies of government, for economy, efficiency and good service, and would make a chief executive in whom Kansas would take great pride.

From the Chanute Daily Timesett: His announcement will be enthusiastically received by all classes of Republicans, all over the state. Mr. Capper is a clean, successful business man. Just the kind of a man we want for governor. He will take just as good care of the state as he does of his own immense business, and there will never be a whisper of taint about his administration.

From the Great Bend Tribune: Arthur Capper, will, if elected, give the state an administration to be proud of and one that will have little of politics about it. He is qualified in every way to give the state the best business administration it has ever known. And he is not a man under obligations to any faction. He bears the unique distinction of having been elected governor of Kansas and of having lost the office through a technicality, a thing the people of the state, regardless of party, will not allow to happen again.

From the Peabody Herald: There has never been any doubt in any one's mind that more voters intended to vote for Capper last year than Hodges but owing to defective marking their ballots were not counted. With the new ballot law and a reunited party Capper cannot fail to be the next governor of Kansas.

From the Lansing News: We were for Capper in the last election, and we are for him this time. He was elected in 1912 and counted out; he will be elected in 1914 and counted in. In his private life Capper has been a clean citizen and a successful business man; he will be the same as governor.

From the Chanute Tribune: Mr. Capper is no spellbinder, but he is one of the best business men in the state, and that kind of a man seems to be greatly needed at the head of Kansas affairs at this time. The vital political need in Kansas is efficient and economical management of state affairs, that is what Mr. Capper promises in his announcement, and that is what Kansas will get by his election.

From the Marshall County News: Every taxpayer knows that we need a practical, economical business man at the head of the state's business. We have tried Hodges, who posed as 98 per cent business and 2 per cent politics, and we

have found that 2 per cent cuts more ice with a Democrat than business. Let's try Capper, who is all business and no politics.

From the Peabody Gazette: Arthur Capper, easily the foremost Kansas Republican in private life, has announced his candidacy for the governorship, to which many people think he was really elected two years ago. He reaffirms all his progressive tendencies, and to the voter who votes for the man instead of the party he makes a strong appeal.

From the Smith County Pioneer: Kansas people feel that Mr. Capper was fairly and honestly elected as governor at the last election, and regardless of politics there was a bitter and widespread condemnation of the methods used to cheat him out of the office to which he was entitled. In his second candidacy for the place we believe that Mr. Capper will win over any other candidate or candidates that may be pitted against him.

From the Atchison Champion: He is at the prime of life, just at the opportune time to be of tremendous service to his state. And with the Republican party now harmoniously behind him there can be but one result in November. Arthur Capper will be the next governor of Kansas. The people know him. They need him. And they are going to have him.

From the Kiowa News-Review: Mr. Capper was counted out under the pretext of a technicality in the election laws. All will stand and work together in the present campaign to redeem the state from Democratic misrule and extravagance. The people have faith in the sincerity, the business ability and the integrity of Arthur Capper.

From the Concordia Blade: His platform is characteristic Capper style—plain, straightforward, sincere. Mr. Capper happens to be a candidate that is not tied up with any clique or bunch of politicians. He is a clean, honest, self-made business man who started with nothing as a printer's devil and is now reputed to be one of the most successful business men and publishers in the country. Whenever Arthur Capper tells you a thing, makes a promise, or counts you as his friend, you can always depend on him as being true blue.

From the Lawrence Gazette: The state believes in him, and he has made a record both public and private that justifies their faith. They believe he would make the same kind of a success of the business of the state that he has made of his own business, and even those who do not believe with him, still believe in him, and while they would vote for their own candidate, still they have respect for and confidence in the ability and the integrity of Mr. Capper.

From the Hutchinson News: The technicality barred a recount and Mr. Hodges was given the place. Mr. Capper accepted the situation in a gentlemanly and patriotic spirit. There is no reason why every man who voted for Capper in 1912 should not do so in 1914 and the failure of the Hodges administration will give Capper many which were against him then. In addition to that, the women of the state now have the ballot and they are sure to remember that Capper has always stood by them and by the principles in which they believe.

From the Belleville Telescope: There is probably no stronger man in the state than Arthur Capper, and no native Kansan more deserving of recognition and honor than he. Leaving politics out of it, perhaps no Kansan has done more for his state—done more to put Kansas on the map—than the Topeka publisher. Mr. Capper would fit right into the office of governor as if he was made-to-measure.

From the Erie Record: There is a general belief over Kansas that a majority of the legal votes cast in 1912 were for Capper but the supreme court on a technicality, ruled that the votes in question could not be counted without the usual contest proceedings and consequently Mr. Capper has just waited. Now is the time to apply common business sense to our public service.

From the Shawnee Chief: There isn't a man in the state who has the confidence of the voters in a greater degree and ten years of close association with him as an employe have convinced the writer that that confidence is not misplaced. He doesn't make the mistake of promising a lot of things experience has demonstrated are visionary.

From the McPherson Republican: Arthur Capper was and is a progressive, as true and staunch as any one could dare to ask, yet there are those who would defeat his ambition to become governor of Kansas because he dares to run on the Republican ticket. Arthur Capper's devotion to Kansas and her people cannot be questioned, nor can his sincerity be doubted by any one who knows the man.

From the Salina Journal: There are many who believe that Mr. Capper was elected governor of the state two years ago, but he makes it clear in his announcement that he is not asking any favors because of any misconduct that might have been made then. True Kansas that he is, he seeks the support of Kansas voters, who believe in economical, efficient, progressive government and who have confidence in his sincerity and in his ability to give the state that sort of an administration.

WAGONS BUILT LIKE A BRIDGE
 Weather Has Little Effect On Them

Davenport Roller Bearing Steel Wagons, like modern steel railway bridges, do not decay or wear out. Made of steel "I"-beams, channels, and angles—weather conditions do not affect them. Wet or dry, hot or cold, Davenport Wagons are always ready for use. No cracked hubs, split felloes, or loose tires to replace or repair. No time or money spent on repairs.

Davenport Roller Bearing Steel Wagon

Gears are of high grade structural steel, like that used in railway bridges and modern "sky-scrappers." Axles are I-beams, with ends rolled down to receive spindles. All original strength is retained. No material is cut away. Gear parts are steel angles and channels, carefully built and braced so that the load is evenly distributed. No one piece carries more than it should. Put together with steel rivets. Inserted hot, not a single part or piece will come loose and rattle on Davenport Gears, even after years of use.

Steel Wheels Don't Shrink

Steel wheels, made with a tension, are the only ones used on Davenport Wagons. The weight of the load is always carried by all the spokes—each one doing its share whether it is at top, bottom or sides of the wheel. Strongest wheels ever put on a wagon.

Roller Bearings Reduce Draft

Roller bearings, straight spindles, etc., together with the accurate construction of the entire gear, reduce the draft to the minimum. These bearings make it possible to haul a load on a Davenport with two horses that would ordinarily take three.

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You don't take the wheels off a Davenport to oil it. Just push back the cover of the dust-proof oil cup and squirt in a few drops of oil—the cover closes automatically. Hardly a minute to a wheel—and the job is done.

New Book Free Read "From Man to Power" how roller bearings reduce draft, how neck weight is taken off the horses, and many other things about Wagons you should know. Send for this book today—just ask for book B12 and it comes free.

JOHN DEERE
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95 cents

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To advertise our business, make new friends and introduce our catalogue of Watch bearings we will send this elegant Railroad watch by mail post paid for **ONLY 95 CENTS.** Gentlemen's size, full nickel silver plated case, locomotive on dial, lever escapement, stem wind and stem set, a perfect timekeeper and fully guaranteed for 5 years. Send this advertisement to us with 95 CENTS and watch will be sent by return mail post paid. Satisfaction guaranteed or money refunded. Send 95c today. Address **R. E. CHALMERS & CO., 538 So. Dearborn St., CHICAGO.**

5 YEAR GUARANTEE

Announcement!

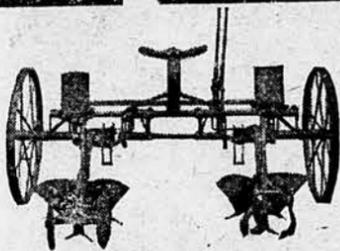
Farm Tools at Wholesale Prices

My famous Swanson-St. Joseph Plow Company's complete line of guaranteed Farm Tools and Farm Implements are now being sold direct from my big factories to you at actual wholesale prices. This means you can buy any Swanson Implement at exactly the same price formerly enjoyed by dealers, and represents an actual saving every thrifty farmer is keen to accept. You know personally or by reputation, the standing of the Swanson-St. Joseph Plow Co.'s line. You know the enviable scouring qualities they possess; the absolutely scientific lines on which they are built; the quality of the material used, and the workmanship employed in their manufacture. You know, too, the high esteem in which they are held by dealers, for since 1870—44 years—this famous line of farm tools has stood the test of every clime and condition. For 44 years thousands of farmers everywhere have used no other make—and 44 years of perfect satisfaction giving service is the best possible reason why you should buy and use Swanson farm tools and implements—not to mention the fact that every tool in our large and complete line is backed by a guarantee that means the machine must do all we claim for it or it comes back to us at our expense. You wonder, perhaps, why, after so long and such pleasant relations with the dealers, we have decided to sell our output direct to the consumer. Here's the reason in a nut shell: To give you—the purchaser—the advantage of the profit, knowing the saving you make will prompt you to buy more and later improved tools and implements in the Swanson line. Also for the reason that we have such a volume of requests for our implements in sections where we are not represented by a dealer—and from wide awake farmers who have learned from actual experience the saving they make and the pleasure they enjoy in dealing direct with us. A manufacturer can't carry water on both shoulders. He must either deal with you through your local merchant, or direct; and we prefer the direct method—because you prefer it—and because you can save money by the direct method.

I want you to know just exactly what my new Direct-To-You Selling Plan means and what it will save you. I want you to learn first-hand, and from me personally, the many superior points embodied in Swanson Farm Implements; why you should use them; and how they will increase your crop yield and crop profits. Send your name and address today for my new selling plan and descriptive booklet giving full and complete details.

H. S. Swanson
PRESIDENT

Use These Guaranteed Farm Tools 30 Days Free!



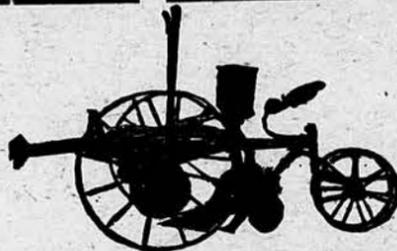
Swanson 2 Row Lister

It's the most practical lister (for six horses abreast)—will save the expense of one man. Not one has been returned to us in 30 years—it has upheld our every claim for it that it is the most practical, the best scouring, the most simply and durably constructed lister on the market today. Our new price now only..... **\$68.15**



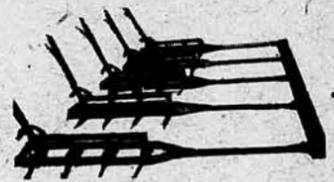
Swanson Steel King Cultivator

You have always wanted a cultivator equipped with an adjustable seat board that would allow the tool to work equally well in wide or narrow rows. The Steel King will do it perfectly and automatically. The seat board allows instant adjustment to any width row and 23-inch leveling device keeps each gang level with the ground, free from play. Discs and shovels work independently of each other, allowing any desired depth. Our new direct-to-you price now only..... **\$31.50**



Swanson New Comer Lister

A lister that three horses can pull with ease—is simplicity itself—has unsurpassed scouring qualifications, and greater and more uniform suction than any other lister made. Pulls with the same ease whether 2 or 6 inches deep. Is equipped with patented screw shaft allowing desired adjustment without stopping—has regular 3-horse eveners, rolling coulters and disc coverer. Our new direct-to-you price now only..... **\$35.65**



Swanson New Way Listing Harrow

Cultivate your crop before it is up—advance it 8 to 10 days—by using the "New Way" Harrow. The harrow that is a positive cut worm exterminator; that makes a perfect bed; cleans and prepares ditch for wheel disc cultivator; loosens and settles the ground, pulverizes clods; riddles crust and will cultivate 40 acres per day with one team. It is the one harrow for you—hundreds in use and every one satisfactory. Our new direct-to-you price now only (three section)..... **\$13.50** (\$9.00 additional for 5 section)



SWANSON COMBINED STEEL BEAM LISTER

The Combined Steel Beam Walking Lister is a combination of our famous walking lister and walking drill, embodying all of the distinctive features of the two implements. This lister comes equipped with extra handles and front wheel so that drill attachment may be detached and used as a walking drill, thus making two distinctive implements. This feature has met with the great approval of farmer users. Our new direct-to-you price now only..... **\$21.35**



KIRLIN TWO ROW SLED CULTIVATOR

For first and second cultivation of listed corn. The simplest and most practical cultivator on the market. A cultivator by which you may cultivate the corn when small, from half an inch up, doing the work in the most satisfactory manner—discs of finely tempered steel and easily adjusted, and knives of best plow steel. Neckyokes, fenders and doubletrees furnished with each cultivator. Our new direct-to-you price now only..... **\$24.00**



SWANSON PRIDE TWO ROW LISTER

A riding lister without a competitor. Any boy can operate it. Built especially for listing up wheat stubbles and also successfully used for listing where user expects to follow up with a planter. Simply constructed and will withstand the most severe strain. It is not necessary to raise the listers out of the ground when turning; two levers within easy reach of the operator lower and raise front beams. Our new direct-to-you price now only..... **\$55.15**

Send Today For My New Direct Price Lists!

Send your name and address today for new price lists, selling plan and illustrated booklet giving full and complete information regarding the Swanson line of Farm Implements and why you should use them. Don't buy any farm tool until you have received this information. Use the coupon, a postal or letter, but send today.

Remember: Every farm tool or farm implement included in my big, complete line is sold on 30 days' free trial on your own farm, by your own help, under any and every condition and on a positive "mean what it says" guarantee that it will do as much work and as good work as I claim for it, or your money will be returned to you without quibble or argument.

SWANSON-ST. JOSEPH PLOW CO.
ST. JOSEPH, MO.

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SWANSON-ST. JOSEPH PLOW CO.,
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Gentlemen:—Please send me, Free of cost and without obligation on my part, your new direct-from-factory-to-me price lists and selling plan.

Name.....

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A True Story About Indians

Something for the Very Little Children

BY ELCHINDE YAOLTA
Teacher of Children.

DID YOU ever see a real, live Indian baby or little papoose, as Indian babies are sometimes called? If you go to an Indian reservation you may see a dozen of them, but I will show you a picture of a contented little one, strapped to his cradle and the cradle carried by a strap across his mother's shoulders. And beside the mother stands one of the little school girls in her winter clothes. She has had a present of some nuts, "pinions"—called pin yones—and has gathered them up in her apron ready to carry back to the school.

Do you see the mittens hanging on the knitted string around her neck, and her stout shoes gray with dust? You will think this little girl has a queer name, for she has been named at home, and when her father brought her to the school, he said to the agent: "I bring my girl. She name Guadalupe Garcia Shosh"; so you see the white people call her by her Indian name "Guadalupe". Her father is one of the

plaintive voice, she went on to tell me about it in this way:

"You, Miss Teacher, you think you love these children, and I know you very kind, but you not know what a love this is," pointing to her sleeping babe, "it is a love that is like God's love over all the world. Mothers only know of such love; you teach children in school—that vary good—but mother knows it all days, all nights, all of her lifetime; she never forget. My grandmother told me of this long ago, no night but she think of all of them, no matter how far away—no day but she wish they are near—no time but she pray God keep and care for them. So much that she think of every boy as if he her own boy, and each girl she think of as one of her girls. It make all good and kind of a glad inside when you feel to folks that way.

"When baby first sick, I think I not try to ask God to care for us all, but night come. I, alone, listen to baby breathe, and see eyes open and close, I cry and pray for him, and see, he is sleeping so softly, and I hold my arms up to God, for He heard me. That makes me for to love all, Indian or white, or black. Do you love like that, Miss Teacher?" Little Guadalupe came to teacher and put her hand in hers, and leaned close to her and said slowly: "You kinda glad inside, eh, teach?" and the teacher said, "Yes, thank you, I am very glad inside of my heart that I came, for I have learned from your auntie and the baby of a kind of love I did not know before." She thanked the mother, and she and little Guadalupe hurried back to the school.

The man who makes his head save his heels keeps both in good condition.



"She name Guadalupe Garcia Shosh."

Indian policemen, and he is called "Shosh", which word means "Bear". Do you think it would be easier for us to call him "Mr. Bear" or "Mr. Shosh"?

How Indians Live.

Guadalupe was a happy little girl, and soon learned enough English words to talk to us, and she told us many interesting things about the way the Indians live. She told us this about herself:

Her mother died when she was a wee baby, and, because Mr. Shosh was a policeman, and away from home a great part of the time, he left her with her aunt, who is the Indian woman with the baby in the picture. The baby was her little cousin, but the Indians have a queer way of calling any of their cousins their brothers. So, when any one asked Guadalupe if her brother was here, she understood it all right, because she knew they meant her cousin.

Illness in Camp.

One night when she came running to my room to say that her baby brother was very sick, I knew it meant this little cousin. She was so eager to have me go to see the baby, and to urge me a little more, she said so earnestly: "Please your dear heart, you take me along. I be very good, all days of life," for they are always willing to promise to be good. And, bless their little hearts, they tried to be as good as possible whether they had promised or not.

We went to the camp, or tent where her aunt and the baby were, and found the baby very ill, and the poor mother trying to care for it. She was so glad to see and talk to Guadalupe, and so very grateful for the things we had brought. Holding baby in his Indian cradle and gently swinging him back and forth, she told us that he was a little better now, and, then in a soft,

How to Put On a Patch

THE SECOND SEWING LESSON.

When preparing the material for the first sewing lesson, which appeared two weeks ago, the question of age was overlooked; but there is an age limit for the girls who are to enter the contest. The girls who take part in the sewing contest and send in their models

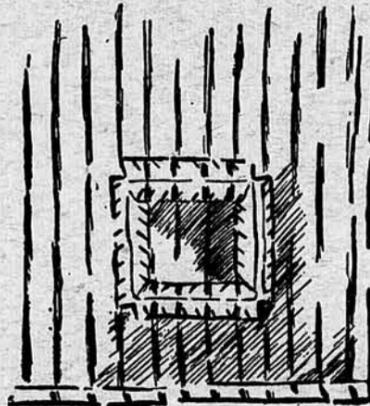
but if the goods is in strong contrast with white, use thread to match it.

The Overhanded Patch First.

Cut out an inch square in the material in the lower left corner, 1/2 inches from each edge. Cut the patch 2 1/2 inches square.

It is best to baste carefully when making these patches. Care must be taken to have the threads of the patch run in exactly the same direction as those of the goods. When making a patch near a seam or band, it is best to rip the garment and sew the patch in the seam.

The overhanded patch is not as strong as the hemmed patch. The illustration shows the wrong side of the patch. Make tiny diagonal cuts at the corners of the hole, so the edges may be turned back 1/4 inch. Be careful not to cut too deeply. Baste the edges of the hole back against the wrong side. Baste one edge of the patch back 1/2 inch, and, holding the two basted edges together, sew them together with fine "over and over" stitches. Pick up only a few threads at each stitch, so the patch will lie flat when finished. Do this on each side of the patch. Press the seam apart on the wrong side and overcast the raw edges.



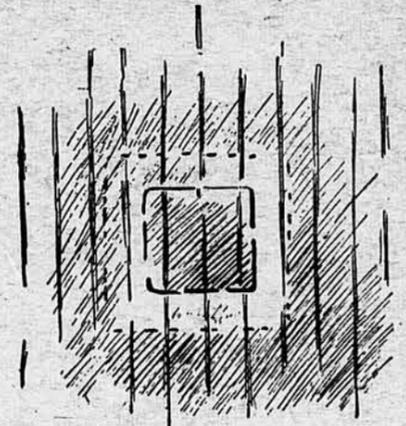
Overhanded Patch

to the sewing editor should be 16 years old or under. Girls over this age are asked not to enter. Keep your models until the four lessons have been finished, then send them all together to the Sewing Editor, as will be directed at that time.

Your second model will show two kinds of patching and the hemming stitch. For it, you may use a piece of light colored gingham without stripes or figures. It is much harder to make a neat patch on striped or plaid goods because each stripe must exactly match, as shown in the illustration. The piece of gingham is cut 5 1/2 by 6 inches. You will need patches of the same material, and thread of an appropriate color. For very light goods, white might do,

Hemmed Patches Are Strong.

The hemmed patch is the best kind to use for worn material. For this



Hemmed Patch

patch, cut a hole 1 inch square in the upper right corner, 1/2 inches from each edge. Clip little diagonal cuts in the corners as for the overhanded patch. Cut the patch 2 3/4 inches square.

Slip the patch underneath the hole so the threads run in the right direction, and baste it in place. Turn back the edges of the hole against the patch, so they do not show, and baste them into position. Turning over the goods, so you can work on the patch, fold the edges of the patch back 1/4 inch, so they are hidden and baste them also. When the patch is properly basted, there will be no raw edges in sight. Hem the basted edges neatly with small stitches and remove the bastings. This hemming is done just as the edges of the model are hemmed.

Trim the edges of the model. Fold the edges into a hem, turning it toward the wrong side. For the first fold, turn the goods back 1/2 inch. Turn again, making the fold a trifle wider this time, then baste, being particular about the corners. Hold the hem over the first finger of the left hand, run the needle through the material parallel with the fold of the hem, picking up one or two threads of the fold and one or two of the goods each time, keeping the stitches on the right side as small as possible, and the line of stitches straight. When picking up the threads on the goods, take them well under the fold so the stitches will not be noticeable on the wrong side.

A Correction.

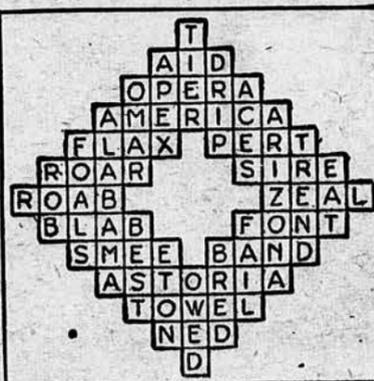
Someone may have had difficulty in making a French seam the way the directions read in the last lesson. Instead of placing the right sides of the two pieces together, as you were told, one must hold the wrong side of the goods together when beginning the seam.

A large per cent of summer troubles with chickens is caused by feeding too much fat-making food like corn and kafir. Wheat and oats are better.

A Puzzle For Mail and Breeze Boys and Girls



HERE you find illustrated the names of six birds. Do you think you can find them? If you can, forward your answers to the Puzzle Editor of the Mail and Breeze some time before March 17. For each of the ten best answers a prize of a package of postcards will be given. In awarding the prizes several things are considered besides the accuracy of the solution. The answer must be correct, of course. The letter must be neatly written, preferably with ink, and all the words spelled correctly.



If the letter is blotted and carelessly written it is almost sure not to win a prize even if the answer is correct. When writing, enclose no other business with your solution.

The illustration shows the answer to the puzzle which appeared in the Mail and Breeze of February 14. The prize winners are Vinton Sanford, Sabetha, Kan.; Sarah W. Pritchard, R. 1, Scandia, Kan.; Leola Holmes, Oakley, Kan.; Ruth Palmquist, R. 3, Lindsborg, Kan.; Jane Ipe, Lancaster, Kan.; Loren Smith, R. 3, Shoals, Ind.; Thelma Warren, R. 1, Hutchinson, Kan.; Heloise Borene, Randolph, Kan.; Norman Butterfield, Tonganoxie, Kan.; and Ethel Hopkins, R. 1, Tonganoxie, Kan.

Learn of the Pumping Plants

BY H. M. COTTRELL.

The mistakes in selecting power for pumping are almost as numerous as the number of places where irrigation is done by pumping. Most farmers who put in their first pumping plants without the advice of experts, have to change their engines within a year or two. Usually an engine is selected that furnishes about half the necessary power. Sometimes an over-generous man will install an engine having a large excess of power, thereby largely increasing the cost of raising the water. Gasoline has become so high that a careful study of the cost of other oil fuels for power should be made before an engine is purchased.

Reliable information can be easily obtained. The United States Department of Agriculture, Washington, D. C., has many experts in irrigation and their advice can be had for the asking. The Kansas Agricultural College, Manhattan, Kan., has an irrigation expert who is glad to be consulted by citizens of his state in regard to irrigation problems.

Deere & Company, Moline, Ill., the International Harvester Company, Chicago, and Fairbanks Morse & Company, Chicago, have experts in pump irrigation who are glad to assist in every possible way the men who want accurate information on these problems. These firms have branch houses scattered all through the West, and are therefore easily reached.

The American Well Works, Chicago, with district agencies in Kansas City,

use a combination of grasses. In your section of the state I would recommend a combination of about twelve pounds of orchard grass, ten pounds of meadow fescue, eight to ten pounds of sweet clover, and four to five pounds of alfalfa to the acre. It would be advisable not to mix the seeds in sowing, but to sow each separately.

The grass seed may be sown this spring as soon as the seed bed can be prepared. I am sending you a copy of Bulletin 175 on grasses, which will give you information regarding the preparation of the ground and other valuable advice regarding the handling of grasses for pasture. L. E. Call. Kansas Agricultural College.

A Boy Wins At Mulvane

Guy Blair, a high school boy at Mulvane, Kan., won first prize in a cow-judging contest recently in competition with his father and 75 other farmers. The contest was held on the dairy farm of Ex-Governor W. R. Stubbs. It came at the close of a five-day dairy school, conducted recently by the extension division of the Kansas Agricultural College.

The farmers became much interested in this school and decided they should have some small prizes offered for the judging contest at the end of the week. They put up \$10, which they divided into seven prizes, and then a high school boy stepped in and carried off the honors.

Many of the farmers knew a good

ONE WAY OF LOOKING AT IT

The object in putting foreign farm products on the free list was to lower prices and aid the consumer. It is already apparent that this part of the Underwood tariff is working. At the same time a vitally important matter for the consumer and the nation to consider is the undeniable fact that in proportion to our growth in population we have fewer farmers every year; that more and more of those that are left are tenant farmers. The question is will it pay the nation, for the temporary advantage in lower food prices, to make the rewards of the farming industry less attractive at home; for us to produce less and less ourselves and rely more and more on the cheap lands and cheap labor of South America and other countries for our food products. How long will it be under these circumstances before we shall have to pay more for the shipped in stuff? The other alternative is permitting the stimulus of the better prices of the last few years to aid us in building up our farm industry, to encourage co-operative marketing, to make it possible for tenant farmers by co-operative farm credit to become farm owners, and so increase the number of farmers and the quality of the farming, and get our lower prices through better distribution and home competition in the home market. Which is the safer and better proposition?

Dallas, Denver, St. Louis and St. Paul have a number of competent pump irrigation experts and are glad to furnish accurate advice.

Layne & Bowler Company, Houston, Tex., have installed 2,300 pumping irrigation plants and the food products from the land irrigated by these plants are estimated to be worth 11 million dollars annually.

The Beatrice Mill Manufacturing Company, Beatrice, Nebr., have established a bureau on pump irrigation whose services are free to the farmers of the Southwest.

The Gould Manufacturing Company, Chicago, and the Western Pump and Engineering Company, Chicago, are glad to furnish reliable advice on installing pump irrigation plants. Many of the manufacturers of gasoline and oil engines will furnish information along these lines.

The General Electric Company, Henry B. Worthington Hydraulic Works, and H. M. Bylesby & Co., all of Chicago, will furnish information on pumping by electricity.

Most of the companies mentioned have valuable literature on pump irrigation which should be studied by those intending to install plants.

Concerning Pastures at Peabody

What is a good grass for pasture in this section of Kansas?
S. K. WARRENSBURG,
Peabody, Kan.

It is not an easy matter to get a good pasture in this state. The best practice in seeding grass for pasture is to

use a combination of grasses. In your section of the state I would recommend a combination of about twelve pounds of orchard grass, ten pounds of meadow fescue, eight to ten pounds of sweet clover, and four to five pounds of alfalfa to the acre. It would be advisable not to mix the seeds in sowing, but to sow each separately.

The boy set down at the top of his paper a one-line statement of what he thought of the head of cow No. 1. Next he went to cow No. 2 and wrote his decision of her head. Then he judged the head of No. 3. Returning to No. 1, he followed the next point through in the same way. When he finished he had a systematic comparison of the three animals; he had discussed every point from the head to the tail of each, and he had it down on one sheet of paper.

More than 100 farmers attended this dairy school; 75 of them were there for the five days. The high school class in agriculture also was there regularly. Some of the men came out of curiosity, at first; but when they found that something worth while was being given, they got into the work. The only cost to the farmers was the expenses of the instructors.

It Brought Results.

We find the Mail and Breeze to be not only the best all around farm paper but the best paper in which to advertise. We had more orders from our ad. in the Mail and Breeze than from all others combined. A. Manley. Cottonwood Falls, Kan.

Quality crops are the kind to grow, provided you can grow a quantity of them.

Tom Profit's Garden

—like to work in my garden—'cause I love to see things grow, an' I'm partial to the flavor of dewy-fresh vegetables. I've always used Keen Kutter garden tools, 'cause there's somethin' about 'em 'at saves a feller's back. They've the right feel in your hands, too. I can't explain it, but those Simmons people put somethin' in their garden tools that helps me get better crops out of my truck-patch. Guess it's 'cause I like to use 'em.

KEEN KUTTER
Garden Tools

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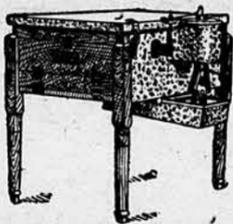
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Tells why chicks die. J. C. Reefer, the poultry expert of 1589 Main St., Kansas City, Mo., is giving away free a valuable book entitled "White Diarrhoea and How to Cure It."

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500 CHICKS 50c. About 65% incubator hatched chicks die of bowel trouble. Whartenby's Wonder Baby Chick Saver guarantees 95 per cent of hatch.

CHICK PROBLEM SOLVED. Nature intended that chickens warm themselves with body heat evenly distributed by feathers--man attempted to undo nature by supplanting artificial heat--result--large losses--weak chicks.

Birds For the Breeding Pen

The Value of Selection in Poultry Raising

BY W. A. LIPPINCOTT, Poultryman, Kansas Agricultural College

THE average hen lays only 75 eggs a year. These 75 eggs, at the average price, would be worth a little more than a dollar. At the present price of feed, it costs all of \$1.50 to feed a hen for a year.

It means that men who expect to make money in egg production must select for layers hens that are above the average. In almost every other line of stock, selection is being carefully carried on.

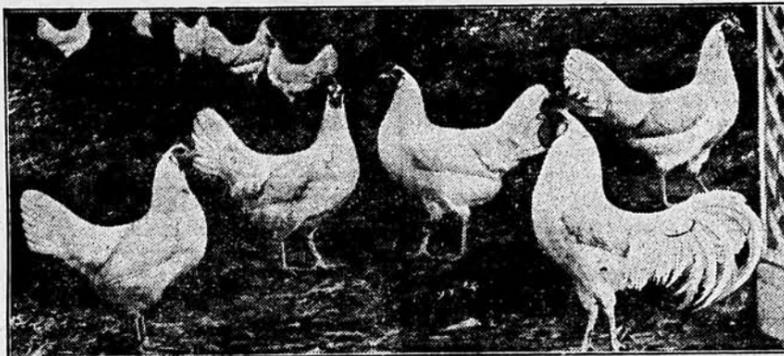
There are several difficulties that surround the selection of high-producing hens. The individuals are small. Their production, compared with cows, for instance, is also small.

scratching around after the sun has gone down and all the other hens are on the roost, are the ones that will give the largest records, if you will but go to the trouble of trap-nesting. They are in constant need of raw material to make the finished product, eggs.

It is equally true that the hens that sit around all day or go to roost early are the ones that are keeping the state's average production so low. When a hen lays an egg she reproduces herself. A hen will reproduce herself most when she is happy and contented.

Quality, Not Quantity, Counts

A great many poultry raisers have a tendency to overdo the business. Settle first for yourself what time you can devote and the capacity of your equipment and size your flock accordingly.



The five birds in the foreground make up the pen winning first prize in the Coliseum show at Chicago. The birds are owned by the Flanders White Leghorn Farm at Orchard Lake, Mich.

ual hen. So that from a general farmer's standpoint, trap nests, the one accurate way of getting at the big layers, are out of the question. The fact that the individuals are so small also makes it difficult for even those who have given the matter considerable attention to select by type.

In the first place, it goes almost without saying that in order to stand up under the strain of heavy production a hen must have a good constitution. A dozen eggs should weigh a pound and a half. In some states the weight is set by law. A hen that lays 12 dozen eggs has to eat enough food, grind, digest, and assimilate it, to make three times her own weight in eggs.

The big layer generally has a long body, that is deep in front and deeper yet behind. This is natural, for the eggs are manufactured in the back part of the body, and the hen that has several eggs growing at once needs the room. At the same time, the healthy, vigorous layer is going to have her toe nails worn off nearly down to the quick, because when she isn't on the nest she is hustling for something out of which to make more eggs.

may have a great deal more other work to do. It is better to hatch 100 well-bred chicks and have the majority of them come up hearty and strong in the fall than to hatch 500 and have half of them succumb to lice, diarrhea, etc., and the rest be serawny, dilapidated looking fowls.

When a person has plenty of time there is nothing else that brings in the reward for money invested that a flock of chickens does and there is no limit to which it may be carried. I think the raising of early broilers pays better than any other branch of the work.

Select good eggs from a healthy flock and set your incubator in a well ventilated cellar or room with an even temperature. Then follow the directions given with the machine. It is seldom necessary to use much moisture in the early spring. High temperature will cause more damage than low. Unless the thermometer is much below 103 degrees for a continuous length of time, no bad results will follow.

Alfalfa is the best green feed for growing chicks as well as mature chickens. Use as a litter the shattered leaves swept up in the hay loft and you will be surprised at the amount consumed. Alfalfa meal mixed with bran and fed in hoppers is also fine.

Abilene, Kan. Mrs. M. Keep the pig troughs clean and free from ice. Feed no frozen swill. Just clean fresh water makes the best pork.



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Housing and Feed For Profit

We favor the open south front hen-house. Our house is 12 by 24 feet, 9 feet high in front and 5 1-2 feet in the back. It is divided into two parts. Sixteen feet are cut off at the west end for roosting. The roosts are made on the swinging plan and hook up in front while the house is being cleaned and sprayed. The roosts are 4 1-2 feet from the ground and below the roosts we have the open front covered by wire. The north, east and west sides of the house are made tight. Eight feet to the east is the laying department which is made with a little hall and inside door. This laying department is made closed in front as the hens like a dark place for laying.

We have 115 hens and pullets and are getting from 16 to 20 dozen eggs a week. In order to have good success with poultry they must have good care. They must have plenty of muscle, shell and sand by them at all times. We have a feed trough for bran and it is covered with chicken wire to prevent waste of feed. Plenty of clean fresh water at all times with grain feeds such as milo, kafir and shelled corn once in a while all help to keep them in good condition and laying trim.

We spray with bucket spray to keep lice and mites away. A good spraying material is 10 quarts of soap suds, 2 tablespoonsful crude carbolic acid and 1-2 pint of coal oil. If the house is kept cleaned out and sprayed with this spray, there will be no pests.

Mrs. Minerva Lamb.

R. 3, Neodesha, Kan.

An Oklahoma Poultry Income

We had 125 chickens at the beginning of 1913. During September and October we sold 87 hens, 4 roosters and 2 capons which brought us \$36.83. During the year our hens laid 975 dozen eggs. We sold 113.85 worth of the eggs and used the rest at home and for setting. We ate several hens and a few died, so at the end of the year we had 20 hens and about 50 pullets. We kept no account of the feed used but I am sure the eggs and chickens used at home amply paid for that, so we had a clear profit of \$150.68 at the end of the year.

Mrs. W. R. Groves.

Woodward, Okla.

When Hens Do the Hatching.

In selecting eggs to set I pick out the nice, smooth, thick shelled ones. I turn them over about every two days if I have to keep them for several days before setting. I make a comfortable nest out of old straw and dust it well with insect powder, which I make by using 3 parts of wood ashes, 1 part sulphur, 1 part soda and sometimes a little cayenne pepper. I also use this powder freely while the hen is sitting. Coal oil is also good to use but it must not touch the eggs. I put it in the bottom of the box and cover it with the straw.

I give each hen about 16 eggs. When the eggs are ready to hatch I sprinkle the nest with warm water and keep it moist until the hatching is done. I hatched 200 chickens last spring and lost only about 10 in the nest.

I do not feed my young chicks until they are about 48 hours old. This keeps them from having bowel trouble and they are always healthy as a result. I give them bread until they are four or five days old and then feed cracked and whole milo. Onion tops chopped up are also good. After they are several days old I give them sweet milk to drink and feed them almost anything. I have had good luck with my chickens with these methods.

Temple, Okla. Farmer's Wife.

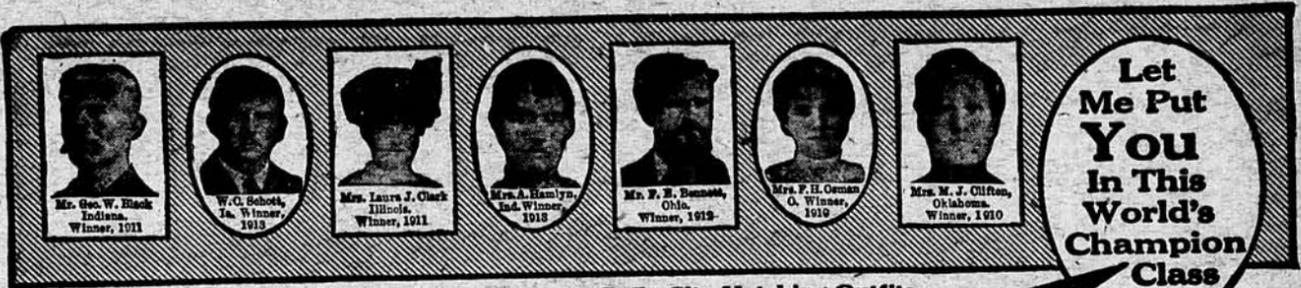
We need pasteurized swill barrels as well as pasteurized milk in the hog lot.

To Prevent White Diarrhoea

Dear Sir: I was losing my young chicks last year by the dozen, when I noticed Walker's Walko Remedy recommended by a lady. I sent (M. O.) for two 50-cent packages to the Walker Remedy Co., L-12, Lamoni, Iowa, and can say that it not only cured all the sick ones but checked and stopped the disease, White Diarrhoea; and I had fine luck with my later hatchings—raised practically all of them.

Mrs. C. C. Jones, Blackwater, Mo.

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This is the "Tycos" Cup won by my Belle City Incubator in the Championship Contest for the best hatcher, beating incubators costing two to five times more.

GET the whole story of these Championship hatches with the Belle City. Get the stories of thousands of men and women who are getting 100% perfect hatches. Over a quarter of a million Eight-Times World's Champion Belle City Hatching Outfits are in use. Satisfy yourself. No other incubator made—not even the highest priced—approaches the amazing records of my Belle City. I have the letters of owners to prove it. Many of these letters are printed in my free book, "Hatching Facts." They tell you how Belle City owners are making the most money in the Poultry Business. How you can make big profits on a small investment. You certainly want this book. It illustrates and describes

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in actual colors. Great big illustrations give you an exact idea of the kind of Hatching Outfit the wonderful World's Champion Belle City is—the kind used by all of the Belle City World's Champion Prize Winners—the kind chosen by the U. S. Government Department of the Interior—the kind used by leading Agricultural Colleges—the kind that won the gold lined Silver "Tycos" Cup. Get full information, proofs and all particulars.

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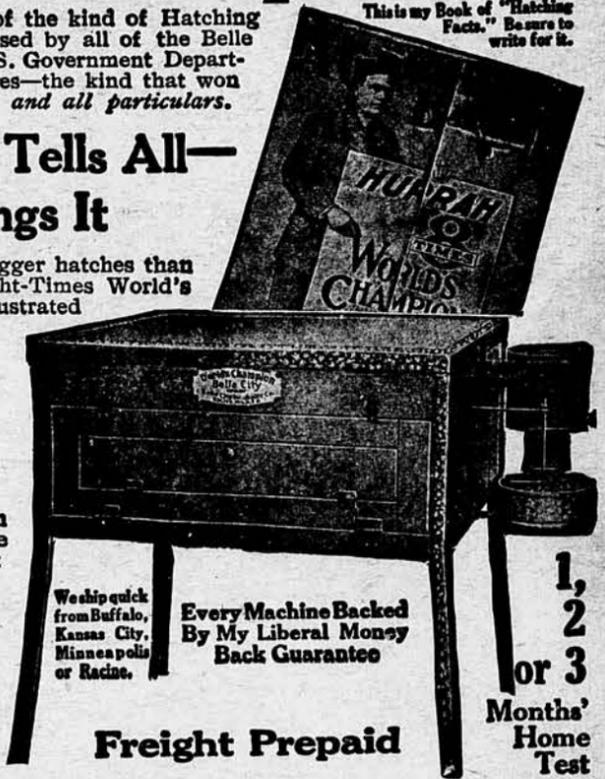
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I build a good, practical hot-water heated incubator, that will hatch even if the room is at freezing temperature.

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We are reliable; have been in business sixteen years, and back our machine with a strong 5-year guarantee. That would otherwise go to waste. The Sure Hatch Incubator will enable you to hatch chicks in winter, to get the highest early Spring prices. Machine will be shipped to you by first fast freight the day your order is received.

A postal card brings you by return mail my Big Free Catalog, giving full description of Sure Hatch Incubators and Brooders; also prices of the different sizes.

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"I have one of your 100-egg Sure Hatch Incubators and the longer I use it the better it hatches. I took out a hatch yesterday of 147 chicks from 150 eggs. Am well pleased with my machine, after 8 seasons use."
Mrs. Anna B. Hill, Hanford, Cal.

Cabbage Growing Pays Well

Irrigation Will Materially Increase the Yields

BY E. H. BENNETT

THE essential thing in cabbage growing is to have land that is well supplied with nitrogen. The other elements of fertility are of less importance to this crop as the cabbage is a leaf rather than a seed producing crop, consequently a leaf producing fertilizer is desirable. The cabbage plant is also a gross feeder and can utilize any coarse fertility that may be in the land, providing sufficient cultivation is given.

or worm that eats the leaves of the plants. These larvae are the young of any one of three or four different species of butterflies. They are easily susceptible to any arsenical poison and can be readily treated by dusting the plants with a mixture of air slaked lime or flour and Paris green.

It is a safe rule to plan on sowing the seed in cold frame, hot bed or greenhouse from seven to eight weeks previous to the time the plants are wanted for setting in the field. One of the essentials for success in this work, as is also the case with other crops where the plants are grown for transplanting, is to have good strong healthy hardened plants for setting. The greatest danger for any crop, the plants of which are transplanted in spring, is that the plants may have been grown too rapidly and are not sufficiently hardened off when set in the field to stand the possible cold weather that may follow.

It has been said that using Paris green on cabbage made them dangerous for food, but investigation has proved that even where considerable quantities of Paris green were used, it would require the eating of a large quantity of cabbage leaves to get sufficient poison to cause harm. The fact is, that poison placed on cabbages during the growing season never gets into the head as the head or bud grows from the center, consequently the leaves that are poisoned during the growth of the plant are the old, useless leaves that are discarded when the head is marketed.

When to Set Cabbages.

For late cabbage growing the seed should be sown in drills in the open, where the plants can be watered, about six or seven weeks previous to the time the plants are needed for setting. Just when this setting shall be done, as with the early cabbage, depends on the district. Probably in latitudes of southern Kansas and Oklahoma cabbages set the first of August would mature without trouble, providing they can be kept growing during the dry season. With late cabbages it is desirable also to set plants close together to avoid overgrowing the heads.

After Plants Harden.

When young plants have been sufficiently hardened off they should be able to stand 10 or 15 degrees of frost in the field without injury. When land is prepared for the cabbage it should be marked out in rows from 20 to 26 inches apart. These rows or ditches should be made deep enough to carry the irrigation water without flooding the ground. Some growers set the plants ahead of the irrigation water, others allow the water to keep ahead of the transplanter and set in the wet soil. Many think that setting cabbage plants by hand is a laborious and costly proposition, but the growers in the irrigated district find that two boys can without excessive labor set one acre or 14,000 plants a day. When this number of plants is used the rows will have to be from 24 to 26 inches apart with plants about 14 inches apart in the row.

The varieties of both early and late cabbages vary somewhat with the demand and market conditions. The Wakefield varieties of cabbage are desirable for early market, although the Winningstadt is also used to a considerable extent. For late cabbage the Danish Ball Head, Round Head, Flat Dutch and Drum Head cabbages are used. For home use the Savoy or crinkly leaf cabbage is much more tender and desirable, but is not commercially profitable.

It is always found desirable with irrigated cabbages to have plants close together so as to avoid the overgrown heads which are not desired for market purposes. A 3 to 6-pound head is much more desirable for the market than one weighing from 10 to 20 pounds. After plants are set they should be cultivated as soon as it is possible to work the land. This is not so much a matter of keeping down the weeds as to make available the plant food of which the plants are always in need. A cultivation once a week until the plants are too large to get through the field with the cultivator is not too much. This is best done with the fine tooth cultivators such as the Planet Jr. 12-tooth or the Iron Age.

No Other Farm Paper For Him

I have taken the Mail and Breeze for five years and have found it so well adapted to the agricultural needs of this country that I have dropped all other farm papers published in the West as unnecessary expense.

R. 2, Wakita, Okla.

I am glad you called my attention to the fact that my Mail and Breeze subscription had expired, as I could not do without it. Of all the farm papers, I take, I prize the Mail and Breeze most.

Baldwin, Kan.

I think the Mail and Breeze is the best farm paper I ever read.

R. 6, Burlington, Kan.

The Mail and Breeze is the best farm paper in the world.

Enterprise, Okla.

I have taken Mail and Breeze for a year and consider it the best farm paper we take.

Victor, Kan.

Better Drainage In Jackson

Straight creek, a crooked, meandering Jackson county stream, is to be straightened. The contract has been awarded to R. S. Morrow, of Council Bluffs, and work will begin at once. H. B. Walker, state drainage engineer at the Kansas Agricultural college, will supervise the job. When the work is completed, five and one fourth miles of creek will be reduced to two and one fourth miles; and a great deal of fertile land, that now lies waste, will be brought under cultivation.

If you had a damp house this winter and your fertility is low now, it will be a long step in advance if you put two and two together and make four. See that the house is dry next winter.—W. A. Lippincott.

Using a Shovel Plow.

After the first cultivation a shovel plow will need to be run between the rows to open up new ditches for irrigation, providing any irrigation is needed before the next cultivation. As the plants advance in size it is best to see that the ditch between the rows is of sufficient depth so that water can readily be run through without blocking as there is a tendency to do when the leaves of the plants interlock. The cabbage plant can stand a considerable quantity of irrigation water, providing the drainage is good, but if water is allowed to accumulate in pools or ponds on the soil without drainage, the plant quickly stops growth and turns yellow. The part of cabbage growing that makes the expense low is the cheapness with which harvesting is done. For shipping, the heads are simply chopped off the plants with a heavy knife and thrown into a wagon which is used to haul them to the shipping point.

In these districts comparatively few diseases attack the cabbage. Occasionally bacterial black rot causes trouble, but has not been serious during many seasons. The club foot disease of the East has never to our knowledge given any trouble in the semi-arid districts of the West. The most troublesome insect pest is the green cabbage larva

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Do Your Cows Pay the Bills?

One Third of Those in Kansas Are Star Boarders

BY A. S. NEALE
Kansas Agricultural College

THERE probably is not a herd of cows in Kansas that does not contain a considerable number of unprofitable animals. Usually it has been found, when herds are tested the first time, that about one third are not paying for their feed, one third are barely doing so, and the other one third are making the profit. That has been the condition in herds that were paying expenses. Many herds are not doing this and we are quite sure that they have more than one third that are in the non-paying class; and that only a small percentage of the cows kept in Kansas pay the cost of feed and care.

Kansas has been noted for many years for the excellent quality of her other livestock. Her horses, hogs, sheep, and beef cattle have won in the largest shows in the world. We have, however, given practically no attention to the production of good dairy cows. The fact that the average Kansas cow produces only 120 pounds of butterfat in a year is evidence that we are using the poorest sort of scrubs for dairy purposes. This is not fair to the dairy business.

New Methods Needed.

No man could produce hogs at a profit if he were obliged to use the old, primitive hog of a hundred years ago. He would have no idea of making a profit if the Texas longhorn were the type with which he had to deal. The plug horse, and the cayuse have been replaced with excellent types of draft horses, but the average man, in Kansas, is still milking the same type of cow that his great-grandfather milked one hundred years ago. The fact that there are so many cows of this type milked is one of the best arguments of the profitability of the dairy business, and yet the fact remains that the opportunity for profit is very small compared with what might be realized with good cows.

The highest yearly records made for production by any cow in the different breeds of dairy cattle are 27,404 pounds of milk and 1,058 pounds of butterfat for the Holstein; 18,782 pounds of milk and 962 pounds of fat for the Jersey; 23,022 pounds of milk and 917 pounds of fat for the Ayrshire, and 18,602 pounds of milk and 957 pounds of fat for the Guernsey.

In contrast with these the average Kansas grade cow, such as is kept on most farms, produces only 3,405 pounds of milk and 121 pounds of fat. The original wild cow probably gave no more than half so much milk as the Kansas grade cow. Man has taken this primitive cow and brought her up to the present standards of dairy cattle by years of selecting and breeding. The man who desired a larger production of milk and butter selected the cows that produced the best and used these as a foundation.

This selecting and breeding was carried on in several countries resulting in breeds differing considerably in color, size, and richness of milk, showing that the breeders had different ideals. It is a notable fact, however, that the high producing cows of the different breeds are very similar in conformation. This similarity has given rise to what is known as the dairy type. One of the first essentials in building up a dairy herd is to recognize this type. The man who neglects it can never hope to have the best results.

The Ideal Cow.

The cow of good dairy type may be described as one having a long, deep, wide body, giving her large capacity for feed, combined with thin covering of flesh; light quarters, thin shoulders, lean neck, wide loin; long level rump, and large, well-balanced udder with large long, crooked milk veins. She should have, in addition to this, bright, clear, prominent eyes, a mellow skin, a soft coat of hair, and medium fine bones. There are various so-called fancy points about the different breeds which differ somewhat with each breed, but in general, all high-producing cows of any dairy breed have this same general type. A cow of this type as a rule has an ability to consume a large amount of feed and a tendency to turn that feed into milk.

The importance of selecting for produc-

tion should not be forgotten in the study of type. Nothing will pay so large an income on the investment as will a pair of scales and a Babcock tester costing \$10. With this outfit must be a record sheet where records can be kept of the milk produced from every cow and of the results of the butterfat test which should be made from two to four consecutive milkings, at least once a month. While it is not necessary to weigh each milking to arrive at a fairly accurate estimate of the amount of milk produced for the year, I believe the dairyman who takes the small amount of time necessary to do this will be amply repaid.

The development of the dairy breeds was comparatively slow until the Babcock test for butterfat was discovered, 20 years ago. This made the keeping of records comparatively easy and led the different breed associations to organize what has since become famous as advanced registry work. There had been no accurate way of establishing official records, previous to that time but the average production of the purebred herds in the country has increased 25 per cent since then.

Milk Breeds and Feeds

I agree with S. A. Myers that every farmer should have a bunch of dairy cows. They bring a nice income every week. I have tried all kinds of breeds but like the Holsteins best and now have 21 full blood, and high grade cows. With my new separator I am realizing good profits. I expect to sell all the grades and buy registered Holsteins.

One reason I like the Holstein is that their steer calves are large boned and make good vealers. They also give a large amount of milk which is very valuable as a feed for hogs and chickens. The more milk chickens get the more eggs they will lay. I think alfalfa is fine for the dairy cows. I should like to know whether it would pay to feed cottonseed cake and if so, how much should be given at a feed.

Soldier, Kan. Everett Dooley.

Our correspondent does not give the feeds he is using or the prices of those feeds and cottonseed cake so it is impossible to give a direct answer to his question. It pays, as a rule, to add some protein concentrate, such as cottonseed meal or linseed meal to the grain ration fed to dairy cows. This is true especially when some leguminous hay such as alfalfa does not form a part of the roughage ration.

Cottonseed meal is a good feed to use in connection with silage. The feeder should remember that silage is a roughage rather than a concentrate. Care should be exercised when feeding cottonseed meal in a dry ration as it is constipating in effect. It is generally considered not safe to feed more than 2 pounds a day to a dairy cow.

The grain ration that is fed to the cows at the Kansas Agricultural college consists of a mixture of 4 parts corn, 2 parts bran, and 1 part linseed meal. If cottonseed meal is cheaper it can be substituted for the linseed meal. A good rule to follow is to feed all the roughage the cow will eat and 1 pound of the grain mixture for every 3 to 4 pounds of milk the cow produces.

Milk Stool Reflections

Whether times are hard or prosperous a herd of good cows on the place is always good insurance.

Why not tell us of your success or failures in the dairy business? Either will teach our readers something.

Experiments have shown that when a cow's udder is washed and dried before milking, from 90 to 95 per cent of the dirt is kept out of the milk that would otherwise get in.

A heifer calf or yearling that shows any signs of dairy quality is pretty safe buying these days. By keeping one's eyes open a really promising animal can be picked up every now and then at a reasonable price.

One never realizes the value of his timber until his wood-lot is gone.

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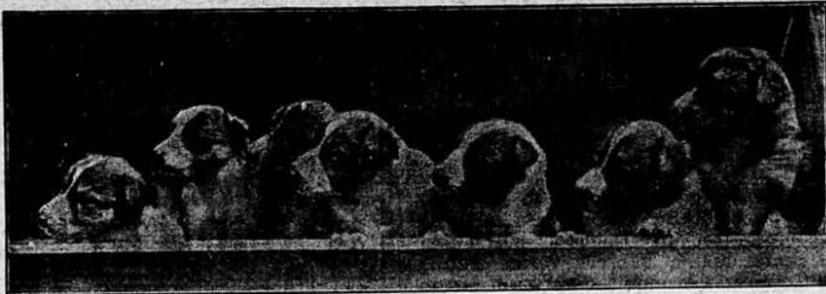
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The Best Dogs in Kansas

Little Stories Written by the Boys and Girls Who Own Them—Most of the Dogs Live on Farms

(First Prize.)
I HAVE trained my dog myself without one bit of help from anyone. He'll do anything I tell him to with the exception of one thing, and if any dog could do more than that, I don't see how. The one thing he won't do is to bite or kill any little baby thing—little pigs or rats or rabbits. If I try to get him to, he will take his nose and stir them around and lick them, but any thing else, he will do just as I tell, him to. He rides the horse and always tries to get in the saddle. We both ride to school, and then he rides the horse back home alone.

One time when I was not so old as I am now, we were out in the yard together, and there he saw a great big snake on the ground right close to me. I did not see it, and anyhow, I didn't know what snakes were. But Shep gave me a bite on the leg, and then he barked and caught that snake and threw it up in the air. By that time mama was there, but Shep killed the snake. He didn't take his eyes off its head.

As far as common show tricks go, he does all of them, like jumping rope, and he jumps through a hoop, plays ball, and swings in a rope swing as high as any of us.

In the summer I make a pop stand out of boxes and he sits on a box and sells pop and always shakes hands with every customer. That sure makes the other children laugh.

You see I haven't any brothers or sisters to play with, and it would be mighty lonely out here on a farm without a dog. I don't think it is right to tax dogs, for where would a little fellow like I am get the money to pay it if his papa didn't happen to like dogs?

Last September we had a sale and sold most of the cattle, and sheep, and Oh my! such a lonesome dog! When we all went to town after that, he would go to his rope and want to be tied up. He acted as if he just couldn't stay there alone unless he was tied up.

I have a little farm wagon that I hitch him to, and part of the time I let him ride. He catches popcorn in his mouth and when we throw it to him very fast his mouth pops, and that makes the kids all laugh. Then he laughs too—he does now, that a fact. He climbs up on a spring seat on top of a third box, on a hay rack, or goes up a ladder. I guess I'd better quit or this will never be read, but if it isn't enough, I can tell you lots more. But you needn't think I'd sell my dog. He's one of our family.

Orrin W. Pautz, Parsons, Kan.

Who Wouldn't Like Diamond?
I am a little girl and live in the country. I love my pets very much. My dog is a little black and white spotted dog—a little beauty, and a curiosity to the entire community. When I get sad and run off to the

back grounds to weep away my sorrow, Diamond—for that is my dog's name—will follow behind me until I sit down. Then he will come around to my feet and lay his head in my lap and begin to whine and howl until at last my blues will be entirely gone, and I will jump up and go back to the house. Then Diamond jumps up in my arms, barks, and runs to open the gates for me to go through. He will untie my shoes, jump rope, carry in the wood, and drive cattle. He will guard the house when I am here alone. When I am riding my little pony and drop my bonnet, Diamond will pick up my bonnet, then run and jump on my pony, drop my bonnet in my lap, and jump down and go off hunting. If you don't believe this, write to most any business man around here. He will also put anyone from the place when I tell him to, or tear them all to pieces.

Albany, Okla. Pearl Horne.



Neva says Shep looks like a bear in this picture.

Shep Makes a Good Horse.

I have a dog I call Shep. I have a cart and harness and I go after the mail. The box is a mile away. I also drive to the neighbors. When I say "whoa" to her she stops and when I cluck to her as they do to horses, she starts.

My sister, Nina, and I had our pictures taken with her and the cart and I will send it to you. It isn't a good picture of my dog, for she has such long hair, and the wind was blowing and it makes her look like a bear.

A Dog That Works.

(Second Prize.)

I think my dog, Sport, is the brightest dog in Kansas. I began to train him when he was quite small. He does a few small tricks, such as sitting up and begging, walking across the floor on his hind feet, jumping over sticks and shaking hands. His greatest stunt, though, is pulling me around town. I weigh 85 pounds and have an untually large express wagon, almost twice as large as an ordinary boy's express. We live 10 blocks from down town, and as I am a cripple, he pulls me down every day to sell papers on the street.

He does wonders on Thursdays. I sell the Saturday Evening Post, and have 25 regular customers to deliver to; then I go up to the college to sell papers there—a mile and a quarter from town, with from 50 to 100 papers. It is uphill pulling, and papers are heavy I'll tell you. Altogether, he pulls me from 8 to 9 miles, counting 12 blocks to the mile. It doesn't seem to tire him so much either, as he is always ready to chase a cat or a squirrel when I get back.

He understands everything that is said to him. I don't have to command or to scold; I just speak to him as I



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J. M. Baier, Elmo, Kan.
(Shipping Point, Abilene, Kan.)

would to a person and he does anything that I say. He understands not only English but Hog Latin as well. He obeys when I speak to him in that tongue. I haven't gone to many fires, but he knows the fire bell, and the moment it taps he comes, running, eager to be off, and away we go. He is never the last one there, either. He often races with automobiles and street cars, and keeps up with them for long distances.

Whenever I go to a show or go in to get warm, he guards my papers. People can pass back and forth as much as they please, but they mustn't touch my wagon.

Once in a while some kindhearted lady will come up and say, "Why, the dear little doggie is asleep." I tell her to touch one of my papers if she thinks he's asleep. They never risk it.

He is very particular about his bed. If he can't sleep on the cushion in the wagon, he will stand up and sleep. He often goes so sound asleep standing up that he falls over. I have been trying to train a larger dog to pull me around, but Sport doesn't like that.

Sport can't be beat for intelligence. If I had the time, I could teach him more tricks. Verne Sandell.

Manhattan, Kansas.

This Dog Can Sing.

My dog will sing when I tell him to. I blow on the mouth harp and he helps with the music. The name of my dog is Rowdy. He is a fullblood Scotch Collie. He will kiss me when I tell him to.

Lloyd Cauldwell.

Matfield Green, Kan.

This One Can Climb.

[Third Prize.]

My dog's name is Pug. He is a handsome dog with a dark brown coat and lovely brown eyes, so kind and intelligent looking. He will run and play baseball or ante-over. I'd rather play ball with him than with most boys, for no matter how far the ball goes, he will bring it to me. In ante-over, he will catch the ball in his mouth 9 times out of 10, and bring it to me each time. He can roll a hoop, and jump through loops and rings. He can jump seven feet straight up in the air, and he can climb an apple tree after a ball if it lodges there. He will jump on a horse's back and ride. He will play leap frog over me, go into the river after anything I throw.

I am a cripple boy, so cannot get around to train him very much but he is so good to me. I tell him to bring me a chair, and he drags one to me. He will get up on a chair and sit there like a man does. He will shake hands, howdy-do-sir. He climbs the haystack, and I get four men or boys to hold a horse blanket and I say, "Jump up! Come down!" Then he'll jump up in the air and come down in the blanket. The cutest thing is to see him catch the rats from my traps and kill them.

He is all the playmate I have, and we have lots of fun. He could be taught almost anything if he had a good teacher that understands dogs. I do not. He is easily taught and I love Pug and Pug loves me. Taylor Anderson.

Braman, Okla.

Tige Likes Children.

When I was little I used to run away, and my dog Tige went with me when he could get out of the yard. Sometimes he was asleep and did not see me go. If I got out of sight, mama would open the gate and tell him to find the baby, and he would smell around until he found my track; then mama would follow him and bring me home. Once a cross cow chased me and he caught her by the throat.

About four years ago we moved about 25 miles. Old Tige went with papa to the new place, but mama and we children stopped to visit at grandma's. Tige got lonely and what do you think he did? He went back to the old home to find us.

Tige is a feeble old dog now, and I am going to take good care of him as long as he lives. Maud Bronson.

Paradise, Kan.

What Can't Watch Do?

Watch is my dog's name. He will play hide and seek, play-ball, pull a wagon, bring in the cows, catch food in his mouth and carry in wood. He will catch a hog and hold it for us. One day he caught a wolf and held it until

the hired man could shoot it. He leads my pony by the halter rope. If you are leading a cow or something, and it will not come, he will bite it on the heels and make it come.

McLouth, Kan. Hazel Bowma.

Joe Dog Is Intelligent.

My dog is a Shepherd. His name is Joe Dog. Last summer when I went away on a visit, he hunted everywhere on the place for me, hunted over at grandma's, and up at the store, and out to the farm; he would come to the door and cry and mama would have to go to the door and say, "No, Joe Dog, Royal is not here."

When our neighbor's barn burned down, he came to the window, put his head against the screen, and barked and barked until he woke us all up to let us know there was a fire close by.

Mama says, "Joe, catch that chicken," and points out the one she wants, and he will catch and hold it without hurting it, until some one comes. He has been stolen twice but comes home as soon as he gets loose. His neck showed marks so we knew he had been tied up.

He has his bed inside the porch on a strip of carpet. Mama often hangs his carpet on the line. One evening a storm was coming up and mama said we must hurry now and get our chores done before the storm comes. She rushed to the chicken house to feed the chickens and gather the eggs. I hurried to get in the wood. Joe Dog ran and pulled his bed off of the line and carried it to the porch, just as if he understood every word. I am very proud of my dog.

Royal Morely. Grenola, Kan.

Pug Had a Battle.

My fox terrier, Pug, will climb a silo, 25 feet high, up the ladder. He sits in the buggy and drives the horses. He can climb a gate or fence just like a boy. He catches more mice than 17 cats, and he can catch rats, too.

One day a rat started to run from the gate to the tank, he made a dive for it, caught the rat at the same time the rat caught him in the nose. For a while you could not tell which was pulling the hardest, the rat or the pug, but finally the dog killed his enemy. He would have been a good show dog if I had trained him. Grace Nichols.

Abilene, Kan.

Handy is a Good Dog.

Yes, I have a dog. She is a Shepherd. She has one glass eye and one brown eye; she was that way when she was born. She is but a young dog. Her name is Handy. She will get the cattle and will pick the milk cows out of the others. She will not bite anyone and she likes to play. She does not run away, but comes over to the school house where I am. She will not hurt cats; she used to mother some of them because their mother was dead.

Gardner, Kan. Hugh Pugh.

No Apple Stealing Here.

When I go to climb a tree, my dog, Towser, jumps up on the lower limbs and climbs nearly to the top of the tree. It would not do for boys to steal apples here, for Towser would get them sure. I tie a rag into the tongue of my little wagon, he takes hold of the rag with his teeth, and hauls the wagon with me on it. When he gets tired he dumps me off, then away he goes with the empty wagon.

When he hears the key grate in the lock, he begins to bark, but if he sees we are dressed up, he tucks his tail down and looks sad. If we get a new pair of shoes, he knows it as well as anybody. Geraldine Ericsson.

Wichita, Kan.

Rover Makes a Friend.

I had a pony, Black Beauty, and every time when I would come home, Rover would jump up on the pony and stand there and lick the pony; he seemed to like her very much. One day she was sold and a colt was bought. Every time I would come around with the colt, Rover would hike. For a week he acted unfriendly. Then one morning I took Doc outdoors to water; up came Rover, jumped up on me, and kissed the horse on the nose. The horse rubbed his nose on the dog, and since that time they have been the greatest of friends. Charles Harris.

Overbrook, Kan.

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The Secret of the Blotter

A Story Every Farm Boy Ought to Read and Reflect Upon for Days

BY MABEL BURKHOLDER
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THE time has arrived." Something within his brain seemed to repeat.

Robert Lane experienced no start of surprise that the hour for action had come. He had wanted to leave home—yes, truly—he could never remember the time when he had not tingled and thrilled at the thought of a broader life in the city. Because of gigantic difficulties in the way he had set the momentous hour somewhere in the shadowy distance, in the fall lulling himself into the belief that it would be easier to get off in the spring, and when spring came persuading himself that the city offered better openings in the fall.

Then suddenly his mind had seemed to fix one date at which it bade him look squarely and fearlessly. Now, because that date was only two or three tomorrows off, should he shrink, and cower, and run away from it?

Things were going from bad to worse on the farm. It was one of those rural districts untouched by modern improvements. No, he would qualify that statement. Some of the neighbors had fine horses, well-kept orchards, and elegant homes. Bitterly he admitted the unwelcome truth—it was only the Lanes who were untouched by modern improvements. His father was a ne'er-do-weel, and his mother such a perfect incarnation of meek endurance that he often spent unprofitable hours conjecturing from whom he derived his superabundant energy.

Be that as it might, for a young man entering the twenties to tamely idle about a run-down farm was inexcusable. Because he was going to leave his mother and father was no argument that he was forgetting them. On the contrary, he would be able to raise them out of the mire into which they had sunk. He would force them out of the rut along which they were complacently jogging. They would not like it at first, but they would see—they must see.

He must take his chance this autumn. He had done everything that the meager life of the farm made possible to advance his education. He had gone barefoot to buy books. Having a fancy for the law, he had made imaginary speeches in his little attic room, while his parents slumbered peacefully, down stairs. Oh, why would they not understand, and sacrifice a little to help him get a start? All summer long they had avoided the subject. They just looked pained when he mentioned the city.

"It is such a poor little place!" he burst out scornfully. "And growing poorer every day. A thousand dollars would almost buy it."

Thoughtfully he pursued his way across the neglected meadow, where daisies were seeding down plentifully, and pushed his way through the tangle of bushes, now flaming with scarlet fruit. The cornstalks in the weedy little patch behind the barn rustled stiffly in the breeze, and every pumpkin gleamed like a ball of gold.

"I have done my best with the things this year," he told himself despairingly, "in the hope that there might be a surplus which could be spared without the old folks feeling the pinch. Vain hope! Father sees that none of the profits fall into my hands."

Presently he perceived his parents going up the lane together. His mother's hands were full of the very Hawthorn he had despised as a cumberer of the ground, and she talked earnestly to the old man as he drove the cows to the milking-place. Robert Lane tried to realize what those simple country joys meant to the two elderly people, what the little weather-beaten house on the wind-swept hill meant.

"I'll never get up courage to tell them," he groaned. "I'll slip away quietly. I'll write. They have only themselves to blame. If they had shown interest in my plan, I would have told them freely."

The notion of writing out the complete story of his plans and aspirations seized him strongly. He would do it at once before his ardor cooled, and leave the

letter addressed to them lying on his desk. It was both the easiest and the best way, when they did not, would not understand.

He passed into the house, leaving them to their peaceful chat over the lane fence. He went upstairs to his own room and closed the door securely.

Once inside that sanctum he was in a magic realm. The room was small and bare, but it was in all essentials the room of a student. The clumsy little desk might show evidences of being home-made, but it was well-stocked with all the materials for writing, nevertheless. Every available corner was piled with books—worth-while books, the weighty contents of which had almost exhausted his young brain. He told himself fiercely that nobody appreciated them but himself. His mother came and looked over his shoulder sometimes, and lifted her hands at the tremendously big words; and his father tut-tutted the idea of such sedulous application to books and admonished him to go to sleep "to be ready for the next day's ploughing." Surely it was their own fault that they remained so ignorant of his far-reaching plans.

Deliberately he seated himself at his desk and prepared to write. He would try to explain everything in a long, long letter—how he felt he was right in adhering to his course even under the very great difficulties leaving home presented, how he realized that the perils and hardships of the city would be great to a penniless youth like himself, but that he was resolved to meet them very steadfastly, and that he hoped sometime they would forgive him and understand why he could not stay.

My Dear Parents—
I have many things to tell you which I can say better in a letter, because you would not listen patiently, because you do not realize—

How cold and formal it looked! How difficult to proceed! "My Dear Parents," indeed! How he longed to tear the sheet from end to end, rush down to the old lane fence and cry out: "Dad and Mother, bless me before I go!"

He seemed to realize all at once that his parents were very feeble and that this would strike them as a heavy blow. He stopped and stared vacantly at his desk. Carelessly his pen was allowed to let fall a drop of ink on the clean sheet. Jerking himself up, he quickly turned it face downward on the large sheet of blotting-paper always kept in order on his desk. In so doing he was made aware of a curious fact.

He was positive the blotter he had fitted to his desk that morning was absolutely new and clean. During the few hours of the day when he supposed no person entered his room, the blotter had become deeply stained with ink! An intruder had been writing at his desk!

Burning with curiosity to discover who had taken possession of his room and his desk, Robert Lane took his little mirror from the wall and held it at different angles over the blotter. The scrawl which had appeared backwards, faint in places and in other spots deep and heavy, now greeted his eye right-side-up. The fragments suggested a large, heavy, irregular script, and Robert knew only one such hand—his father's.

The relief he felt on finding that no stranger had been making free in his room was succeeded by a curiosity to discover what his father had been writing. A letter with his parent was an elaborate affair, a worry for days, never undertaken unless by absolute necessity. When Robert considered the absence of pens and writing materials downstairs it seemed reasonable that his father would choose the attic room for such an arduous task. But to whom had he written, and upon what business? Robert felt that he had stumbled on something he had no right to know, as his father had never reckoned on the blotter telling tales. But in spite of com-

punctions his eye still fastened itself on the inky fragments.

"Mr. Simon Kerr, of Kerr's Corners!" The words stood out boldly in one spot. Simon Kerr! What need had his father to write to that notorious old cheat and swindler? Robert recalled that his earliest ambition to be trained in the law arose from a desire to show up some of the old usurer's sharp practices, and some of his crooked ways of extracting money from his weaker neighbors.

"We submit!" Trembling as from a bad scare, Robert had continued his task of picking out words from the blotter. "We submit!" Submit to what? Ah, here was the conclusion to that sentence on the next line! "We submit to your terms!" What terms? Mercy on them all, did the old folks owe him anything?

There followed some figures, and the word "money" occurred three times. More than that the blotter refused to tell him. It had delivered its message.

In great indecision Robert went downstairs. It seemed impossible to finish his letter just then. It was his night off the farm, the hour the school teacher had set apart for the elucidation of some of the difficulties in his Latin grammar. He would set out as usual and the walk down the dusky village street would settle his nerves and give him time to think. Though the milking was finished the two old people still talked beside the lane fence. Their heads were bowed. How stooped their forms appeared! Were they even then submitting to something which took the erectness from their shoulders and the elasticity from their steps?

"Don't be in a hurry, Bob," called his mother. "We were just coming in."

"But I must go, mother. I am late already." "The fact is," she went on, without noting the interruption, "we were thinking you would have to make a start in a few days if you reach the city by the first of October."

Her son jumped nervously, almost guiltily. "We have been thinking about it so much, your father and I," she continued earnestly.

So had he. Perhaps they would have arrived at a more pacific conclusion if they had communicated their thoughts to one another.

"We didn't want you to go almost as a beggar, lad, to the terrible city, so we've talked it over and made up our minds that we could spare this—"

It was the voice of his father, and when he looked he saw that the old man was holding out a handful of bills.

"Dad—mother, what does this mean?" "Take it, Robert. No person could have earned it more fairly. We have been dragging back on your future prospects too long."

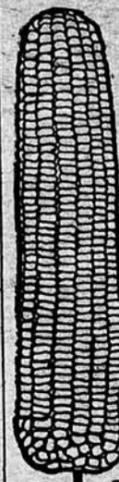
"But are you sure you can spare it?" "Ay, lad, we've reckoned it out that way," said his father in an expressionless tone; and the horny hand pressed the bills into the young man's unwilling palm.

When he was several rods down the road Robert remembered with shame that he had not thanked them adequately. The thing had taken him off his feet. To think they cared about it, had been planning for it, sacrificing—pshaw, it made a queer lump come up in a person's throat.

The sum was doubtless a pitifully small one. The village street was quite dark as he hurried along, still clutching the bills in his quivering fingers. Five of them. Perhaps they amounted to fifty dollars all told. Knowing the tightness of money around their place he wondered how they had saved that much over and above their living.

Under the first street lamp he paused and opened his fingers. He drew a sharp gasp of breath as his eyes fastened on the bills. Each one was of the hundred-dollar denomination. He was at that moment the possessor of five hundred dollars!

(To be ended next week.)



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Prune the Apple Trees Now

Open Up the Center So Light Easily Can Enter

BY F. B. NICHOLS, Field Editor

WELL pruned apple trees are essential if one desires to get the maximum yields and profits. Most of the apple orchards in the Middle West are in a bad condition so far as the wood growth is concerned. The top usually is full of brush, and it generally has an amazingly tall growth that is not desirable. One cannot do a perfect job of spraying on trees that are full of brush, and it also is almost impossible to do a good job of picking the fruit. The winter season offers a good opportunity to clean out this extra growth, and as there is less work to be done on the farms than usual this year it is probable there will be more pruning done in Kansas and the surrounding states than in previous years.

Decay is certain to follow in the wake of the man who does just a halfway job of pruning. If one's ideas of pruning merely relate to going into the orchard and "slashing around awhile" with an ax, it would be better if no pruning were done at all. There is a large collection of canker and kindred diseases in wait for the tree that has been improperly pruned. Much of the decay in apple trees has been started from improper pruning.

Healing the Wound.

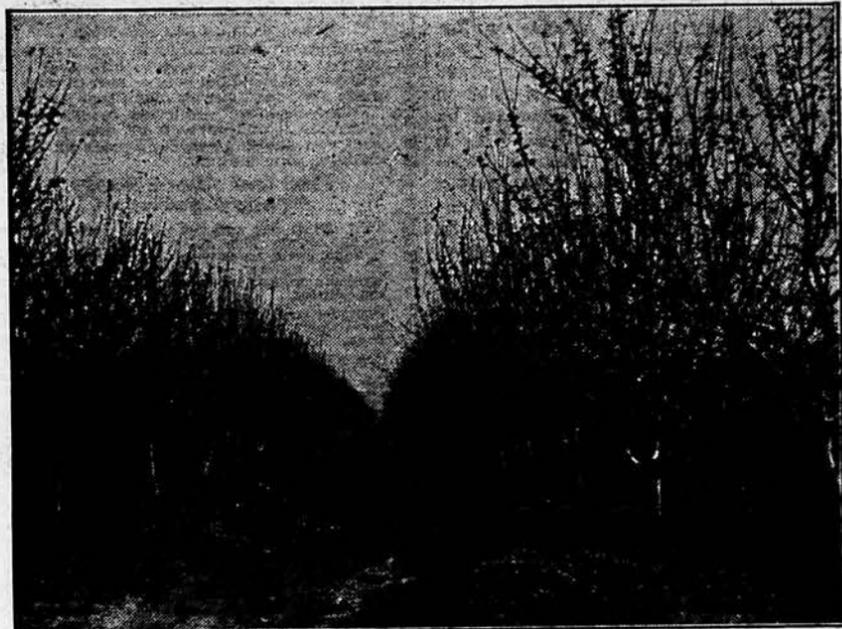
It is absolutely essential that all the larger limbs should be sawed off smooth

not to get more than 20 feet high in any case.

Canker is one of the main diseases that follow improper pruning. Three-fourths of the cases of blister canker is caused by improper pruning. This is by actual count in a large number of orchards. Blister canker is causing much damage in this state. It is killing many trees and costing apple growers large amounts every year in decreased yields.

This canker may easily be recognized, if a thin layer of the diseased growth is cut away, by irregular circular spots of tan surrounded by a dark brown or black ring. These spots vary in size from 1-16 to 1/4 inch. When a tree has one limb that has a canker, the best thing to do is to remove the limb if possible. It should be burned, as the canker spores will live for a long time.

If the canker limb cannot be removed it must be treated. Take a 2-inch gauge—which is much like a wood chisel—and a wood mallet and cut into the diseased wood until it is all removed. Cut back into the healthy bark at least 1/2 inch. It usually is necessary to cut down deep, as this disease goes into the heartwood. Then disinfect the wound thoroughly. A 1-1000 solution of corrosive sublimate or a saturated solution of copper sulphate make good disinfect-



Clean trees, clean ground, clean pruning and clean fruit.

and that all the larger wounds should be painted with white lead. It is well to paint them twice, once when the limb is sawed off and the other time about a week later. These two paintings will give the wood good protection, and decay usually will not set in. If the limbs have been properly sawed off closely to the trunk, healing will start the next year, and there will be no danger of decay getting into the heart of the tree.

Most of the leading apple growers in the Missouri valley now favor the open center head. It is essential that the heads should be opened up enough so that plenty of light can get to all the fruit. It is only in well pruned orchards that apples reach the remarkably fine flavor and color which is possible in the Middle West. It is usual now with apple trees to use 4 or 5 limbs to form the head, and to eliminate the center trunk. If one has trees that have an old center trunk he can't change the system on which the tree was allowed to grow, of course, he merely will have to do as well as he can with the tree he has.

One of the great troubles with the apple tree that has been built with a top around a main leader is that it usually is too high. That, though, is a fault that is common with almost all mature trees. The orchards in the Middle West have usually been grown on rich soil, and some amazingly tall trees have been produced. It is hard to pick the apples that are grown up among the clouds. It is best if one can keep the tops of apple trees very low; from 16 to 18 feet is plenty high enough. The trees ought

ants. Always disinfect the pruning tools before you move to another tree. After the wound has been disinfected thoroughly and has had time to dry well apply the protective coat. Liquid asphaltum is good for this purpose. It can be put on with a paint brush.

When one is setting out young trees he has a good chance to start the pruning properly, and if he will continue to remove a little wood in the right place every year he can get a tree that will approach the ideal very closely.

In pruning the 1-year-old tree at time of planting it is well to leave the top bud on the windward side, here the north or northwest side of the tree, to cut the tree at perhaps the height of 24 to 30 inches, being governed somewhat by the position of the stronger buds on the trunk. The aim is to grow three to six shoots the first season to form the branches of the future tree.

Not Too Close.

At the end of the first season it is not well to cut back too close to the trunk. Aim to prune in such form as will develop four, five or six main branches, and these so distributed that each branch will have plenty of room to develop. Avoid two branches coming out nearly together, since these forking at one point may cause one branch, when heavily laden with fruit, to split down. Some scientific pruners aim to start the head of the future tree with three main branches. It will be evident, however, that the greatest num-

(Continued on Page 39.)

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Plenty of Soil Moisture

Joplin "Chat" Used as Grit Poisons Poultry—Farm Doings

BY HARLEY C. HATCH

THOSE who were wanting more moisture have certainly had this want satisfied. On top of the 16 inches of snow, we have had an all-day rain. There is no frost in the ground and most of the moisture is going just where it is needed.

Soil conditions are different from those of two years ago, when our last big snow fell. At that time the ground was frozen and the 2 feet of snow which fell then, nearly all made its way to the creeks when it melted. Now all the moisture is going into the ground and all the snow and the day's rain will hardly more than set the creeks to running a good-sized stream.

Farm machinery still sells far below its worth at public sales. At a neighborhood sale this week a new mowing machine, bought last year and which had not cut more than 50 acres, brought only \$15. On the other hand, cattle sell for enough to make up all losses that may fall on the machinery. Nothing in the cow or heifer line, which is to bring a calf this spring, sells for less than \$45 and many cows sell for \$75 and even more. These are not milk cows but common cows which have always had a calf run with them.

At present prices of feed and cows, there is not much in the dairy business. Butterfat, so we hear this morning, is only 22 cents, quite low for this time of the year. Last fall all the storage men thought that butter prices would be very high, so they proceeded to fill the storage plants to full capacity. This made butter high then and the packers took advantage of the high price to make a heavy advertising campaign in favor of butterine. Consumption of butter fell off greatly and as a result there is now in storage 26 million pounds of butter compared with 16 million pounds a year ago. For this reason we need not expect any higher butter prices until the present stock has been worked off.

The man who has been importing kafir seed from Africa, Asher Adams, writes from Osage City that he has made up another car and has it ordered. We succeeded in getting our order included as a part of a 65-bushel lot which the Gridley State bank has made up for the farmers about here. Mr. Adams has the steamship company under contract to get this car of seed here by May 1, which will be in good time to plant. The cost of transportation is now so much greater owing to the great railway strike in South Africa, that the seed in this last car will cost \$5 a bushel.

During the last five days we have answered 71 letters from (Mail and Breeze folks who wanted to know the address of the importer of that African kafir. We hope they get in on time so that they can secure their seed. If they do not, other persons should take the matter up. We hear the State Bankers' association still is working on the matter. If anything is done, it must be done soon for it takes a long time to get the seed here, especially with the present condition of railroad affairs in South Africa.

If you are thinking of erecting a silo this year, investigate the more permanent kind of materials. There is one metal silo in this neighborhood which we shall watch with interest. It is made of heavy galvanized iron and looks very substantial. It will not collapse, that much is certain, and if the guys are kept up, it is not likely to blow down. The only question is, "Will it last?" That is something time alone can tell but this year's experience with it should be something to go by. If it stands the action of the silage as well as it does the action of water or earth it should last a long time. Of course, the makers say it will, but time alone will prove it. The cost of this metal silo is about the same as the wooden ones.

We have a letter this week from a friend at Neodesha who writes that

some 15 years ago, when he could not get seed of Texas Red oats, that he took his seed oats out of a car of feeding oats that was shipped in and that they did so well that he has used such seed ever since. Probably he does not know the variety, as he did not say whether or not they were northern grown oats. There are several kinds of early oats grown in the North; the Kherson is grown to some extent in Nebraska and there is a very early oat grown in southern Nebraska called June oats, but they are very short of straw, more so even than Texas Red. In general it will be a mistake to sow northern oats for most of them will ripen fully two weeks later than Texas Red, beside that they seem more susceptible to drouth and rust.

A friend writes from Pittsburg, Kan., referring to an article he saw in the Mail and Breeze of February 7, wherein a poultryman recommended the refuse from the lead and zinc mines known as "chat" as grit for poultry. Our friend writes to say that he has found by sad experience that chat is poisonous, as it contains many particles of lead and zinc, and that he lost a number of fine chickens by using it for grit. Crushed lime rock can be obtained in almost any locality in this part of Kansas and no one need run any risk with the chat. We are certain our poultry raisers will be much obliged for the warning.

While it may not be strictly in line with farming matters it may not be out of place to say that we have heard many unfavorable comments of late in regard to certain practices permitted by the law. The one most objected to is brought out by the Gore case in Oklahoma. Everyone seems to agree that a set of blackmailers should not be allowed to bring a case in court for the only purpose of damaging a man, when any court officer should know that the charges are trumped up or false. Some method should be devised by which such cases may be prevented from coming to trial. It cannot be denied that the present court procedure is causing much complaint and that the farmers, for whom we write, are becoming weary of the legal forms and jargons handed down from the Sixteenth century. There is about as much sense to the usual jargon of the law courts as there is to the "eeny, meeny, miny, mo" of children's games.

Our farm work for this wintry weather aside from the regular chores and feed hauling, consists of wood chopping. We never could see why some consider wood chopping such hard work. To hear some men talk you would think that swinging an ax was the most trying work in the world but we have not found it difficult at all. Given a sharp ax, keen air and good green wood and we find few winter jobs better suited to our liking. A young friend of ours who is going to high school and working after school hours to pay his board, tells us he finds plenty of wood chopping to do and that he never lacks for a job. The town boys won't chop wood, he says, and so he has little competition.

We have had a full winter of good reading, aside from the regular papers, for the small sum of \$5. It came in this way: E. P. Dutton & Company, the book publishers of New York have issued a library of 660 volumes, which they call "Everyman's Library." The cost is only 35 cents for a well bound, well printed volume. These volumes contain the best in literature, books which have always sold before for \$2 to \$5 each. Among the 660 volumes may be found something that will suit everybody and there are many books among them which have never before been available to anyone, unless he had a longer purse than most of us. This is not an advertisement; it is simply an appreciation of the enterprise of a firm that has placed in the reach of all of us the good literature of all ages. Send to them for their catalog of "Everyman's Library," and you will find you can get the books you have long wanted, for a very small sum.

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Farm Work Waiting on Spring

Oat Seeding Delayed—Large Alfalfa Acreage Going In

By Our Crop Correspondents.

THERE will be a lively scramble for the fields just as soon as the weather settles sufficiently to allow the ground to be worked. Plowing is well advanced due to the favorable weather earlier in the winter but little further preparation of spring seedbeds has been accomplished. Oat seeding in Kansas is already behind the season, and there is some impatience among oat growers on account of the delay. But the question over the advisability of seeding oats early or late is always an open one until about harvest time. January sowings in Oklahoma are up but according to reports the stand and condition are anything but promising.

The severe weather of February gave wheat a slight setback where the fields were blown bare of snow but the general condition of the crop is still close to the 100 per cent mark for the first week in March. Danger of damage from freezing will soon be past and the outlook for a bountiful crop is becoming more rosy every day as the growing season approaches.

Kansas' acreage of alfalfa will be increased this spring by several hundred thousand acres, if advance reports are to be believed. And following last season's experiences that would be the natural thing to look for. Alfalfa can be counted on in any kind of year but last season it gave a demonstration of its dependableness that has never been equaled.

KANSAS.

Trego County—Ground is in good condition for spring crops. Wheat looks good. Stock is doing well.—William Claycamp, February 23.

Washington County—Blizzard of February 22 and 23 hard on stock. Telephone service badly crippled as the wires are all covered with ice. Weather warmer now. Considerable sickness.—Mrs. Birdsley, February 27.

Pottawatomie County—Blizzard on February 22 and 23 and roads badly drifted. Snow is very hard on stock as it puts an end to their grazing. Hay \$15 to \$20; corn 70c; oats 50c; cream 32c.—W. H. Washburn, February 24.

Ellsworth County—Snow storm February 22 and 25. Fair weather at present. Some farmers are disking ground for oats and if weather is favorable they will probably sow soon. Corn ground is in fair condition.—C. R. Blaylock, February 23.

Stafford County—Some very cold weather. All stock in good flesh as wheat pasture has been good. Many public sales. Prices not as good as a year ago. Quite a lot of corn and oats shipped in. Corn 73c; oats 16c.—S. H. Newell, February 26.

Crawford County—Weather fine but ground too wet to work or pasture. Wheat looks fine and is starting to grow. Fruit seems to be all right where the trees and vines were not killed by last fall's drouth. Hogs and cattle scarce and high.—H. F. Painter, March 1.

Franklin County—Stock in as good condition as usual at this time of year, and selling well at sales. Wheat looks fine with plenty of moisture. A large acreage of oats and grass will be sown if weather is favorable. Pig crop will be short.—H. O. Clin, February 23.

Barton County—Condition of wheat good to date. Stock pastured on wheat fields most of the winter. Some plowing done for oats. Cold wind and snow on February 22 stopped the preparations for spring crops. Wheat 78c; corn 77c; oats 52c.—J. A. Johnson, February 24.

Shawnee County—More winter weather now. Roads in bad shape. All stock doing well. Some sales and stock selling well. There will be a large acreage of oats put out. Don't think wheat is damaged much yet. Plenty of feed and good seed corn.—J. P. Ross, February 23.

Sedgewick County—Plenty of moisture. Wheat O. K. Plenty of feed and wheat pasture. Farmers in good spirits. Hogs scarce. Horses and mules selling low, also milk cows. Farm hands in demand. Produce selling high. Farmers all ready to sow oats.—J. R. Kelso, February 26.

Wichita County—Several cold snaps the last few weeks. No plowing done. Some wheat ground blowing. Early wheat looks well. Stock of all kinds doing well. A large spring crop is going to be put up. Cattle high. Eggs 20c; butter fat 24c; potatoes \$1.10; corn \$1.50 a hundred; wheat \$1.75.—J. E. White, February 23.

McPherson County—A snow storm every week this month. Wheat seems to be in good condition. Stock of all kinds in fairly good condition. Spring crops of pigs will be light as there is a shortage of hogs and sows. A few public sales being held. Corn 72c; oats 45 to 50c; hay and alfalfa \$14 to \$16.—John Ostlund, Jr., February 26.

Brown County—Heaviest snow of the winter on February 22 and 23. Drifts from 6 to 8 feet deep in the roads and telephone wires down. Most of the wheat seems to be all right. Farmers are anxious to begin sowing oats but prospects are poor for an early seeding. Wheat 80c; corn 77c; oats 43c; hogs \$8.10; cream 22c; eggs 20c.—A. D. Dannenberg, February 23.

Pawnee County—Crop conditions remain good, but are now having some real winter. Livestock doing fine. Cold weather has stopped spring work. Horse and cattle buyers very busy. Cattle high. Some loss among cattle from spinal meningitis. Farm sales not as numerous as last year. Things

sell reasonably well. Wheat 80c; corn 75c; hay \$16; eggs 19c; butter 18c.—C. E. Chesterman, February 23.

Sumner County—Cold snaps letting up and warmer weather is prevailing. Wheat is beginning to look better and is greening up somewhat. Stock stood the last cold snaps fairly well. Many sales being held and good prices received for stock. Wheat 81c; corn 73c; oats 40c; kafir 70c; prairie hay \$14; alfalfa hay \$14; hogs \$8; cattle \$8.50; butter 20c; eggs 22c; butter fat 24c.—E. E. Stocking, February 23.

Wilson and Neosho Counties—Fine weather now but rain, snow and blizzards were hard on stock. Roads in very bad condition. Feed scarce, hence neither horses, mules nor cattle sell well at sales. Some farmers selling out and going to Montana and Canada. Hens on a strike. Have not seen a live chinch bug since September. Freezing and thawing hard on wheat and fall sowed alfalfa.—Adolph Anderson, February 23.

Allen County—Plenty of snow the last two weeks and ground is in good shape for crops next season. No oats sown yet. A lot of alfalfa will be sown this spring. Fat hogs scarce. A good demand for cattle. Horses and mules are slow sale. Hay and fodder are scarce. Horses and mules in poor shape than usual for heavy work. Corn 71c; oats 42 and 45c; potatoes \$1.25; eggs 20c; butter fat 20c.—George D. Johnson, February 23.

Morris County—Adverse weather conditions still continue to interfere with all farm work except caring for stock. Weather is drawing heavily on the feed supply and causing uneasiness among farmers. Public farm sale season is over. Everything seems to sell much higher now than a month ago, especially hogs and horses. A large acreage of alfalfa will be sown this spring. Alfalfa seed \$4.50 to \$6 a bushel.—J. R. Henry, February 23.

Riley County—Rain, sleet and a heavy fall of snow February 22 and the roads are badly drifted. Wheat fields well covered. Feed scarce and hard to secure, but stock doing well so far. Livestock bring good prices at sales. Many apple trees died in the orchards and were cut down for wood. Ice houses all filled with good ice. Farm work will begin as soon as the ground dries up. Corn 67c; hogs 8c; wheat 78c; eggs 22c.—P. O. Hamilton, February 23.

Hamilton County—February weather has been ideal except for some wind and a little snow and rain. Ground is in fine, moist condition. Stock of all kinds doing well. Prospects good for big crop of calves and colts. Many fine jacks and Percheron horses coming into the county. Large numbers of southwestern and Mexican cattle will be brought in for summer grazing. Cream 24c; eggs 20c; corn \$1.35 a hundred; oats \$1.60; hay \$8 to \$14.—W. H. Brown, February 23.

OKLAHOMA.

Canadian County—Oats nearly all sown. Wheat looks well. Farmers busy getting ready to plant corn. Corn 60c; oats 42c; wheat 80c; hogs \$8.85; cattle \$8.65.—H. J. Earl, February 23.

Harmon County—Stock looks very well. A lot of plowing done on the tight and mixed land but none on the sandy land. Cattle and hogs scarce. There were some early spring pigs, but most of them froze to death.—I. E. Grant, February 23.

Cotton County—Early sown oats up. Weather rather cold the last two weeks. Light snow last week which was a great benefit to the wheat and oats. Most of the plowing and listing is done. Some will start to plant corn next week. Alfalfa \$15; corn 70c; eggs 18c.—Lake Rainbow, February 23.

McIntosh County—February was a bad month for farm operations. Oats going in now as fast as possible. January sown oats are coming but are a little thin. Wheat fine. Potatoes being planted. Feed scarce and high.—H. S. Waters, February 27.

Alfalfa County—Farmers busy getting ground ready and sowing oats. Wheat looks good and there is plenty of pasture. One man in this county has about 3,000 head of cattle on pasture. Not many fat hogs in the county. Corn 72c; oats 56c.—J. W. Lyon, February 27.

Noble County—Oat sowing in progress. Ground in good condition. Very few public sales. Wheat looking good. Not much corn will be planted this spring. Hogs scarce and high. Seed oats 45 to 50c; corn 65c; potatoes \$1; eggs 23c; butter 25c; hay \$12 to \$15.—A. E. Anderson, February 26.

Woodward County—Nice open winter. Wheat is looking good. Spring work begun. Quite a few oats will be sown. Many farmers will have to work their horses without grain. It is getting dry and the ground needs moisture. Horses pretty cheap. Hogs scarce.—George L. Boswell, Jr., February 27.

Lincoln County—Fine weather since the blizzard. Fruit seems to be O. K. Many farmers have their plowing done. More oats have been sown than for several years. A great deal of alfalfa will be sown this spring. Early potatoes are being planted. Livestock in good condition.—J. B. Pomeroy, February 23.

Custer County—Severe winter weather the last three weeks has delayed preparations for spring crops. Wheat is frozen down but is not killed. More listing, plowing and disking has been done up to this date than usual. The public sale season is almost over. Prices were better this month at sales on everything except horses. Eggs 20c; hogs \$8.25.—E. E. Baker, February 23.

Hughes County—Fine weather and farmers are busy sowing oats. I planted my potatoes February 17. Lots of garden stuff being put out. Haven't had much winter yet. Cattle and horses looking fine. Good cows in demand. Everybody seems to be planting shade trees this spring. Cows \$50 to \$100; hay \$15 to \$16; corn 85c; oats 50c; butter 25 to 35c.—Albin Haskett, February 27.

Cleveland County—Fine spring weather. Work of all kinds going with a rush. Oat seeding almost finished. Large acreage of oats sown. Wheat looking fine where it is not pastured too heavily. Plenty of rough feed on hand. Stock doing fairly well. Garden making in order. Some building being done. Much hay and grain going to market at fair prices.—H. J. Dietrick, February 23.

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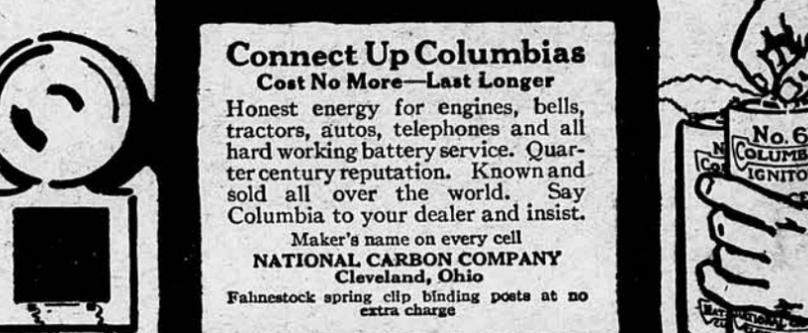
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MILES

AJAX
TIRES
Plain Tread Non-Skid

Guaranteed
In Writing
for
5000
MILES

"While others are claiming Quality
we are guaranteeing it."

AJAX-GRIEB RUBBER COMPANY
1796 Broadway New York City
Factories: Trenton, N. J.

WATCH & CHAIN FREE
We give a watch guaranteed 5 years—equal in appearance to solid gold watch. Also Stone Set Ring FREE for selling 20 Needle Books at 10c ea. Write for them WILLARD WATCH CO., Dept. 318, Chicago

Fish Bite Like hungry wolves any time of the year if you use Magic-Fish-Lure. Best fish bait ever discovered. Keeps you busy pulling them out. Write to-day and get a box to help introduce it. Agents wanted. J. F. Gregory, Dept. 31 St. Louis, Mo.



Mitchell Little Six
\$1895.00

Recognizing the fact that the modern farmer is as much of a *business man* as the merchant of the big commercial center, we call the former's attention to the *established truth* that the Mitchell car is an *investment* and in *no sense* a speculation. Not only is the car manufactured to last but its maintenance is economical—a fact that any man of business sense will thoroughly appreciate.

The principle of maximum power on minimum fuel is exemplified to a high degree in the Mitchell Models for 1914 and the strength of axles, frame, springs and other important features is calculated to resist successfully and repeatedly the severe strains and jolts and twists of rough country roads.

Such facts *must* be considered carefully to preserve an automobile as a daily utility and prevent it from becoming a costly luxury. Your Mitchell of today will be looking well and serving you faithfully several years from now and thus annually the cost of your original investment is decreased until it finally disappears.

The Mitchell Models for 1914:

The Mitchell Little Six—fifty horse-power—132-inch wheel base—36x4½ inch tires—two or five passenger capacity	\$1,895
The Mitchell Big Six—sixty horse-power—144-inch wheel base—37x5-inch tires—seven passenger capacity	\$2,350
The Mitchell Four—forty horse-power—four cylinders—120 inch wheel base—36x4½ inch tires—two or five passenger capacity	\$1,595

Equipment of all the Mitchell Models Included in the List Prices Here Given

Electric self-starter and generator—electric lights—electric horn—electric magnetic exploring lamp—speedometer—mohair top and dust cover—Jiffy quick-action side curtains—quick-action rain vision wind-shield—demountable rims with one extra—tangent valves—double extra tire carriers—Bair bow holders—license plate bracket—pump, jack and complete set of tools. Prices F. O. B. Racine.

Mitchell-Lewis Motor Co.
Racine, Wis., U.S.A.

Eighty Years of Faithful Service to the American Public

Horsetraders In the Spring

BY JOHN H. BROWN.

With the coming of spring come also the horse traders. You will find them camped on the roadside that leads from the towns to the country. The camp is composed of an old covered wagon surrounded with men and women, many children and dogs, and several raw-boned horses. A sorry looking outfit it is, but they thoroughly understand their business and many an honest farmer has been parted from a good horse through the work of these horse traders or their accomplices.

Usually there are several men connected with these outfits and some of

half way from the knee to the joint on the outside of the leg. There is a small white cord at the back part of the shin bone. This is cut off and the external wound closed with a stitch, and the horse walks off on the hardest pavement without a limp.

White horses and those having white spots are often dyed with hair dye and black ones or those of a dark color are often changed by using a wash made of henna leaves and walnut hulls, and often they are bleached with peroxide of hydrogen.

These horsetraders are scheming all the time to devise means to part owners from their good horses and our advice would be to have no dealings with them. Do not buy of them or sell anything

The Promise of Bread

BY C. L. EDSON,
In the American Magazine

Out on the frozen uplands, underneath the snow and sleet,
In the bosom of the plowland sleeps the Promise of the Wheat;
With the ice for head and footstone, and a snowy shroud outspread
In the frost-locked tomb of winter sleeps the Miracle of Bread!
With its hundred thousand reapers and its hundred thousand men,
And the click of guard and sickle and the flails that turn again,
And drover's shout, and snap of whips and creak of horse's tugs,
And a thin red line o' gingham girls that carry water jugs;
And yellow stalks and dagger beards that stab thro' cotton clothes,
And farmer boys a-shocking wheat in long and crooked rows,
And dust-velled men on mountain stacks, whose pitchforks flash and gleam;
And threshing engines shrieking songs in syllables of steam,
And elevators painted red that lift their giant arms
And beckon to the Harvest God, above the brooding farms,
And loaded trains that hasten forth, a hungry world to fill—
All sleeping just beneath the snow, out yonder on the hill!

them hire out to the farmers, selecting a place where the pasture is well filled with likely looking horses. One of the horses will show symptoms of ailment after a few days. It may be lameness, and is caused from a fine wire that has been fastened around the fetlock, between the foot and the heel, and the hair smoothed over it. In twenty minutes after it has been put on the horse will go lame. Another means that is used to make a horse lame is to select a single hair from the tail, put it through the eye of a needle, lift the front leg and press the skin between the outer and middle tendon or cord, shove the needle through, cut off the hair, and let down the foot. The horse will go lame in a few minutes.

To make a horse stand by his feed and not eat is another trick that is often worked. The front teeth and the roof of the mouth is greased with common beef tallow and the horse will not eat until it is washed out. This, in connection with the trick to make the animal lame will convince the owner that his horse is foundered.

Sometimes a trick is worked to make a horse appear glandered. Four ounces of fresh butter is melted and poured into the horse's ears. Soon it will be discharged from the nostrils and the owner hurries him to some isolated place to await development. A true pulling horse begins to show signs of balkiness. His shoulders have been bathed with a mixture of tincture of cantharides and corrosive sublimate. The shoulders will become very sensitive under this treatment and the treatment may not show. The owner, however, has lost faith in this once faithful animal.

When the farmer is in the midst of all these troubles with his horses the outfit comes along and the hired man gets in some of his work. He brings the farmer and the horse trader together and it is nine chances in ten that when they separate the farmer has parted with a few of his fine horses and has in exchange several old plugs or a few dollars, not anywhere near the value of the animals that he parted with.

These horse traders can pick up old and worn out plugs, doctor them up and trade them in as part payment on a good horse or sell them at a good cash price. To give an old horse a young face they make an incision in the sunken places over the eyes, insert a goose quill and fill the place with wind, then stitch it up. They drench a horse that is suffering with heaves with a quarter pound of common bird shot and he will not heave until they have passed through. Lame horses are temporarily relieved by making a small incision about

to them, if you do either, you surely will be cheated, for they have no other end in view.

A Tip to Seedsmen.

I do not see anyone advertising sweet clover seed in the Mail and Breeze. I should think those who have it to sell would let it be known. I want to buy some of the white biennial.

R. 2, Meeker, Okla. R. L. Forbes.



\$1850 Automobile Free

The Race Is Just Starting for the Big List of Prizes to Be Given Away in the Farmers Mail and Breeze Subscription Contest Which Closes on May 16.

This promises to be one of the most interesting contests ever conducted by this paper.

As explained in our announcement on another page this contest has been started for the purpose of increasing the subscription list of the Farmers Mail and Breeze. Every subscriber living in Kansas is eligible for entry in this contest and every contestant will be awarded a liberal cash commission for each subscription sent in.

A certain number of points will be given for each subscription and when the contest closes on May 16, the fifteen leaders in the contest, or those who have to their credit the highest number of points for subscriptions sent in will be awarded the fifteen Grand Prizes.

Don't hesitate about entering on account of having had no experience in this line of work. In past contests the big prizes have nearly always been won by those who had never before taken a subscription of any kind.

Any man, woman, boy or girl living in Kansas who wants this big \$1850 Automobile or one of the other fifteen Grand Prizes should write for full information and enter this contest at once. The contest has just started and there is plenty of time in which to come out First Prize winner.

All those who enter at once will be given a special credit of 10,000 free points—a fine start in the race for the big prize. It costs you absolutely nothing to enter. Send your name and address at once to, Contest Manager, Farmers Mail and Breeze, Topeka, Kan.

Tobacco Kills the Insects

BY JOHN H. BROWN,
Atchison, Kan.

Tobacco dust can be applied with an insect powder bellows, or it can be sprinkled by hand. Just as the tender shoots are breaking through the ground they are frequently attacked by chewing insects, but they will not be bothered if they are dusted freely with tobacco. Powdered tobacco sprinkled on plants and vines keeps off black and green flies and melon bugs, and if worked into the soil it drives away cut worms.

Large quantities of tobacco stems are used in greenhouses for fumigating purposes. If these stems are chopped fine and spread about the lawn they will keep away many insects, and at the same time they will be of benefit to the grass. Tobacco stems and powdered tobacco are both very low in price.

To Prevent Smut Damage

Not only wheat, but oats and barley, can be kept free from smut, at least from stinking smut, by what grain farmers call the "formaldehyde treatment." This treatment has been widely talked about in the last few years, and where formaldehyde of proper strength is used there are practically no failures. Such failures as have resulted have been because the farmer did not insist upon getting 37 1-2 per cent formaldehyde.

The local druggist may not necessarily be dishonest, but only careless, and for this reason the purchaser should absolutely insist on getting a guaranteed formaldehyde, of at least 37 1-2 per cent strength, in sealed bottles. Where a large amount of grain is to be tested it is well to purchase this material in sealed packages. A gallon size is a good quantity for farm use. One pound of formaldehyde of 37 1-2 per cent strength, mixed with forty gallons of water, will treat forty bushels of small grains.

The grain should be spread out on a smooth, hard and clean floor, preferably one which can be disinfected. For this reason a cement dairy barn floor, or other concrete floor, has superior advantages over other materials, because it can be disinfected with a small quantity of the formaldehyde. It is very easy to shovel grain on such a floor. There is no chance of loss of grain or formaldehyde through the cracks, in a cement floor.

The cost of the formaldehyde treatment amounts to only eight or ten cents an acre, and even if the cost were much higher it would well pay the farmer to treat all of his grain for smut. This needs no particular argument among progressive farmers. The method of treating the grain is as follows:

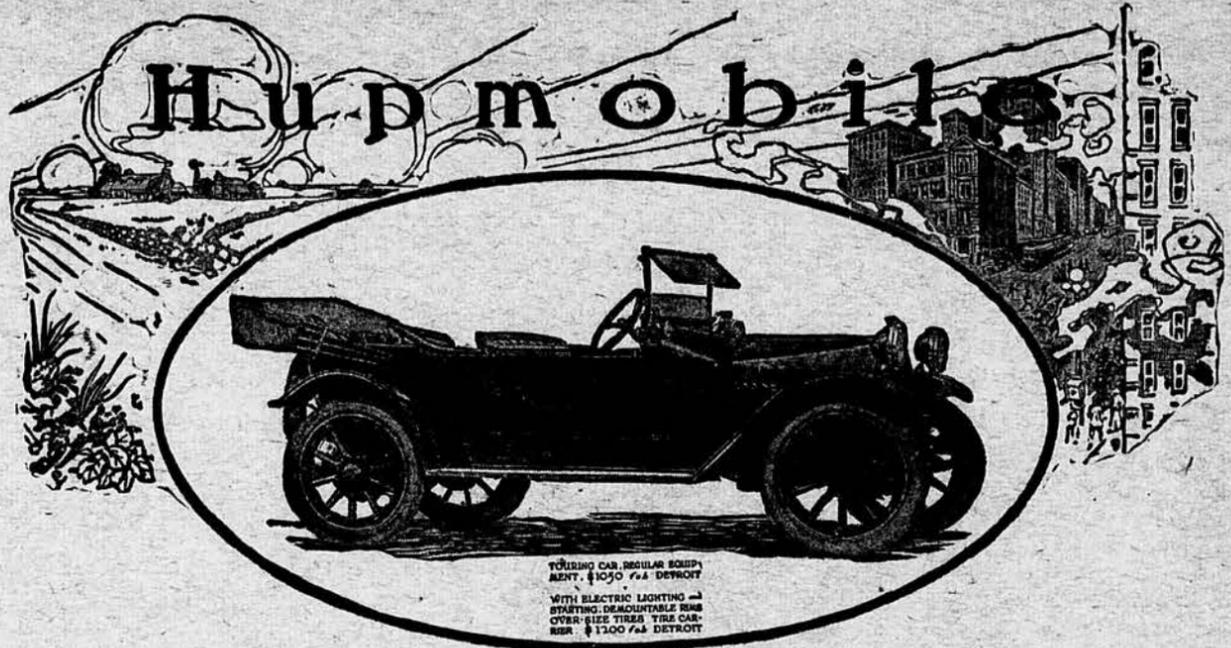
Pile the grain to be treated on the cement floor. Use ordinary sprinkling can. If you have a small sprayer such as is used in whitewashing, that is a good implement to use. The solution should be sprayed over the grain by one man while another keeps continually turning the grain over with a rake or shovel. After all the grain is thoroughly dampened, canvas or a covering of some kind should be placed over the grain so that the formaldehyde gas will not evaporate too quickly. This should be left over night and in the morning the grain will be dry enough to use in the drill.

A County Agent Sells Grain

Two carloads of oats recently were sold through the office of the farm bureau of Montgomery county—one to be shipped to Scott county in western Kansas for seed, and the other to be shipped to Nevada, Mo., for the same purpose. The farm bureau of Montgomery county, by its members standing together, is able to advertise its wares properly, and inquiries for seed are coming to it from all directions. The bureau has also imported sweet clover seed for its members, and a third shipment of 2000 pounds has been ordered from Kentucky.

Copper Corn Made Good.

The Grand Champion corn I received from the Mail and Breeze in 1912 yielded about 60 bushels an acre in 1913. It is surely fine corn and I appreciate your helping me to get it.
Garnett, Kan. R. H. Borrer.



The Car for the Farmer's Family

Is there any real reason why the farmer should prefer the Hupmobile to some other car?

We are convinced that there are a dozen such reasons.

Almost every automobile maker tells you in a general way that you ought to buy his car.

But we want to go further—we want to tell you why we believe your choice should be a Hupmobile.

We are convinced, and we are sure you will convince yourself, that it is especially suited to the needs of a farmer's family.

One of the prime reasons why it is so suited is the low cost of repairs. Hupmobile records for five years prove that positively.

They show every dollar's worth of repair parts sold to dealers and consumers.

And on an average mileage of 5,000 miles per year to each car, the repair cost per mile per car is so amazingly low as to be almost unbelievable.

It amounts to 27 mills per mile—27 cents for every hundred miles.

Facts and figures on this subject will be sent you on application.

A Hupmobile farmer almost invariably gets longer tire wear.

He gets it because Hupmobile solid steel construction is still light construction.

The tires wear longer, moreover, because of the steady impulse of the long-stroke engine—less snubbing and rubbing and jerking and jolting.

That long-stroke engine alone is one of the dozen reasons for owning a Hupmobile in preference to any other car.

Another mighty practical reason is the high price which the Hupmobile commands as a second-hand car.

People don't give more for a used Hupmobile than they do for other cars of the same price without sound, sensible reasons.

It's especially suited even to unimproved roads—because it's light, though staunch, and skims the rough places.

It's a family car because of these things—a farmer's family car, because it isn't a luxury but a downright saving.

It's good-looking. It's different. There isn't a cheap thing in it.

We can—and will in other advertisements—give you other excellent reasons.

But these are enough for one advertisement. Go to your Hupmobile dealer and give him a chance to continue the story.

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

A Few Hup "Whys"

Center control—either side front entrance.
Vibrationless steering wheel.
Short turning radius—40 ft.
"Lively" motor—quick response to throttle.
Little of customary motor vibration.
Dash control of hot and cold air to carburetor.

Simple carburetor—no delicate adjustments necessary.
Certain clutch action.
Simple, infallible oiling system.
Rain vision, ventilating windshield.
Quickly adjustable side curtains.

Low center of gravity—good looks, easy riding, few skids, no turning over.

Gasoline tank under cowl, nearly over carburetor, assuring constant flow of gas.

Improved tire carrier.
Rainshield magneto.

All moving parts enclosed—
"Streamline" body—only now being adopted by highest priced cars.

Accessibility and lightness in weight of starting system.

Four spare fuses in fuse box cover.



This Beautiful SET RING FREE

Warranted genuine gold filled—will wear for years. Most valuable ring ever offered on such easy terms. Set with two Rubies and two Brilliance, latest style and most substantial mounting. A Ring that is sure to please.

One Ring Free to all who send 25 cents to pay for a year's subscription to our big home and story magazine, "The Household" and 5 cents extra for mailing expense—just 30 cents in all. Be sure to say what size you want. Address HOUSEHOLD, Dept. 13-R, Topeka, Kansas.

The horses might stand a little more feed. Fat and frisky, they'll be all the better to buckle into hard spring work.

Fills Your Silo Quickly With Less Power and Labor

You can operate this machine with a 4 h. p. gasoline engine. It's the lightest running blower type of ensilage cutter made—The *throwing, blowing, lifting force* carries the ensilage in a steady full stream rapidly up into the highest silo without waste of power. The ensilage packs perfectly and keeps sweet and tender.

Write for Illustrated Catalog. Send today for this book. It shows how The "Wonderful Paper" cuts ensilage with less power, time and labor, 25 convenient distributing points in the U. S.

THE PAPEC



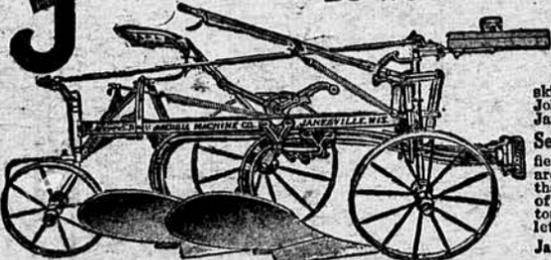
PAPEC MACHINE COMPANY
Box 24, Shortsville, New York

Do Championship Work In Your Own Fields

It's Easy With the Janesville

Now that you have heard how easy Janesville Plows won the sweepstake prize in all contests entered in Wheatland, Big Rock and Grant Park, Ill., last fall, let's bring your plowing into the championship class. You may not care for prizes but you do want top notch work. No other plow can duplicate the work of the Janesville. Champions of previous contests did their best but could not win until they used the Janesville.

JANESVILLE PLOWS With S. & S. Auger Twist Mouldboards, Do Work in the Field That Makes the Crop



They leave the ground well broken—all stubble and trash buried and the surface smooth and clean. Send for the souvenir Booklet and look at the photographs of fields plowed with a Janesville Plow. See the results that can be had with the S. & S. Bottom. It does not take a skilled driver to get first class work with this plow. John Webber, a 14 year old boy won first prize with a Janesville at Grant Park, Ill., Sept. 27, 1913.

Send in Your Name and learn how easy you can do championship work in your own fields with a Janesville. Light draft, flexibility, etc., are excellently taken care of—but it's the plow bottom that does the work and that's what counts. All makes of Janesville Plows can be equipped with S. & S. Bottoms, including walking plows. Write for the booklet and catalog. Address Janesville Machine Co., 42 Center St., Janesville, Wis.



This Beautiful Souvenir Booklet Mailed FREE

to anyone who will write for it. Send in your name at once. See photographic views of field work that won prizes—also photographs of winners—their equipments, etc. Invaluable if you want good plowing. Write today.

THIS O.I.C. SOW WEIGHED 932 LBS. AT 23 MONTHS OLD IONIA GIRL

I have started more breeders on the road to success than any man living. I have the largest and finest herd in the U.S. Every one an early developer, ready for the market at six months old. I want to place one hog in each community to advertise my herd. Write for my plan, "How to Make Money from Hogs." **C. S. BENJAMIN, U.S.D., 22 Portland, Mich.**

RUBBER ROOFING

65¢ Per Roll

Just think of it. 100 square feet of the best one-ply roofing ever made, at only 65¢.

FULLY GUARANTEED

Will withstand any climate and weather. No special tools or experience needed. Anyone can apply it. No better roofing made. Figure how much is needed and send your order in today. If heavy grade is wanted—

100 sq. ft. 2-ply, \$1.05
200 sq. ft. 3-ply, \$1.65

Central-Camp Brand Rubber Roofing will stand the test of time. It is quickly and easily put on and will outwear all others at the price. We specialize in all grades of Roofing, Red and Green, Slate and Flint surface, etc. Write for special roofing information.

WE WILL SAVE YOU MONEY

Roofs and Cement Furnished FREE. No extra charge. Send today for our Big 1914 Catalogue. Learn how we save you money on Roofing, Painting, Farm Machinery and Implements of all kinds.

FREE CENTRAL ROOFING & SUPPLY CO.
Dept. 133. 1501-7 So. Sangamon St., Chicago, Ill.

1914 MODEL 22 Cal. HUNTING RIFLE Free

A REAL GUN. Take-Down pattern, with latest improvements, walnut stock and grip. Shoots accurately 22 long or short cartridges. Handsome, durable. **SEND NO MONEY** only your name and address for my easy plan of securing this fine rifle Absolutely Free express prepaid. Write today. **D. W. BEACH, Box 52, Spencer, Ind.**

Salzer's Tested Seeds at Money Saving Prices

Salzer's Bonanza Assortment of Vegetable Seeds 10¢

Six generous packages, enough to furnish rich, juicy vegetables, and lots and lots of them, during Spring and Summer. One package each, Earliest Cabbage, Shorthorn Carrot, Earliest Cucumber, Prizehead Lettuce, Flashlight Radish, Onion Mixture, all for 10 cents.

Special Offer

These six vegetable seeds and one package each of Salzer's Radiant Sweet Peas, Elegant Asters, Gorgeous Eschscholtzias, Blue Cornflower, Brilliant Poppies, Sunny Cosmos, all for 20¢, postpaid. Or, send 25¢ and get both collections and our great Novelty Red Riding Hood Tomato. Send for

SALZER Big Free 1914 Catalogue
139 S. Eighth St., La Crosse, Wis.



The Profit Maker in the Southwest

Hay balers find it easy to make good big profits with the Ann Arbor 20. It's designed especially to meet their requirements. Bales alfalfa without crushing stems and leaves. Also best baler for cow-peas and vetch. Here's the baler the Southwest has been waiting for—

Ann Arbor THE BALER FOR BUSINESS

Write us today and learn how easily you can make big profits with an Ann Arbor. Holds world's record for speedy work with least upkeep cost. The extra large feed opening, cushioned feeder arm, friction clutch, fly-wheel, automatic block dropper, etc., all mean highest quality of work at lowest cost. Use any engine or get our offer on an Ann Arbor horse press.

Write for This Book

"Making Money from Hay" contains many suggestions that you would like to have. Mailed free. Write today.

Ann Arbor Machine Co.
45 Broadway
Ann Arbor, Mich.

No farmer has to pay excessive prices for nitrogen. There is plenty of it in the air and science teaches how to use it by leguminous crops.

A READER'S APPRECIATION OF THE MAIL AND BREEZE

There are so many good features about the Mail and Breeze that a book could be written in praise of it, but I am going to express my opinion of one feature which especially appeals to me: it is the kindness of its publisher and editors in giving space to Mail and Breeze subscribers in which to express their views, or describe the best way they have of doing a particular job; then printing their letters just as they come from their pens.

No one is better qualified to tell how to handle and take care of chickens than is the farm woman whose front yard, backyard and barnyard are full of them. She can tell by the sound of their "cluck" whether they want grain, vegetables or water.

When information is wanted about the cows and calves then is the man on the farm qualified to give it, for has he not lifted the calf over the fence the first day after it was born and for many a day thereafter? Also he can tell which pig needs a ring in its nose.

Reading the many letters published in the Mail and Breeze, has made me feel that I am acquainted with the writers, and if ever I do take a trip, out through the state, I am going to take my book along, as I have entered their names in it, and when I am in a town, near which any of these persons live, I am going to call upon him. Should any of them at any time visit Atchison, I hope they will call upon me.

Living as I have, more than 50 years in Atchison, I have never been in Topeka except once, and then only for a few hours. I now have a great desire to visit the establishment that gets out so good a farm paper as the Mail and Breeze, for I am sure it is an interesting and busy place. I am no. acquainted with the owner, Mr. Capper, nor with any of the men who are connected with it, but I should like to be, and the next time I am in Topeka I am going to call upon them, and I want them to look me up if ever they come to Atchison.

It is to the interest of every farmer to be a reader of the Mail and Breeze. Coming, as it does, once a week, the last copy is scarcely read when the new one succeeds it, and the connection is so close that the reader is informed all the time as to what is going on. It is an ideal paper, a clean paper; I have never seen anything in it that could offend anyone. It is filled with just such matter as will tend to uplift every member of the family, men, women or children.

The mechanical part of the Mail and Breeze is in the hands of men who understand their business. The arrangement of the news matter is very pleasing to the reader and the display advertisements are so artistically grouped that they appeal to me. I feel lost if my Mail and Breeze does not come Saturday morning.

JOHN H. BROWN.

Atchison, Kan., February 24, 1914.

For Government Farm Loans

BY DUDLEY DOOLITTLE.

The world's basis of credit is agriculture and labor. What we need is cheaper money—lower interest rates. In Kansas we have 49,429 or 45 per cent of all our farms mortgaged.

If the marketing facilities for procuring the cheapest loans is in the government, as it is, why cannot the citizens of the government, who compose it, use it to supply their needs? We can and will. Personally I am opposed to bonding the government to raise funds for any cause when it is possible to realize funds from any other legitimate source. We can go this 2 per cent better and make it unnecessary for the government to borrow money to lend to home builders.

To avoid a bond issue or to avoid the necessity of the government's borrowing money to lend again, why not let the borrower execute his first mortgage to the government, and the government make and issue the money to him direct, or through the proper intermediaries, and hold the mortgage for security? When any person desires to go to the farm to farm, or to make improvements on his farm, or to pay off an old mortgage for the purchase price, or for earlier improvements on his farm, is there any reason why the interest rates should be so high that he cannot with all his effort and good seasons make ends meet? Not any except the mortgage companies.

People the country over are interested in government loans, and many bills are being introduced. The bill I propose would provide a bureau of farm loans in the treasury department to lend money to bona fide tillers of the soil, taking farm mortgages as security for repayment. It is a home builders' bill and will put a family on every quarter section in the Middle West. It insists that borrowers shall be residents of the farm to obtain the benefits of its provisions. It provides for the appointment of an assistant farm loan commissioner in every state, whose office shall be at the state capital. This is done to make the department easier of access, and to expedite business.

This commissioner is to pass on the title and see that all applications are made in due form; if he finds everything correct, he recommends the making of the loan to the bureau in Washington, and the money is sent to the borrower through the proper state commissioner. The loan cannot exceed 65 per cent of the taxable value of the land, nor more than \$6,000 in any event. This limitation is made for safety and the tax value is taken as the real value to do away with the necessity of a board of appraisers, and the chance for any favoritism. The loan can be made only to buy land, improve it or pay off indebtedness for prior incumbrances contracted for the purchase price or improvements. This limitation is to prevent speculation.

All loans are made for 50 years, at 3 per cent interest, payable at any time. Two per cent a year may be paid on the principal sums—amortization it is called—thus wiping out the whole debt by paying 5 per cent, which includes interest and principal every year. As the mortgages are paid, just so is the currency issued on them retired and cancelled. When the mortgage is all paid, it is cancelled and release recorded. A penalty is provided for false statements, and breach of conditions.

He Eats Buffalo Meat.

George Phillips of Hays recently received a hind quarter of buffalo meat from a friend in Fort Pierre, S. D., the animal having been raised on a ranch belonging to the Phillips Brothers. Buffalo meat sells in Kansas City at \$1 a pound when it is on the market but the meat brought to Hays was not for sale. The hide, horns and hoofs of the buffalo from which this meat was taken were sent to the state university at Lawrence, and after being mounted will be on exhibition at the Kansas State Normal in Hays.

2A BROWNIE

Price, \$3.00



JUST the thing you need on the farm to take pictures of stock, crops, etc.—you can use it to advantage in your business. It is very simple to operate and works like its big brother the Kodak. The film cartridge of six or twelve exposures can be put in or taken out by daylight, and you can do the developing and printing yourself without a dark-room, or send it to your dealer. Takes pictures 2½ x 4¼ and you can make as many prints as you want.

Ask your dealer for catalogue or write us and we will mail it free.

EASTMAN KODAK COMPANY,
451 State St., Rochester, N. Y.

SAVE-THE-HORSE

Trade Mark Registered



THE TIME IS NOW

All the winter long, the troubled owner of a lame horse reads our advertisements. Then, day after day slips away, while he talks, laments, listens, takes advice and hesitating—**FAILS TO ACT**—till the Springtime is on him and his horse is not yet able to work. Meantime the thrifty, prosperous, resolute man, reads, considers the evidence carefully—**Decides Promptly**—and his horse is working in, say, ten days to two weeks. That's exactly what happens every winter.

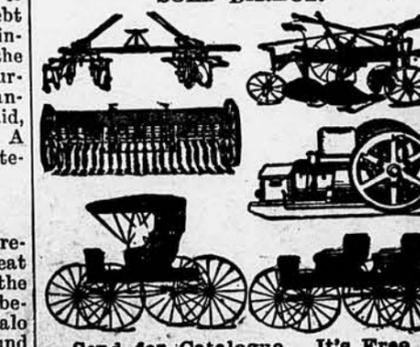
We Originated the treatment of horses by mail—Under Signed Contract to Return Money if Remedy Fails—and every minute of every day for Eighteen Years our advice and treatments have been on the way wherever mails go and horses are. Our charges are moderate. Spring work is near; Write.

Our Latest Save-The-Horse BOOK is a Mind Settler—Tells How to Test for Spavin—What to Do for a Lame Horse—Covers 68 Forms of Lameness—Illustrated. Buy write describing your case and we will send our—**BOOK**—Sample Contract and Advice—**ALL FREE**—to (Horse Owners and Managers—Only.)

TROY CHEMICAL CO 15 Commerce Ave., Binghamton, N. Y.
Druggists everywhere sell Save-the-Horse WITH **CONTRACT** or sent by us Express Prepaid.

Flying Swede Machinery

SOLD DIRECT.



Send for Catalogue. It's Free. Write today.

Marvin C. Van Deaveer,
Factory Distributor,
COUNCIL BLUFFS, IOWA.

Farmers Mail and Breeze Will Give Away Two Automobiles FREE!



Grand Prize

\$1,850 .5-passenger 38 H. P. Stoddard-Dayton Automobile. Full equipment, which includes top, and dust cover; windshield; horn; headlights; tail light; gas tank; dash ventilators; tools; etc. This complete automobile will be given as first prize.

These Two Automobiles and Thirteen Other Prizes Will Be Awarded in Contest Closing May 16th

If you want an Automobile here is your opportunity. The Farmers Mail and Breeze will conduct another subscription contest giving two Automobiles and thirteen other valuable prizes. No expense has been spared in arranging this contest, with the result that we have here the greatest list of prizes ever offered in the history of Farmers Mail and Breeze—a list of prizes aggregating more than \$2,700 in value. All of these prizes will be awarded absolutely free to our fifteen most industrious readers.

The object of this contest is to secure subscriptions to our splendid weekly farm paper, the Farmers Mail and Breeze. Each subscription sent in by a contestant will count so many points and the candidate having the most points on May 16 will receive a \$1,850 Stoddard-Dayton Automobile. The next highest, a \$395 Saxon Automobile, the third highest a \$200 Flanders Motorcycle and so on until the total of fifteen prizes have been awarded. Every contestant who works in this contest, regardless of whether he wins a prize or not, will receive a commission of 25 per cent on all subscription money that he collects. This commission is to be

deducted at the time you send the subscriptions to us, so that you are sure of being well repaid for the time that you devote to taking subscriptions during the contest.

This contest will be restricted to the state of Kansas—that is, any reader of Mail and Breeze living outside of Kansas will not be eligible to entry in this contest. This of course will very materially cut down the number of workers and will make it much easier for those who are entered in the contest to win one of the prizes.

You may have felt heretofore that you could not afford to purchase an Automobile. This gives you your opportunity to get one without any cost to you. You would be willing to give a little of your time to taking subscriptions for one of these automobiles, wouldn't you?

That is all we ask. None of our winners in the past have had any more experience than you. They just went into the contest with the determination of winning and stuck to it. We have given away eight automobiles in the past, and will be glad to furnish you with the names and addresses of our winners if you wish to write them about our methods of handling our contests.

15—Valuable Prizes—15

A list of 15 valuable prizes is given below. All of these prizes are first class and guaranteed to be entirely satisfactory. A detailed description of the prizes, and pictures of the automobiles will be sent each contestant as soon as we receive his name. The prizes are as follows:

- 1st prize, \$1,850 Automobile
- 2nd prize, \$395 Automobile
- 3rd prize, \$200 Motorcycle
- 4th prize, \$75 Columbia Grafonola
- 5th prize, Graphophone, 10 records
- 6th prize, Graphophone, 7 records
- 7th prize, Graphophone, 5 records
- 8th prize, Sewing Machine
- 9th prize, 17 Jewel Gold Watch
- 10th prize, 15 Jewel Gold Watch
- 11th prize, Folding Camera
- 12th prize, Folding Camera
- 13th prize, 7 Jewel Gold Watch
- 14th prize, 7 Jewel Gold Watch
- 15th prize, 7 Jewel Gold Watch

10,000 FREE POINTS to Every One WHO ENTERS NOW!

We will make it to your advantage to start in the contest at once. Every person sending in the coupon below right away will receive a gift of 10,000 free points. This gives you a good start so that it will be a very easy matter for you to go ahead and accumulate a large number of points. The regular scale of points allowed on each subscription is as follows: One year subscriptions at \$1.00—500 points; three year subscriptions at \$2.00—2,000 points; six year subscriptions at \$4.00—5,000 points. No subscription will be accepted for a period of more than six years. All contestants who enter the contest right away and start send-

ing in subscriptions will receive double this number of points on every subscription that they send us between now and April 16th. This offer will be discontinued promptly at midnight, April 16th, and will not again be repeated in the contest. It is to the advantage of every one wishing to win one of these automobiles to send in his name at once and get a good start in the contest during this extra offer. This is the largest number of points that will be allowed during the contest. Any other special point offers which may be made will be at a reduced scale.

MAIL Information COUPON at ONCE

Don't delay—but clip out the coupon, fill in your name and address and mail it at once. This contest is absolutely free so that you do not obligate yourself in any way by sending in your name. If after you have investigated you do not want to continue in the contest you may withdraw your name. This is the greatest opportunity you will ever have to get an automobile. Don't hesitate. Write for full information at once, so you can get an early start and win one of these dandy machines.

FARMERS MAIL AND BREEZE 410 Capital Building
TOPEKA, KAN.

Second Prize



\$395 Saxon

This \$395 Saxon Automobile will be given as Second Prize. It is a full size standard automobile, 15 horse power, fully equipped with top, windshield, lights, etc. Speed, 5 to 60 miles an hour.

This Coupon Is Good for 10,000 Points!

CONTEST MANAGER, FARMERS MAIL AND BREEZE,
410 Capital Bldg., Topeka, Kansas.

Enter my name in the contest for the auto and send full information. This also entitles me to 10,000 free points.

Name

Town

State R. F. D. Box

This coupon does not obligate me in any way, even though I never send in a single subscription.



The Up-to-date Farmer

knocking about his place finds a mighty big lot of pleasure in a chew of "PIPER". There's something about the open air, the stimulating life of the country, that calls for a rich, satisfying chew. And he uses

PIPER Heidsieck

CHEWING TOBACCO—Champagne Flavor

This is the tobacco that has that famous wine-like flavor. There's no other like it in the world!

PIPER Heidsieck is the highest grade of chewing tobacco on the market. It is made by experts who have agreed that the leaf used in "PIPER" is the ripest and mellowest that nature can

grow and the craft of man improve.

This selection of the best leaves from the cream of the world's crop gives "PIPER" its wonderfully satisfying and lasting taste.

Try chewing "PIPER" for a week or two and you will never use any other.

FREE Send 10c and we will send a full-size 10 cent cut of "PIPER" in a handsome leather pouch FREE to any address in U. S. The tobacco, the pouch and mailing expenses will cost us 20 cents and we are glad to spend the money to get you to try "PIPER" just once. We know that once you have started, you will become a permanent friend of this wonderfully wholesome, healthful and satisfying tobacco. In writing us please tell us the name of the dealer from whom you buy your tobacco.

Sold by dealers everywhere, in all size cuts from 5c up—also in handy 10c tin boxes

THE AMERICAN TOBACCO COMPANY

Room 1106

111 Fifth Avenue

New York City

Flowers for the Country Home

(Continued from Page 7.)

tinued until near the middle of December, and were as lovely as catalog pictures. Especially were the gold and silver wedding varieties beautiful.

Early in the spring I take rich garden loam, some well rotted manure, and a little sand, which I mix thoroughly. The buckets should have plenty of drainage through holes punched in them, and a few rocks or pieces of broken crockery should be put in the bottom. Then fill the buckets half or two-thirds full of dirt, set in the plant and pack dirt carefully around it. If dirt is not filled in for the last inch at the top of bucket they can be watered to much better advantage.

Place in the shade for a few days, or until rooted, then give them a sheltered spot in the sun, and you will have strong, hardy plants. Give plenty of moisture, but water them in the evenings. In August, and again in September, give a good drink of liquid manure. After the buds begin to show pinch off many of those on the sides. This insures larger blossoms. Should worms get in the soil drench thoroughly with lime water. I leave mine out until about November 1, according to the weather, then bring them in and set on a table by an east window. If you are a flower lover their blossoms will well repay you for their care.

Mary Storey Whitsitt.

Madison, Kan.

Haphazard Planting Doesn't Count.

[Prize Letter.]

Nothing adds more to the home-y appearance of the country place than trees, grass and flowers, provided these are well placed. Old rundown houses may be made positively beautiful by flowers and vines; and the only way to relieve new houses of their stiff, formal appearance is to give them a setting of shrubbery and flowers.

But to plant in a haphazard manner adds little beauty; in fact, in some cases it actually detracts from the appearance of the home surroundings. First, then, there should be some definite plan which will be a guide for present plantings and allow of future acquisitions. It is a good idea to enclose the lawn and garden in one chicken-tight enclosure. The garden may be separated from the lawn by a border of flowers or shrubbery. If a fine effect is wanted for a very small outlay of time and money let your screen or border be composed of a row of cannas. Plant the tubers 6 inches deep and 3 or 4 feet apart in fertile, deeply plowed soil. The flower border should receive the same coating of well rotted fertilizer as that given the garden, and should be deeply plowed in fall or early winter. This insures the moist subsoil which gives vigorous, dark green leaves and fine blossoms.

A smooth level greensward is the correct setting for flower beds or borders; but do not put flowers in the middle of the lawn. Arrange the flowers in plantings in nooks and angles of buildings, along the side or back of fences, or in a border at the side of the lawn. Select flowers for planting near the house with reference to the color of the building. If the house is white or buff make use of many green vines and cream or white flowers. If the building is a shade of green or gray almost any color of flowers may be used.

Mrs. Pruda B. Utley.

Maple City, Kan.

Begin With Hardy Varieties.

[Prize Letter.]

If you are planning the first flower garden it will not pay to undertake too much the first spring. In the beginning it is well to plant only hardy varieties that are adapted to your locality. Later you may branch out on new lines, as you have time and inclination. We have just improved a new place, the ground is raw and new, and there is no wind-break, so the ideas I will give will be suitable for any beginner.

I will not have the grass dug up for set flower beds and would not advise anyone to do so if there is a good grass lawn. Such a lawn does so much toward beautifying a place that I feel it should never be sacrificed even for the choicest flowers. I will have a narrow rim of flowers all along the walks, along the edge of the lawn—there is no fence—and close against the house, over the well

curbing, and in odd places and vacant corners. Plants and vines can thus be utilized to conceal unsightly places, thereby improving the general appearance without taking up any yard or grass space.

Flower boxes are very convenient to place on porches and around in odd corners. My flower boxes are store boxes of the right size and shape which I saved and remodeled. The north side of the house is the best place for pansies. Sow the seed in boxes, then transplant. It is high time to sow the seed now. Even the last of February is not too early. With protection from hot sun and wind they will bloom until frost. The seed should never be allowed to ripen; pinch off the flower stems as soon as the flower begins to wilt. During dry weather set fruit cans, with holes punched through the bottom, at intervals in the bed, and fill occasionally with water. I have known pansies treated in this way to bloom through one of the longest drouths known in Kansas.

Nasturtiums do well on the east side of the house, both the dwarf and climbing. The latter can be trained on a trellis. Dwarf four o'clocks are pretty and very hardy. Get the dwarf mixed. Dwarf marigolds and asters also do well anywhere. Petunias are good for borders; if there is no fence they make a good lawn border. Sweet peas should be put out as early as possible, on the east or north side of house. With plenty of moisture they will bloom until late in the fall. Japanese morning glories are good for any porch with a south opening. Verbenas and phlox should be put along the south side, as they need plenty of sun. All the above are annuals, very hardy, and free bloomers. Roses and shrubbery can be put out along the edge of the lawn and back yard and along side fences.

So much for a start. Perhaps next year you will try some new things. Anyway, if you get a collection of bulbs in the fall and hide them away in the sod of your lawn you will be richly repaid. In early spring they will brighten things up wonderfully. Just break through the sod enough to drop the bulb in. It will come through without further attention.

House plants can be transplanted every spring and put among the annuals. Geraniums need a rich soil and plenty of sun. Under favorable conditions they bloom profusely all summer. Begonias, ferns and foliage do not need so much sun.

I have mentioned only such varieties as are easily grown. They will do wonders toward brightening up the home both outside and within.

Barbara G. Penix.

R. 5, Salina, Kan.

County Agents Give Results

BY F. W. MURPHY.

Billions of dollars have been spent in these United States in gathering data, in demonstrating, in experimenting and in educating a few people as to scientific methods of farming. Until a short time ago this vast knowledge has been stored in great non-overflowing rivers, navigated by the few, or in immense university reservoirs, unconnected with canals, or, as some one has said, in cold storage.

At last the earnest men and women engaged in this work have seen the light. They have found the county agent. They are beginning to get results through these men who are taking knowledge to the people on the land. The county agent represents the overflow of the river, the canal that carries the life-giving water, the machine that distributes the accumulated fertility. He is the connecting link between the sources of knowledge and the people on the land.

We have today enough knowledge stored up in our state university and other schools to re-direct the agriculture of a continent and revolutionize the farming and business and living of all the nations of the globe. To get it to the people who need it is the problem. To my mind, the county agent system offers the solution.

If you don't want to scratch your head over peevish chicks, keep them scratching early and late, unless it's very hot. Then provide a cool and shady spot for them to loaf in during the heat of the day.—W. A. Lippincott.

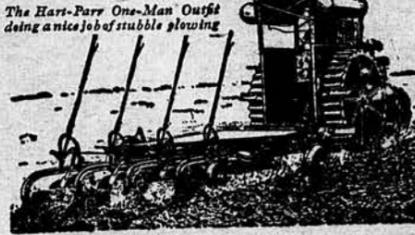
SPRING PLOWING

Making It Pay

Bigger profits—greater benefits—endless satisfaction—follow the use of Hart-Parr power outfits.

If you farm with horses or mules now, sell most of them, invest in a Hart-Parr power outfit and let it do all your heavy work; plowing, discing, seeding, etc. With a Hart-Parr outfit you can easily get your spring plowing done RIGHT and on time. You can make it a bigger profit paying operation than ever before. The worry and hard drudgery it saves—and the increased crops—go a long way towards paying for the outfit the first year.

The Hart-Parr One-Man Outfit doing a nice job of stubble plowing



HART-PARR & HART-PARR

OIL TRACTOR

SELF AND HAND LIFT PLOW

The One-Man Outfit, illustrated above, replaces 10 to 12 sturdy horses. One man handles entire outfit from engine platform. No plowman's board or wages to pay. No back-breaking work lifting stubborn hand levers. A slight jerk on the clutch rope lifts and lowers the plows automatically.

This outfit will plow 10 acres daily—shallow or deep—just as you desire. Work it 24 hours and easily plow 20 acres daily, at a cost of only 50 to 80 cents per acre. Uses cheapest kerosene for fuel. It's a big profit maker on as little as 100 acres.

"Hold Fast" extension lugs enable Hart-Parr tractors to go into the field and stick to the job when other tractors are forced to stand idle because of soft soil.

We have a power outfit to fit your farm, at a price to fit your pocket-book. Consult us on your power requirements. Let us tell you just why a Hart-Parr outfit will make your farm pay biggest profits, with the least amount of time and labor. Write today for descriptive catalogs, special bulletins and literature on power farming costs.

HART-PARR CO., 234 Lawler St., Charles City, Ia.

Why Jones Did Not Succeed

(Continued from Page 3.)

rule it doesn't take long, and there is not much work done until corn shucking time. The corn shucking has not taken very long, for several years past, and then all that is done is the chores and a little plowing until spring work begins. Once in a while Jones or one of the boys will help a neighbor with a little work like hauling hogs or butchering a calf, but as a rule this is only for a day or two at a time. The practice is to go to town several times a week. Jones almost always is there every Saturday afternoon. He is a charter member of the whittling club which meets in Tom Johnson's grocery store in the winter; in the summer the members sit out on the steps of the state bank.

Jones likes to be with his fellows. And what is more they like him; he is rather popular even if some of the livestock men who have made a great deal more money sometimes are inclined to make harsh remarks about his farming operations. And he has tried to be kind to his family in a way. The contrast, however, between what the home is and what it might have been is sad to see. Mrs. Jones is rather sad and bent and old. She had a frail look about her tired eyes the last time I visited the place.

That Tired Look.

Much of that tired look and bent shoulders came from carrying water for the last 25 years up a hill to get it to the house. She never could get Jones worked up to the point where he would put in a pump to force that water into the kitchen. The system Mrs. Jones asked for would not have cost much; he could have come nearer affording it than many other things he has bought. Mrs. Jones realizes the tragedy of it all, and while she does not see all the scientific factors that underlie the wreck they have made of the home and the farm, she is the one who suffers.

One of the saddest things I have known was one day when she talked of the old, weather-beaten, unpainted house; of the poor crop yields; of the little money that came in; of the way she had to economize and of the way the children had left home, one by one. She has all but reached the end of life—and brightness and joy can never be hers.

And it was not always that way. A successful Kansas farmer, a man who handles many thousands of dollars in the course of a year, told me the story recently of their start in life. We were sitting in the big, well furnished home of this man, and as he talked I could look out to the barnyard, where a large herd of cattle was collected, eating the feed in the racks. My friend's success had been founded on livestock, mostly cattle. He and the man now known as "Old man Jones" had been boys together, and when they started out in the world they had the same capital, the same youth, the same health.

Just An "Average" Man.

"Jones was just an average man, and he married a girl that was just about like the rest of the girls, intelligent, healthy and a good worker," said the successful man. "We were all poor in those days, back in Illinois. Jones and I got married about the same time, and we came to Kansas together, with three other families from the same community. We 'took up' government land, and started into the farming game. Jones never would make any effort to get a start in cattle and he never would grow anything on that farm except grain, which he always sold. The mortgage will get his farm before long now; he can't keep up that game much longer. It is rather hard on Jones, but the greatest disappointment has come to his wife. She feels the wreck they have made of things more keenly than he or any other man can feel it."

Jones has made many mistakes of course, but it is easy to see that three are of special importance. The first was in not providing more home comforts. He should have tried to help his wife in making a real home instead of a place to eat and sleep. The second mistake was in not keeping livestock. The last, or rather, the chief mistake has been in the queer system of soil management used, in which crop rotations and legumes have been left out. It was wrong to stick to the hay baling game, of course, but if he had worked into the livestock

business he naturally would have dropped out of the other.

Down the road three miles from the Jones place is a big farm home with a collection of barns, sheds and two tenant houses near it. It is the home of my successful friend. The big herd of cattle is well sheltered, and there is plenty of alfalfa and clover hay in the mow and plenty of silage in the silos to feed them until spring. Water is forced to the yards and sheds and houses by gravity; and the home contains all other modern improvements. There were five children in this family, four boys and one girl. Two of the boys are married and well started in farming. The other two are at home. They expect to become farmers. The girl is a farmer's wife; her husband is one of the leaders among the younger livestock men of that section.

A sorry contrast, isn't it? The man down the road with money enough for the rest of life—and a place that is home in fact; and Jones, three miles to the west, on the edge of life with nothing that's his. Next year, perhaps before fall, he'll be a tenant.

Flaws in the Parcel Post

(Continued from Page 11.)

it in 2 pound packages to customers, it would be a great help if we could send our butter in pasteboard boxes by parcel post right at the door.

Mrs. Frank Eastwood.

R. 1, Glencoe, Okla.

The regulations covering the sending of butter by parcel post, require the sender to use a wrapper or container such that if the butter should become soft or melt, it would not run out over the other mail. If properly wrapped in oiled paper, placed in good cardboard cartons, and sealed, the requirements would be met with and your postmaster should accept butter so wrapped.—Ed.

Views of a Merchant.

I think that the reason farmers and producers are not receiving much benefit from the parcel post is not that the system has some weak point but because of the gap between consumer and producer. The consumer is not willing to pay enough for the farm products to pay the producer for the extra trouble and cost of transportation. While eggs were retailing at 40 cents in Kansas City, the farmers were getting 30 to 32 cents for these same eggs at their home market and did not have to bother to pack them to ship to the city. The consumer in the city would not be willing to pay the producer 40 cents a dozen, so the producer makes more profit by selling the eggs at home.

Why should the consumer wait for a delayed shipment of eggs when they are needed immediately, and can be obtained from the home merchant for 40 cents a dozen and on 30 days' time? Perhaps you will say, let a club of consumers go together and get their eggs from the producer in 15 or 20-dozen lots. In that case one person would have to do the ordering and send the cash to the producer and if some member of the club didn't have the change, the one ordering the eggs would soon find he was conducting a credit business without any profit to himself. Dissatisfaction would be the natural result.

My experience as a country merchant in western Kansas has taught me that it would be next to impossible to ship eggs by parcel post during the hot summer season and get them to their destination in good condition. During that season perishable products must be gathered by the country merchants or produce buyers, shipped in refrigerator cars, and then put in cold storage. Uncle Sam will have to make another guess before he can distribute farm products as cheaply as the middlemen who are despised by many, I think through lack of knowledge. I am willing to stand by the middleman who does a straight, legitimate business. I would like to say here that I own some farm property in western Kansas and am interested in marketing farm products from a producer's standpoint and have no particular interests with the middlemen.

As a whole I think the parcel post system is a good thing. It has made the express companies take off their hats to the public with lower rates and more consideration for the people, but I do not think it has drawn the producer and consumer of farm products very much closer together.

Ogden, Utah.

R. E. Weeks.



Tires that did not require setting in thirty years—on a Studebaker

AFTER thirty-six years of constant use Mr. William H. Horton, of Nineveh, N. Y., writes that his Studebaker farm wagon is as good as ever.

The wheels of Mr. Horton's wagon were run for thirty years without setting a tire. Mr. Horton writes:

"I have a Studebaker wagon purchased in 1877. The wagon now bears the original number and name of dealer; No. 33,435. Sold by Daniel Mann, Cobleskill. This wagon has had constant use since date of purchase and the wheels were run 30 years without setting a tire. The wagon is in good condition today."

WHAT IS THE REASON FOR THIS?

The fact that Mr. Horton used his Studebaker wagon for thirty years without setting a tire means that the wheels were properly built. Its hubs, spokes and felloes were all made of the best materials.

Anyone could have bought them and built them into a wheel, but Studebaker got only build of the best, but they season their materials properly, and then combine these materials in a scientific manner so as to distribute the strain over the entire wheel and

therein lies the reason why the Studebaker wagons run so easily and last so long.

The fact that the wheel material is properly seasoned, dipped in oil and built in the Studebaker way is the reason why Studebaker's tires stay on for thirty years and often times longer.

You will be making a good investment when you buy a Studebaker wagon, a Studebaker Buggy—or Studebaker Harness. They are the best you can buy—and outlast others.

STUDEBAKER

NEW YORK MINNEAPOLIS CHICAGO SALT LAKE CITY DALLAS SAN FRANCISCO KANSAS CITY DENVER PORTLAND, ORE.

Studebakers last a lifetime

Horses, Mules & Cows Should be CLIPPED

They are healthier and give better service. When the heavy coat that holds the wet sweat and dirt is removed, they are more easily kept clean, look better, get more good from their feed and are better in every way. Horses and mules take on new life and energy when clipped and naturally work better. Clipping the flanks and udders of cows prevents the dropping of filth into the milk. The best and most generally used clipper is the Stewart Ball-Bearing Clipping Machine, the only machine that can be used on horses, mules and cows without change. It turns easier, clips faster and closer and stays sharp longer than any other. Gears are all file hard and cut from solid steel bar. They are enclosed, protected and run in oil; little friction, little wear. Has six feet of new style easy running flexible shaft and the celebrated Stewart single tension clipping head, highest grade.

Price \$7.50 Get one from your dealer or send us \$2.00 and we will ship C. O. D. for balance. Your money and transportation charges returned if you are not satisfied.

STEWART BALL-BEARING CLIPPING MACHINE \$7.50

Get More Money for your wool. You not only shear and disguise your sheep but lose a dollar on every six you shear the old way. Figure how much more money you'll get if you use a Stewart Shearing Machine. It's the most perfect hand operated shearing machine ever devised. Has ball bearings in every part where friction or wear occurs. Has a ball bearing shearing head of latest improved Stewart pattern. Price complete, including 4 combs and 4 cutters of the celebrated Stewart quality is \$11.50. Get one from your dealer, or send \$2.00 and we will ship C. O. D. for balance. Money back if not satisfied.

Quickly—Good Long Wool

STEWART'S No. 9 BALL-BEARING SHEARING MACHINE \$11.50

CHICAGO FLEXIBLE SHAFT CO. CHICAGO, ILL.
213 Ontario St.,
Write for complete new catalog showing world's most modern line horse clipping & sheep shearing machines.

Now! A 6 H.P. ENGINE \$99.95

Let me send you an Engine to earn its own cost while you pay for it.

WITTE ENGINES

Look at These Prices!

2 H.P. \$39.45; 4 H.P. \$75.50; 6 H.P. \$99.95; 8 H.P. \$139.65; 11 H.P. \$208.90; 20 H.P. \$389.50.

Other sizes up to 40 H.P. Proportionally Lower.

Get my latest and best offer—all complete with my New Book, the finest in the engine business. Write me before you arrange to try any engine.

ED. H. WITTE, WITTE IRON WORKS CO. 1545 Oakland Avenue, Kansas City, Mo.

No Need Now to pay double price for a good engine, or to take a poor, or doubtful one for any kind of price.

For 27 years (since the beginning of gasoline engines) the WITTE has proved its value at all kinds of work, in all parts of the world. It is today better than ever, while the price is lower. My manufacturing advantages make this possible. I am simply sharing my unusual advantages with engine buyers. Let me write you more about the WITTE and post you on engine buying.

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60 Days Free Trial. 5-Year Guaranty

Made in regular, standard sizes of 1 1/2, 2, 4, 6, 8, 11, 12, 15, 20, 25, 30 and 40 H.P. Stationary, Portable, Skidded and Bawrig Styles. My Free Engine Book explains everything, fully.



FARMERS CLASSIFIED PAGES

Advertisements will be inserted in this department for 5 cents a word each insertion for one, two or three insertions. Four or more insertions 4 1/2 cents a word each insertion. Remittances should preferably be by postoffice money order. All advertisements are set in uniform style. No display type or illustrations admitted under any circumstances. Each number or initial counts as one word. Guaranteed circulation over 104,000 copies weekly. The rate is very low for the large circulation offered. Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified advertising because it gives the best results. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery goods, for renting a farm, for securing help or a situation, etc., etc. Write for proof that it pays. Everybody reads these little ads. Try a classified for results.

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"RINGLET" BARRED ROCKS EXCLUSIVELY. 15 eggs \$1.50; 100 \$6.00. Frances Shuff, Plevna, Kan.

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BARRED ROCK EGGS. PRICE REASONABLE, considering quality. Write Milton Dehl, Lawrence, Kan.

WHITE ROCKS. FISHEL STRAIN. EGGS, 15 \$1.25; 50 \$2.75; 100 \$5.00. Mrs. Frank Powell, Buffalo, Kan.

BIG TYPE BARRED ROCK EGGS. FROM ten pound hens, and twelve pound cocks. A. H. Duff, Larned, Kan.

SIX EXTRA GOOD BUFF ROCK COCK- erels, \$2.00 each. Eggs in season. Mrs. K. M. Gilbert, Coldwater, Kan.

PURE BARRED ROCK EGGS. BY PAR- cel post. 15 \$1.50, 50 \$3.50, 100 \$6.00. Mrs. H. Buchanan, Abilene, Kan.

CHOICE BARRED PLYMOUTH ROCK cockerels at \$1.50 to \$3.00 each; also eggs. E. Leighton, Effingham, Kan.

PURE WHITE PLYMOUTH ROCKS. FINE layers. Eggs \$1.00 per 15, \$4.50 per 100. Mrs. R. Chalfans, R. 1, Newton, Kan.

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FINE SINGLE COMB WHITE LEGHORNS. Eggs, chicks. Armstrong Leghorn Range, Arthur, Mo. PURE SINGLE COMB WHITE LEGHORN cockerels \$2.00 and \$3.00. Hugh Harrison, Jewell, Kan. SINGLE COMB WHITE LEGHORN EGGS 15 \$1.00, 100 \$5.00. Royal Yeoman, Lawrence, Kan. SINGLE AND ROSE COMB WHITE LEGHORNS. Bred-to-jay. A. L. Buchanan, Lircoln, Kan. S. C. WHITE LEGHORN EGGS \$1.00 PER 15, \$3 for 90. Eugene Bailey, Okla City, Okla., R. 8. SINGLE COMB BROWN LEGHORNS. Eggs \$2.50 per hundred. Mrs. Chas. Ginn, Haddam, Kan. SINGLE COMB BUFF LEGHORN EGGS. 15 \$1.00, 100 \$5.00. Mrs. Frank Wempe, Frankfort, Kan. ROSE COMB BROWN LEGHORNS. KULP strain; pure breds. Eggs \$4 100. Mrs. Mary Miek, Ransom, Kan. PURE BRED S. C. BROWN LEGHORN cockerels \$1.50 each. Order at once. A. B. Haug, Centralia, Kan. CHOICE SINGLE COMB BROWN LEGHORN eggs 15 \$1, 100 \$5. Baby chix 12c. Mattie Ulm, Kincaid, Kan. S. C. W. LEGHORNS FROM D. W. Young's New York winners. Eggs \$5.00 100. G. W. Buck, Larned, Kan. S. C. W. LEGHORN EGGS, 100% FERTILITY guaranteed. Express prepaid. Robert Ketcham, Boonville, Ind. ROSE COMB BROWN LEGHORN COCKERELS. Single Combs; females only. Mrs. Ida Standiford, Reading, Kan. CHOICE SINGLE COMB BROWN LEGHORN eggs \$4.00 hundred. Breeder for 15 years. F. B. Cole, Sharon, Kan. EGGS—FULL BLOOD SINGLE COMB Brown Leghorns. 15 \$1.00; 50 \$2.50; 100 \$4. Mrs. Mattie Story, Cleo, Okla. SINGLE COMB WHITE LEGHORNS—Crystal strain. Eggs \$4 100. Mated pens \$1.25 15. O. N. Keller, Le Roy, Kan. FERRIS SINGLE COMB WHITE LEGHORN cockerels. Reasonable. "Bred to lay" stock. Frank Fisher, Wilson, Kan. SINGLE COMB WHITE LEGHORNS. Many score 95 to 96%. Finest eggs. Range vigor. Mrs. Albert Ray, Delavan, Kan. MY FAMOUS S. C. W. LEGHORNS WIN everywhere. Eggs \$5 100. Baby chix \$10 100. Geo. Patterson, Lyndon, Kan. ROSE COMB WHITE LEGHORN EGGS. Heavy layers. \$1.00 per 15, \$5.00 per 100. Circulars. Jennie Martin, Frankfort, Kan. S. C. BUFF LEGHORN PULLETS. Laying, good color. Fine, well culled stock. \$1 each. Cyrus Gittings, Winfield, Kan., Route 1. LATEST THING. GREAT ENGLISH Laying strain of Single Comb White Leghorns. Egg catalogue free. Mary Culver, King City, Mo., R. 1. CHOICE S. C. BROWN LEGHORN EGGS from Neb. State Show prize winners at 75c per 15 or \$4.00 per 100. C. V. Douglas, Tecumseh, Neb. SINGLE COMB BROWN LEGHORNS. First premiums state fair 1913. Eggs, 15 \$1.00, 100 \$5.00. Circular free. Geo. Russell, Chilhowee, Mo. ROSE COMB WHITE LEGHORNS BRED exclusively ten years. Fifteen eggs one dollar, one hundred five dollars. Corless Chartier, Miltonvale, Kansas. BARRON'S LEGHORNS. IMPORTED SISTERS and brothers of Mo. egg contest winners. Quality White Runners. Mating list free. Jas. R. Snyder, Box M, Frazer, Mo. PURE BRED SINGLE COMB WHITE LEGHORNS. Wyckoff cockerels mated to Frantz hens and pullets. Eggs, 15 \$1.00; 100 \$4.00. Adolph Berg, McPherson, Kan. ROSE COMB BUFF LEGHORNS. BRED exclusively nine years. Vigorous, heavy laying strain. 15 select eggs \$1.50. Safe delivery guaranteed. Goldenrod Poultry Farm, Mesa, Colo. PURE BRED SINGLE COMB WHITE LEGHORNS, range raised. Eggs for setting \$4.00 per hundred. Every bird in flock has been passed on by Judge Atherton. Harry Givens, Madison, Kan. SMITH'S SINGLE COMB WHITE LEGHORNS. Headed by "Frantz" and "Yesterday" cockerels. Eggs, fifteen \$1.50, hundred \$7.00. Range \$5.00 hundred. Mrs. Flora Smith, Amorita, Okla., R. 2. ROSE COMB WHITE LEGHORNS. EGGS thoroughbred blue ribbon winners. Pen No. 1 \$3.00 for 15, \$5.00 for 30, \$10.00 for 100. Pen No. 2 \$2.00 for 15, \$3.00 for 30, \$7.00 for 100. Cockerels for sale. Mrs. W. E. Masters, Manhattan, Kan. BABY CHIX. YOU BUY THE BEST THOROUGHbred baby chicks guaranteed for the least money at Colwell's Hatchery, Smith Center, Kan. HAMBURGS. SILVER SPANGLED HAMBURG COCKERELS and pullets. J. L. Carmean, Neosho Falls, Kan. SILVER SPANGLED HAMBURGS. EGGS from prize winning stock. Correspondence solicited. W. D. Alexander, Thomas, Okla. RHODE ISLAND WHITES. ROSE COMB RHODE ISLAND WHITES. Eggs, 15 \$1.50, 50 \$4.00, 100 \$8.00. Best winter layers. Grand table fowl. Col. Warren Russell, Odessa Farm, Winfield, Kan.

LANGSHANS.

BLACK LANGSHAN COCKERELS \$1 each. Sarah Peters, Nashville, Kan. WHITE LANGSHANS. EGGS \$1.10 PER 16 post paid. Wm. Wischmeier, Mayetta, Kan. BLACK LANGSHAN EGGS. SCORED birds. \$1.50 per 15. John Bolte, Axtell, Kan. PURE BRED WHITE LANGSHAN HENS, pullets, cockerels. Mrs. Geo. McLain, Lane, Kan. BLACK LANGSHAN EGGS. COCKERELS \$2. White Indian Runner duck egg. H. H. Tillotson, Latham, Kan. BIG BONED BLACK LANGSHAN COCKERELS, scored, \$2.50 each; guaranteed. H. Osterfoss Farm, Hedrick, Iowa. TENNEHOLM LANGSHANS. BIG, BLACK, beautiful. Eggs \$1.50 per 15, \$2.50 per 30. Mrs. E. S. Myers, Chanute, Kan. KLUSMIRE'S IDEAL BLACK LANGSHANS. Eggs from choice matings. Write for prices. Geo. Klusmire, Holton, Kan. FINEST BRED BUFF AND BLACK LANGSHANS. For stock and eggs write J. A. Lovette, Poultry Judge, Mullinville, Kan. BLACK LANGSHAN EGGS FROM HIGH scoring winter layers, \$1.00 per 15 or \$4.00 per 100. Geo. W. Shearer, Lawrence, Kan. BLACK AND WHITE LANGSHAN, HOUDAN stock sold out. Eggs \$2.00 per 15. Write for booklet. E. D. Hartzell, Rossville, Kan. BLACK AND WHITE LANGSHANS. EGGS from stock winning every 1st at Kansas State Fair and State Show \$3.00 for 15. Range flock \$6.00 for 100. H. M. Palmer, Florence, Kan. TURKEYS. NARRAGANSETT TURKEYS. MRS. JOHN Mitchell, Lafontaine, Kan. PURE BOURBON RED TOMS. R. L. McCormick, Yates Center, Kan. CHOICE BOURBON RED TOMS \$4 EACH. Mrs. Oliver Butcher, Sedan, Kan. PURE BRED BOURBON RED TOMS AND hens. Mrs. Sam Clark, Hazelton, Kan. THOROUGHbred BOURBON RED TOMS \$4. Mrs. Oscar Kosar, Minneapolis, Kan. BOURBON REDS. FINE STOCK. EGGS \$3 for 11. Julia Haynes, Balleysville, Kan. W. H. TURKEY TOMS AND W. GUINEAS at right prices. F. E. Wentz, Burlington, Kan. EGGS—MAMMOTH WHITE HOLLAND turkeys. Catalogue free. Mary Culver, King City, Mo., R. 1. BOURBON RED TURKEYS. 2 YR. OLD breeders. Eggs \$5.00 per 11. Free catalogue. Stover & Myers, Fredonia, Kan. BOURBON RED TURKEY EGGS. FROM large dark red thoroughbreds. Directions for raising with each setting. 11 for \$3.00. Mrs. C. B. Palmer, Uniontown, Kan. MAMMOTH BRONZE TURKEYS—FIRST prize winners at Independence and Wichita (State shows), 1914. Large, vigorous, beautiful bronze color. None better. 30 fine young toms and 35 pullets for sale. Eggs from winners. Mrs. H. E. Bachelder, Fredonia, Kan. BRAHMAS. STRICTLY HIGH GRADE LT. BRAHMAS. Stock and eggs for sale. Mrs. F. O'Daniel, Westmoreland, Kan. FROM PASSED SWEEPING WINNINGS my Light Brahmans need no further recommendations. Cockerels, pullets and eggs for sale. Mrs. J. R. Kenworthy, Wichita, Kan. COCHINS. BUFF COCHINS FOR SALE. A FEW GOOD quality large cockerels left. J. C. Baughman, 2215 Lincoln St., Topeka, Kan. MINORCAS. SINGLE COMB BLACK MINORCA EGGS \$2.00 15. A. L. Liston, Garden City, Kan. S. C. WHITE MINORCAS. PURE BRED. Eggs \$2 for 15. A. Goodwyn, Minneapolis, Kan. ROSE COMB BLACK MINORCA EGGS. Pen \$2.50. Range \$1.50 per 15. Mrs. Olive Hollingsworth, Mound City, Kan. S. C. BLACK MINORCAS WITH SIZE AND quality guaranteed. Eggs per setting \$1.50. W. F. Fulton, Waterville, Kan. SEVERAL VARIETIES. TURKEYS, CHICKENS, GESE, DUCKS. Emma Ahlstedt, Roxbury, Kan. BOURBON RED TURKEYS AND ROSE Comb Red cockerels. Mrs. Walter Dixon, Severy, Kan. ROSE COMB REDS, SILVER LACE WYANDOTTES. Eggs, 17 \$1.00, 100 \$5. Mrs. Ola Elliott, Delphos, Kan. BLUE ANDALUSIAN AND S. S. HAMBURG chickens. Eggs in season. A. A. Neufeld, Inman, Kan., Route No. 4. BLACK MINORCA AND SILVER WYANDOTTE eggs from select pens, \$1.50 per 15. Mel. Pohlens, Argonia, Kan. EGGS FOR SALE. GOLDEN AND SILVER Wyandottes. Rose Comb Black Minorcas. C. H. Saunders, 1420 Fuller St., Winfield, Kan. W. WYANDOTTE COCKERELS AND Bourbon Red toms for sale. Cockerels \$2.00. Toms \$4.50. Chas. Crane, Conway Springs, Kan.

SEVERAL VARIETIES.

43 VARIETIES, POULTRY, PIGEONS, Ducks, Geese, Turkeys, Guinea, Incubators, Dogs. Catalogue 4 cents. Missouri Squab Co., Kirkwood, Mo. EGGS BY SETTING OR HUNDRED FROM Prize winning Buff Orpingtons, White Orpingtons and Banded Plymouth Rocks. W. G. Saip, Belleville, Kan. 50 VARIETIES THOROUGHbred Chickens, ducks, geese and turkeys. Eggs and fowls, low prices. Catalog free. Weber Poultry Farm, Mankato, Minn. WHITE ROCK EGGS FROM THE BEST stock \$5 for 100, \$1 for 15. Indian Runner ducks, extra layers, eggs \$1 for 15. Mrs. E. E. Williams, Sabatha, Kan. S. C. WHITE MINORCAS, TEEZT STRAIN, none better. Rose Comb Rhode Island White, Excelsior strain, the best. Eggs for sale. A. Manley, Cottonwood Falls, Kan. BIG BARRED ROCKS. EGGS FOR SALE \$4.00 hundred. Fawn and White Indian duck eggs \$8.00 hundred. Special prices on large orders. Chas. Cornelius, Blackwell Okla. EGGS OF ALL VARIETIES REASONABLE. (25% discount for pamos). Special for short time. Runner and Buff Orpington ducks and White Holland turkeys. Kansas Poultry Farms, Virgil, Kansas. RHODE ISLAND REDS, BOTH COMBS, thoroughbred and non-fading; also White Rocks, White Wyandottes and Banded Rocks. Eggs for sale. Write for mating and price list. A. Frogge, Oakley, Kan. THE SUNFLOWER POULTRY FARM, Kansas City, Kansas, Office 546 S. 11 St. Breeder of Buff Orpingtons, Rhode Island Red, Black Minorcas, Banded Rocks, Pekin and Indian Runner ducks. Settings at popular prices. Fertility guaranteed. ROSE COMB REDS. NEW BLOOD OF the best. 100 eggs \$4.25, 50 \$2.75, 15 \$1.25. Parcel post or express. Add 20 per cent and I will prepay for 350 miles. White Indian Runner ducks, Fishel strain, \$2.50 for 12 eggs prepaid. James A. Harris, Latham, Kan. EGG CARRIER. FISH'S MOLDED EXCELSIOR CARRIER. "Can't Break System" for eggs, butter and produce by parcel post. What you have been looking for. 12 to 200 egg sizes. Circular free. P. C. Fish, 4334 Bellevue, Kansas City, Mo. MISCELLANEOUS. PURE BRED HOMING PIGEONS, MATED \$1.50 pair. Tamworth hogs. Frank Lindner, Clay Center, Kan. PHEASANT EGGS FOR SALE. GOLDEN, Silver, and Chinese ring neck. C. W. Newman, Sabatha, Kan. CAPONS, TURKEYS, DUCKS, CHICKENS, guineas, pigeons wanted. Address The Cope's, Topeka, Kansas. WANTED—BLACK SPANISH COCKERELS and cocks. Give lowest price in first letter. H. W. Chestnut, Kincaid, Kan. WANTED BABY CHIX. LT. BRAHMAS, Bk. Minorcas, Reds, Games, Bantams. Shelton & Co., Baby Chix Market, Denver, Colo. WANTED BABY CHIX. REDS, WYANDOTTES, Brahmans, Games, bantams, Bk. Minorcas. Shelton & Co., Baby Chix Market, Denver, Colo. CHICKS DEAD IN SHELL? LATEST methods of incubation will stop it. 25 cents postpaid. Edw. K. Stockfield, Lincoln, Neb., Route 6. HORSES, CATTLE, HOGS, SHEEP FOR SALE—TWO EXTRA GOOD YOUNG jacks. Walter Strong, Moran, Kan. ABERDEEN ANGUS BULLS READY FOR service. Alex Spong, Chanute, Kan. "GUERNSEYS." REGISTERED BULL calves. R. C. Krueger, Burlington, Kansas. 30 HIGH GRADE GALLOWAY COWS AND helpers for sale. Ed. Sloan, Satantz, Kan. SHETLAND PONIES, WHITE WYANDOTTES, Scottish terriers. S. Harr, Riverside, Iowa. FOR SALE—6 YOUNG JACKS READY for service. W. E. Loomis, R. 10, Emporia, Kan. HIGH GRADE JERSEY BULL MARCH calf, good shape, \$25. W. K. Morse, Guilford, Kan. WANTED—TWO OR THREE REGISTERED Holstein heifer calves. Robert Warthen, Lakin, Kan. HIGH GRADE HOLSTEIN MALES FOR sale. Write for prices. Vinton Carswell, Alton, Kan. FOR SALE—EIGHT HEAD OF PURE bred Shorthorn bulls, twelve months old. Ely Bros., Marion, Kan. FOR SALE REASONABLE PRICE, BEST young jack in county; has high reputation. J. S. Smalldon, Fairbury, Neb. DUROC-JERSEY BOARS FOR SALE Sired by Tatarax Jr. and Graduate Col. Write for prices. D. H. Axtell, Sawyer, Kan. HIGH GRADE HOLSTEIN CALVES, either sex, 3-4 weeks old. \$17 each, crated. Burr Oak Farm, Whitewater, Wis. REGISTERED ROAN SHORTHORN BULL coming three. For sale cheap. H. L. Jones, Frankfort, Kan., Route 6. PURE BRED DUROCS. 100 PIGS BOTH sexes. They will please you. Write today. Coppins & Clemmer, Potwin, Kan. FOR SALE—FOUR SHORTHORN Yearling bulls. Good individuals and good breeding. E. E. Hoacock, Hartford, Kan.

HORSES, CATTLE, HOGS, SHEEP

FOR SALE—REGISTERED ANGUS BULLS. The very best of breeding. Write for prices. J. W. Taylor, R. 8, Clay Center, Kan.

REGISTERED POLLED HEREFORDS. 1 bull 2-year-old in June and 18 months old heifer. Jack Hammel, 215 Adams St., Topeka, Kan.

FOR SALE—2 LARGE BONED JACKS, 15 hands 3 in. standard. 1 jinney, 1 fine Canadian Coach stallion. Ed Williams, West Line, Mo.

SHETLAND—PONIES. THREE MARES breaking for children, also two yearlings. Will close them out cheap. W. W. Dillworth, Beloit, Kan.

FOR SALE—JERSEY BULLS Sired by my 1,700 lb. Silverline Lorne and out of cows weighing 1,100 lbs. Chester Thomas, Waterville, Kan.

FOR SALE—AMERICAN BRED SADDLE horse two years old; registered; style; action and quality. Priced to sell. Jno. O. Evans, Asherville, Kan.

ORDERS FOR THE PURCHASE OF ALL classes of dairy cattle on a commission basis are solicited. Write me your wants. L. R. Brady, Manhattan, Kan.

MILCH GOATS—TOGGENBURG SAANE, heavy milkers. Peafowl, swan, golden seal roots, otter, mink, opossum. Prospectus 6 cents. Golden West Reserve, St. Paul, Ark.

I HAVE ONE EXTRA GOOD THREE year old Percheron stallion, well broke to harness and service, will sell, or trade for live stock. John H. Rust, Altamont, Kan.

STOCK COWS AND CALVES FOR SALE. 40 blk. cows, young, bred to registered bulls; fine condition. 34 yearlings. Estimated lot, 500 lbs. F. B. Newcombe, Seward, Kan.

FOR SALE. BLACK CLYDESDALE STAL- lion. Registered. 5 yrs. old. Weighs 2,000 lbs. Grade Belgian 7 yrs. old, weight 1,850. Sure breeders. N. P. Matter, Colony, Kan.

FOR SALE—2 POLLED HEREFORD bull calves, one heifer calf. Fall boars and gilts, Poland Chinas. Also some good farms near Lawrence, Kan. Write me at once. Ben Anderson, Eudora, Kan.

FOR SALE—REGISTERED PERCHERON stallion, dapple gray, two last November. Don't come unless you want first class horse. Also yearling stallion. Both priced right. Joe King & Sons, Potwin, Kan.

JERSEY HERD. BULL, ROYAL SHAM- rock 111774, imported, 18 mo. Three cows, 2, 3, and 4 years, registered, solid color, bred to son of Noble of Oaklands. Will sell all for value of bull, \$500. James Taylor, Iola, Kan.

"GUERNSEYS"—FOR SALE, NICELY marked 12 months old 3/4 grade Guernsey bull calf. Weight about 750 lbs. Dam descended from milking strain Shorthorns. Sire, Jethro Bass 2nd, dam has an official record. His half sister holds the world's Guernsey record in the 2 1/2 year old class. 12,976.5 lbs. milk, and fat equalling 782.7 lbs. of butter. Price \$55.00 crated for shipment. Another 3/4 grade six weeks old, \$25.00. The following registered stock for sale: Sept. bull calf \$65.00; July bull calf \$75.00. Hampshire sheep, bred ewes \$20.00; yearling ram \$25.00. Hampshire pigs, nicely bred, males \$10.00; females \$12.50. R. C. Krueger, Burlington, Kan., breeder of registered stock.

SEEDS AND NURSERIES

SWEET CLOVER. T. MARDIS, FAL- mouth, Ky.

EARLY OHIOS (RED RIVERS) \$1.10 bushel. The Cope's, Topeka, Kan.

FETERITA, FINE CLEAN SEED .03 pound. Jean Stadler, Elk City, Kan.

RECLEANED ALFALFA SEED AT \$5.75 per bushel. F. E. Wentz, Burlington, Kan.

FRUIT TREES, SHADES, ORNAMENTALS, berry plants. Waverly Nurseries, Waverly, Kan.

EXTRA GOOD BOONE COUNTY WHITE seed corn, \$2.25 bushel. J. B. Hunt, Oswego, Kan.

SEED CORN. GUARANTEED TO PLEASE. For free booklet address Merritt, Kellerton, Iowa.

SEED SWEETS FOR SALE. WRITE FOR price and list of varieties. Johnson Bros., Wamego, Kan.

BLACKHULLED WHITE KAFFIR, 1913 crop, tested, \$1.50 per bu., sacked. W. D. Austin, Isabel, Kan.

TREES AT WHOLESALE PRICES. FRUIT Book free. Address Wichita Nursery, Box B, Wichita, Kan.

ALFALFA SEED FOR SALE; EXTRA quality; sack free; send for samples. A. M. Brandt, Severy, Kan.

ALFALFA SEED. ONLY 35 BU. LEFT AT \$6 per bu. Recleaned and pure. L. Seewald, Le Roy, Kan.

SEED CORN—IOWA GOLD MINE; strong germination; \$1.50 per bushel. H. A. Hamilton, Yutan, Neb.

SEED CORN—BOONE COUNTY WHITE ear corn; extra quality; \$2.00 per bu. A. M. Brandt, Severy, Kan.

300 BU. OF YELLOW DENT AND CALICO corn for seed, hand picked, at \$1.50. I. N. Chilcott, Mankato, Kan.

SEED CORN. KANSAS GROWN. ST. Charles and Shawnee \$1.75 per bushel. St. Marys Grain Co., St. Marys, Kan.

BLACK HULL WHITE KAFFIR, BEST quality, threshed and graded \$3.25 per hundred. A. Ramsey, Mayfield, Kan.

SEED MAIZE—HAND SELECT. WELL matured 1912 cream maize in head \$3.00 per 100. J. A. Layton, Lucerne, Tex.

SEEDS AND NURSERIES

SEED CORN. BOONE CO. WHITE, tipped, shelled, test 98, \$2.00 per bu. George L. Wright, R. 3, St. John, Kan.

BLACK DWARF CANE SEED AND WHITE- hulled white kaffir \$3.00 per hundred, sacks free. J. G. Harkness, Ransom, Kan.

KHERSON SEED OATS, REID'S YELLOW Dent seed corn in the ear, alsike, timothy seed. F. M. Riebel & Son, Arabela, Mo.

FOR SALE—ALFALFA SEED. FINE quality alfalfa seed. Write for samples and prices. David Badger, Eureka, Kan.

SEED OATS. "REGENERATED" SWED- ish Select, free from fowl seed; also timothy seed. Theodore Franz, Mankato, Minn.

KAFIR SEED, PURE BLACK HULLED white, crop of 1913, threshed and graded, \$2.50 per 100-lbs, sack free. J. C. Lawson, Pawnee, Okla.

McGEE TOMATO—1,200 BUSHELS PER acre. Please send your address for the proof of this great fact. M. C. McGee, San Marcos, Tex.

SEED CORN—WHITE ELEPHANT. EX- tra heavy, cribbed early. Matures 90 days. Graded \$2.00 bu. J. C. Clemmons, Anadarko, Okla.

SEED CORN—ABOUT MARCH 10TH WILL have good seed corn, raised 1912. Yellow and white, for sale. N. Barber, Larned, Kan.

CHOICE RECLEANED FETERITA SEED. Three pounds, 50 cents delivered. \$2.00 bushel our track. W. R. Hutton, Cordell, Okla.

KAFIR SEED, BLACK HULLED WHITE, threshed, sacked, on cars, \$1.90 per 100 lbs., sacks free. Edward Carson, Mountain Park, Okla.

CHOICE RECLEANED ALFALFA SEED for sale \$7 per bu. Sample on application. Sacks free. B. H. Bicker, Dunlap, Kan.

FOR SALE—ORANGE AND EARLY AM- ber cane seed and white kaffir corn, \$2.00 per bu. F. O. B. Assaria, Kan. The Assaria Hardware Co.

DWARF BLACK HULLED WHITE KAF- fir, dwarf maize, white maize. Recleaned, \$1.50 per bu. Bags 25c extra. Ira Pierce, Pierceville, Kan.

ALFALFA SEED—HOME GROWN, RE- cleaned, non-irrigated, extra good. Write for sample. Per bu. \$6.00. Bags free. Jno. O. Evans, Asherville, Kan.

BLACKHULLED WHITE KAFIR CORN, recleaned and tested, \$2.00 per bu., for sale by grower; sacks 25c extra. H. W. Hays, Richland, Shawnee Co., Kan.

SEED FOR SALE—KAFIR CORN \$1.25; German millet \$1.50; yellow and white corn \$1.60; cane \$1.60. F. O. B. Pawnee, Jas. O. Hudson, Pawnee, Okla.

10 ELBERTA AND 5 CHAMPION PEACH trees for 95c by parcel post, prepaid. Pruned ready to plant. Order today and write for prices on other stock. Wellington Nurseries, Wellington, Kan.

1912 WHITE SEED CORN. CAREFULLY selected, shelled and graded, \$1.25 per bu. P. A. Flinigan, Havelock, Neb., R. 3, Box 40.

FOR SALE—SWEET CLOVER SEED. Great forage crop and soil renewer. Pure Ky. seed. Write for prices. R. E. Furdy, Falmouth, Ky.

FOR SALE—CLEAN PURE WHITE BLOS- som sweet clover seed of good quality. Sample free. Address Clawson States, Route 4, Lawrence, Kan.

SWEET CLOVER SEED, UNHULLED \$10 bu., hulled \$15. Berkshires, fall pigs, open gilt, bred sows, \$15 to \$35. Lester Pearls, Lyndon, Kan.

ALFALFA SEED. NINETEEN THIRTEEN crop alfalfa seed, five to six dollars per bushel. Recleaned and fine. Ask E. A. Fulcomer, Belleville, Kan., for samples.

GOOD SEED AT THE RIGHT PRICES, pure and non-irrigated. Feterita bu. \$3.50; kaffir \$1.60; cane \$1.75; alfalfa \$6.00. Sax free. American Seed Co., Eldorado, Kan.

1912 SEED CORN. RAISED ON PRAIRIE land, 60 bu. per a. Boone Co. W. and Golden Beauty. \$1.50 bu. F. O. B. Overbrook, Kan. A. Radcliff, Overbrook, Kan.

SHAWNEE WHITE SEED CORN, WILL grow. Sure and heavy yielder. Seed selected, tipped, shelled, graded and sacked \$2.00 per bu. J. A. Ostrand, Elmont, Kan.

SEED CORN—YELLOW DENT \$1.35 PER bushel. F. O. B. Einger, Okla., bags free, shelled or in the ear, guaranteed 95% test, samples free on request, my own raising, 1913 crop. W. N. Courtney, Anadarko, Okla.

BLACK HULL WHITE KAFIR, GERMI- nation tests high, crop 1913, threshed and recleaned, \$3.25 per 100 lbs., bags free. Reference, Bank of Gage. G. E. Irvin, Gage, Okla.

FOR SALE. TWO CARS WHITE WON- der corn, in ear. First class seed can be selected. 70 cts. per bushel on track here. Santa Fe R. R. E. C. Wheeler, Pawnee, Okla.

FINE CLEAN ALFALFA SEED DIRECT from grower. \$6.00 and \$7.00 per bu., sacks 25 cts. \$6.00 seed has some black seed, but will grow. G. A. Chapin, Belleville, Kan.

SEED CORN. REID'S YELLOW DENT, Commercial White, Early White Flint, Early White Dent. Graded; sacked, two dollars per bu. F. O. B. Haz Read, Jr., Coffeyville, Kan.

AM A PURE SEED CRANK AND HAVE cured a fine lot of Minn. No. 13 and N. W. Dent seed corn—excellent quality—germination nearly 100%. Will sell a limited quantity of either, shelled, at \$2.25 per bu., bags included. Also have some genuine Marquis wheat at \$2.00 per bu.—yielded 45 bu's. per acre. Money back if dissatisfied. J. J. Piper, Grandview Farm, Fairbault, Minn.

SEEDS AND NURSERIES

SEED CORN—BOONE COUNTY WHITE and Hildreth Yellow Dent, carefully selected, \$2.00 per bu. Choice feterita, 12 lbs. \$1.00; 50 lbs. \$2.85. B. A. Nichols, Hutchinson, Kan.

ALFALFA SEED—TESTED 99.6 BY KAN- sas State Agricultural College. \$7.00 per bu. Sack free. You may pay more but will not get any better seed. J. W. Morton, Elk Falls, Kan.

WHEAT RAISERS. THIS ADVERTISE- ment cut out and mailed to me with your name and address will bring you a certificate worth one dollar. Do it now. W. S. Wells, Sterling, Kan.

KAFFIR CORN SEED. WE HAVE SOME tested white kaffir we can furnish at \$2.75 per cwt. F. O. B. Redfield, sacks free. Reference Redfield State Bank. Redfield Lumber Co., Redfield, Kan.

SEED CORN, DWARF MILO MAIZE, white maize, white kaffir stock peas, feterita threshed and in the head. Ask for prices and our seed book for 1914. Blinding Stevens Seed Co., Tulsa, Okla.

SHAWNEE WHITE SEED CORN. BEST yielder here in 30 years' trial. Adapted to upland or bottom. Seed, selected, tipped, shelled and graded \$2.00 per bushel. J. A. Ostrand, Elmont, Kan.

FOR SALE—PURE RECLEANED FETE- rita seed at \$2 per bu. Also black hulled white kaffir corn at \$1.50 per bu., which won gold medal at Dry Farming Congress at Tulsa, Okla., 1913. Chas. Kemnitz, Orlando, Okla.

FARL SEEDS—CHOICE RECLEANED maize, kaffir, cane and millet \$2.50 100 pounds. Feterita \$4.00. Mexican June corn \$4.00 100 pounds. Dwarf or standard broom corn \$3.50 100 pounds. Sweet clover 30c pound. Buy now. Claycomb Seed Store, Guymon, Okla.

FOR SALE! SWEET POTATO SEED. Varieties: Yellow Jerseys \$1.25 to 5 bu. over 5 bu. \$1; Southern Queen, \$1.50; Red Jerseys \$1.50; Browns \$1.50; Bermudas, \$2.00. Plants of all kinds in season. D. Childs, Oakland, Kansas.

JOHNSON CO. WHITE SEED CORN OF 1912, a sample of which won first at state corn show. Germination high. Satisfaction guaranteed. Price \$2.25 per bushel including sacks. Cash with order or C. O. D. H. H. Neumann, Hanover, Kan.

ALFALFA SEED—RECLEANED, HOME grown, non-irrigated alfalfa seed \$5.40, \$6.00, \$6.60, \$7.20 per bushel our track. Seamless bags 25c each. Delivered price on request. No weed seed in this section. The L. C. Adam Mercantile Co., Cedar Vale, Kan.

FOR \$1 I WILL SEND YOU 8 APPLES, peach, pear or plum trees or 6 fine cherry trees or 75 raspberry, blackberry or dew berry or 20 grape, currant, gooseberry or rhubarb or 100 asparagus or 200 strawberry plants or 20 red cedar or other evergreens. Catalogue free. Manhattan Nursery, Manhattan, Kan.

1912 CORN. ALL KANSAS GROWN. Boone County White, Iowa Silver Mine, Kaw Valley Imperial White, Reid's Yellow Dent. Ears or shelled. St. Charles White. Germination 95 to 98 per cent. Also very best alfalfa seed. Ask for samples and prices. Wamego Seed House and Elevator, Wamego, Kan.

OKLAHOMA GROWN SEED CORN. IOWA Goldmine, Golden Beauty, Reid's Yellow Dent (90 day), Iowa Silvermine, Oklahoma White Wonder, Bloody Butcher and Improved Strawberry seed corn, milo maize, feterita, white kaffir, white milo maize, all recleaned, graded and ready for the planter. Address: J. E. Farrington, Seed Corn Specialist, Anadarko, Oklahoma.

FOR SALE—"PURE BRED COMMERCIAL White" seed corn, shelled and graded; grown 1913, made 50 bushels per acre, \$3.00 per bushel, F. O. B. Iola. Sacks free. Also, recleaned feterita seed \$3.00 per bushel. Will sell farm this was raised on, consisting 187 acres fine creek bottom soil, don't overflow; 2 1/2 miles Iola, on macadam road, street car line, for \$11,500.00. Half cash. No trades. H. Hobart, Iola, Kan.

OUR SEED CORN MATURED UNDER perfect conditions. Grown near Sioux City, Iowa. Germination is almost perfect and very strong. Just what Nebraska, Kansas, Iowa, Missouri and Illinois need. Reid's Yellow Dent, Wimple's Best (Yellow), Iowa Silver Mine, etc. Carefully selected, prepared, tested, \$1.50 per bushel sacked, track Sioux City, Iowa. The McCaul-Webster Elevator Company, Sioux City, Iowa.

FOR SALE—AFRICAN KAFFIR SEED. THE early-maturing sure crop kind, direct from its original home. This was tried with so great success here last year that I am importing direct from South Africa. This matures in 75 days while the home grown is so late that it does not mature even in the best season. \$5.00 per bu. Will reserve with a deposit of one dollar per bushel. Write for quantity discount quick before it is all taken. Asher Adams, Osage City, Kansas.

STRAWBERRY PLANTS

200 STRAWBERRY PLANTS CHOICE 15 Varieties \$1.25; 20 best fall bearing strawberries \$1.00; 25 black raspberry seedling never winter kill \$1.00; plants sent parcel post paid. W. H. Koell, Hampton, Iowa, Box 740. Catalog free.

LANDS

FOR SALE—CHOICE 80 ACRES 6 MILES Emporia. Price \$3,500.00. Box 123, Emporia, Kan.

FARM WANTED. WILL TRADE GOOD stock general merchandise, invoices about \$3,800. S. Redfield, care Rail Exch., St. Louis, Mo.

\$15 MAY MAKE YOU \$15,000. IN THE wonderful Texas oil fields. Now preparing to drill. You get deed and share in profits from co-operative well. Free literature and maps. Address: Elythe League Oil Co., 407 Scanlan Bldg., Houston, Texas.

LANDS

IMPROVED RELINQUISHMENT FOR sale. Pasture and hay. Geo. Ammon, Ponylake, Neb.

SELL YOUR PROPERTY QUICKLY FOR cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 6, Lincoln, Neb.

DELAWARE IS A GOOD STATE TO LIVE in; land is good for fruits, grain and livestock. Free pamphlet. State Board of Agriculture, Dover, Delaware.

YOU CAN SELL YOUR FARM OR BUSI- ness quickly for cash wherever it is, by our system. Particulars free. Black's Business Agency, Desk 9, Durand, Wis.

SELL YOUR PROPERTY QUICKLY, NO matter where or what it is. Be your own agent. Pay no commission. Particulars free. Dep. F. Cooperative Salesman Co., Lincoln, Neb.

HARPER COUNTY, KANSAS. 160 ACRES 2 1/2 miles from county seat; fine improvements, good soil, no waste land. Price \$8,000.00. J. E. Couch Land Co., Anthony, Kan.

RANCHES, FARMS AND UNIMPROVED land. Fertile soil; good water; fine climate; \$4 to \$10 a. Elmer C. French, Richards, Colo.

45 ACRES IMPROVED NEAR TOPEKA. \$4,800. Would exchange for best wheat land unimproved northern Kansas. Axtell, 1352 Mulvane, Topeka, Kan.

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FOR SALE OR TRADE—TWO HUNDRED acres Red River Valley improved land, near Ada, Minnesota. A bargain for some one. For full particulars, write F. E. Reinhardt, Chanute, Kansas.

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MAXFIELD'S MINNESOTA FARMS. EX- pert on Minnesota farm lands. Guaranteed bargains. H. J. Maxfield, Former Commissioner of Immigration for Minnesota. 168 E. 5th St., St. Paul, Minn.

ARKANSAS LAND FREE. 500,000 ACRES government land now open to homestead entry. Guide Book with lists, laws, etc., 25c. Township map of state 25c additional. L. E. Moore, Little Rock, Ark.

160 ACRES FINE BLACK LAND, WEAR- ton Co., south of Louise, in rain belt, Gulf Coast, Texas. Direct from owner. Will make splendid farm. Owner going in business, need cash. Address 1916 Taft St., Fairview Add., Houston, Tex.

ADVERTISE YOUR PROPERTY IN CAP- per's Weekly for quick and sure results. 250,000 circulation guaranteed—among best farmers in Kansas and adjoining states. Advertising rate only 8c a word. Address Capper's Weekly, Adv. Dept., Topeka, Kan.

CALIFORNIA; NEAR SACRAMENTO CITY. let us show you land the equal of any in the state for quality and location, and lower in price. Large returns from alfalfa, oranges, grapes, grow anything, terms to suit you. W. T. Smith & Co., 816 City National Bank, Omaha.

2,500,000 ACRES OF FREE GOVERNMENT land thrown open this spring. Everyone can get 160 or 320 acres. We furnish revised lists, locating the land; maps, guides and full particulars. Write us today. Webb Publishing Company, Dept. 92, Webb Building, St. Paul, Minn.

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WE ARE OFFERING THOUSANDS OF acres of choice and well improved lands in the Red River Valley, north eastern and south eastern Minnesota. Also cut over lands at retail and wholesale prices. Prices and terms reasonable. Write us for lists. Active agents wanted in Iowa, Illinois and Nebraska. Stewart Land Co., 405 New York Life Bldg., Minneapolis, Minn.

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280 ACRE FARM, 35 MILES FROM MIN- neapolis, 1 1/2 miles from a good railroad town; part under cultivation, balance meadow and pasture land; good soil; good eight-room house, worth \$3,000; barn, granary, corn cribs, cattle sheds, machine sheds, etc.; 14 cows, 20 head of steers and heifers; three horses, hogs, chickens, complete set farm machinery, bugles, wagons, sleds, 50 tons of hay, 1,200 bushels potatoes; in fact, everything on the farm goes except the furniture. Price \$12,000. One-half cash. Schwab Bros., 1028 Plymouth Bldg., Minneapolis, Minn.

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SEVEN PASSENGER 60 HORSE POWER Winton six, fully equipped, self-starter, top and windshield. Cost \$3,000 when new. Can be bought at a great bargain. This is a great family car and has only been used by owner. Would also make profitable investment as livery car in country town. T. D. Costello, 1512 Waldheim Bldg., Kansas City, Mo.

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WANTED TO HEAR FROM OWNER WHO has good farm for sale. Send description and price. Northwestern Business Agency, Minneapolis, Minn.

FARMS WANTED. WE HAVE DIRECT buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

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WELL DRILL, GOOD ORDER, 500 FEET capacity, \$400.00 cash. Box 160, Chapman, Kan.

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FOR SALE—25 H. P. GAS ENGINE AND four-bottom plow, run one season. Walter Buck, Bethany, Mo.

RESTAURANT FOR SALE—REASON-able. Doing good business. Address "Z," care Mail and Breeze.

BALED ALFALFA FROM THE BIGGEST alfalfa farm in north Kansas. Address Robert Hanson, Concordia, Kan.

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LONG GREEN LEAF TOBACCO TO CHEW or smoke. Twenty and twenty-five cents per pound. True Cutler, Holt, Mo.

FINE ALFALFA SEED \$6; FINE PRAIRIE hay \$10; pea green alfalfa \$11 per ton f. o. b. St. Francis, Kan. G. J. C. Felzien.

BALED PRAIRIE AND ALFALFA HAY. Alfalfa seed. Lyon County Farmers' Produce Ass'n, A. B. Hall, Mgr., Emporia, Kan.

GROCERY AND MEAT MARKET. WILL sacrifice for cash. Trade for anything worth the money. Address Lock Box 71, Manhattan, Kan.

CASH BARGAIN—NEW SIX ROOM CE-ment block cottage; good water; eastern Kansas town. Owner in Colorado. "Tourist," care Mail and Breeze.

FRESH FROM MILL. 100 LBS. BEAUTI-ful clean white table rice, freight prepaid to your station \$4.65. C. C. Cannan, 304-9, Scanlan Bldg., Houston, Texas.

ALFALFA AND PRAIRIE HAY. WE HAVE about 1,000 tons of alfalfa and 200 tons of prairie hay for sale. Write or wire us for delivered prices. The L. C. Adam Mercan-tile Co., Cedar Vale, Kan.

FOR SALE—ONE MINNEAPOLIS UNI-versal 20 horse farm tractor and 4 bottom plow used for plowing 500 acres only. In good order, goes cheap for cash, or trade for young cattle. D. J. Theander, Lost Springs, Kan.

FOR SALE OR EXCHANGE

EXCHANGES, 1000 FARMS, MDSE., ETC. Everywhere. Write for list. Reidy & Overlin, California, Mo.

WILL TRADE FIRE INSURANCE AND loan business paying \$1,800 yearly. (count-ry seat), and dwelling, for good ranch. De-scribe fully. Box 627, Herington, Kansas.

FOR EXCHANGE—THE BEST IMPROVED corn farm in Montgomery county, Illinois, 315 acres, 225 in cultivation, 150 bottom. On interurban between Hillsboro and Litch-field. Cars stop 150 feet in front of large house. Two sets new improvements, modern and cost \$8,500.00. Price \$40,000.00. Incubance \$15,000.00. Will trade equity for clear Kansas, Oklahoma or Texas lands. For description and pictures write to the owner, S. D. Canaday, Hillsboro, Illinois.

BUSINESS CHANCES

POWER BLACKSMITH AND MACHINE shop for sale or trade. Address W., Mail and Breeze.

FOR SALE—LIVERY BARN AND DRAY business. Will consider trade for stock. Address P. J. Ericsson, Maple Hill, Kan.

TO EXCHANGE. GEN. MDSE. AND HWD. Big stone bld. in N. E. Kan., for horses, cattle, land or cash. J. B. Clapp, Washing-ton, Kan.

FOR SALE—A BUSINESS COURSE TU-tion of \$45. at Dougherty's Business Col-lege, Topeka, Kan., for \$35. Inquire of Mae Duby, Madison, Kan.

COLD STORAGE MEAT MARKET EQUIP-ed with a modern refrigerating plant. Slaughter house. Also 6 room residence. No opposition. Price \$7,500, mtg. \$1,000. Want farm. Landrith, Buffalo, Kansas.

FREE FOR SIX MONTHS—MY SPECIAL offer to introduce my magazine "Invest-ing for Profit." It is worth \$10 a copy to anyone who has been getting poorer while the rich, richer. It demonstrates the real earning power of money, and shows how anyone, no matter how poor, can acquire riches. Investing for Profit is the only pro-gressive financial journal published. It shows how \$100 grows to \$2,200. Write now and I'll send it six months free. H. L. Bar-ber, 425, 28 W. Jackson Blvd., Chicago.

HELP WANTED

GOVERNMENT FARMERS WANTED. Make \$125 monthly. Free living quarters. Write Ozment, 38F, St. Louis, Mo.

AMBITIOUS PERSON MAY EARN \$15 TO \$25 weekly during spare time at home, writing for newspapers. Send for particu-lars. 32 Press Bureau, Washington, D. C.

GET WHAT YOU ARE WORTH. SELL your ability on highest market. Write for full information. National Business Service Co., 528 Sedgwick Block, Wichita, Kansas.

MEN—WOMEN—GET GOVERNMENT jobs, \$65 to \$150 month. Spring examina-tions everywhere. Full description free. Franklin Institute, Dept D 53, Rochester, N. Y.

WANTED—MAN AND WIFE WITHOUT children, man for farmwork, wife to work in house, will board in family, but have house by themselves. W. B. Merriman, Utica, Mo.

WILL PAY RELIABLE WOMAN \$250.00 for distributing 2000 free packages Perf-umed Soap Powder in your town. No money required. M. B. Ward & Co., 218 Institute Pl., Chicago.

WE WILL PAY YOU \$120.00 TO DISTRIB-ute religious literature in your commu-nity. Sixty days' work. Experience not re-quired. Man or woman. Opportunity for promotion. Spare time may be used. Inter-national Bible Press, Winston Building, Philadelphia.

THOUSANDS OF GOVERNMENT POSI-tions open to men and women over 18. \$65 to \$150 month. Vacations. Steady work. Parcel post means many appointments. Com-mon education sufficient. "Pull" unneces-sary. Write immediately for free list of positions now available. Franklin Institute, Dept D 53, Rochester, N. Y.

AGENTS WANTED

CAN USE A FEW EXPERIENCED SALESMEN in Kansas to act as special repre-sentatives in good territory. Write Circula-tion Manager, Farmers Mail and Breeze, Topeka, Kan.

AGENTS WANTED FOR FULL LINE fruit trees and shrubs. Work full or part time as you prefer. Draw pay every week. We teach you. Outfit free. Lawrence Nar-series, Lawrence, Kan.

FARMERS: WE WANT AGENTS IN every school district in the state of Kan-sas to solicit applications for our popular hall insurance. A little work will give you your insurance free. Write us for particu-lars. "The Old Reliable" Kansas Mutual Hall, Sterling, Kan.

AGENTS WANTED—LARGEST AND quickest money maker in years. Sell latest improved vacuum cleaner. Guaranteed. Every woman wants one. Special trial offer. Also, other snappy household articles. Ter-ritory allotted now. Jos. B. Barnett Co., Riverside Manufacturers, Riverside, Iowa.

YOUNG MAN, WOULD YOU ACCEPT AND wear a fine tailor made suit just for showing it to your friends? Or a slip-on raincoat free? Could you use \$5 a day for a little spare time? Perhaps we can offer you a steady job? Write at once and get beautiful samples, styles and this wonderful offer. Banner Tailoring Co., Dept. 673, Chicago.

AGENTS (260% profit) MEN AND WOMEN coin money with the I. X. L. Vacuum Washer—outwashes and outsells all others. Guaranteed to wash perfectly a full tub of clothes from laces to carpets, in three minutes without injury. Women grab it at \$1.50, costs you only 42c each (in quantities). Territory free and going fast. Write quick. I. X. L. Mfg. Co., 308 Westport Ave., Kansas City, Mo.

SALESMEN FARMERS WANTED—TO meet the growing demand for parcel post packages for eggs, butter and produce, I can use one or two farmer solicitors or agents in each county to sell Fish's Molded Excelsior Egg Carrier. I pay liberal com-missions and have a carrier second to none, pronounced by experiment stations and shippers to have solved the question of mail shipment of eggs. Have been in suc-cessful use for one year. P. C. Fish, 4334 Belleview, Kansas City, Mo.

FARMER AGENTS WANTED EVERY-where—Make money by showing your friends how to save it. Big pay to men of good standing, reputation and acquaintance to represent us, in every neighborhood. No better proposition in Kansas. "Keeps Kansas money in Kansas, for Kansas." Some agents make \$3,000.00 per year in addition to their farm earnings. No tricks, no schemes, no frauds, but straightforward, honest, square-deal, money-saving farm insurance for every man you interest in this proposition. "Don't wait." Good men everywhere are accepting our proposition daily. Let us hear from you at once. Address, "President," Farmers All-iance Insurance Co., McPherson, Kansas.

SITUATIONS WANTED

WANTED—FARM WORK, SINGLE, AGE 22; references exchanged. M. Casebeer, Axtell, Kan.

WANTED—JOB ON FARM; NO OBJEC-tions to hard work. Have small family. State wages first letter. J. Van Camp, Sallina, Okla.

WANTED—SITUATION BY MAN AND wife on stock farm. Experienced. Am strictly sober, 35 years old. References given and expected. H., care Mail and Breeze.

YOUNG MAN OF GOOD HABITS. GRAD-uate of auto school, desires situation in garage as auto repairer, chauffeur, or dem-onstrator. References. Address C., Box 341, Smith Center, Kan.

I WANT PERMANENT FARM WORK—I was raised on a farm, but am now work-ing in a mine. I want to return to farm work. I know what it is to work and am not afraid of it. I am thoroughly posted on farming and live stock. I want a per-manent, all the year position. I can give you satisfactory service. Am married. W. T. Howard, Oronogo, Mo.

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SPRING RAILWAY MAIL CLERK EXAM-inations. \$75.00 month. Sample questions free. Franklin Institute, Dept D 53, Roch-ester, N. Y.

WANTED. RAILWAY MAIL, CLERK-carriers and rural carriers. Examinations soon. I conducted examinations. Trial ex-amination free. Write Ozment, 38, St. Louis.

MEN FOR ELECTRIC RAILWAY MOTOR-men and conductors; fine opportunity; about \$80 monthly; experience unnecessary; no strikes; state age. Address Box F, care Mail and Breeze.

MEN 20 TO 40 PREPARE FOR LOCOMO-tive firemen and brakemen. \$80, \$140. Electric motormen and conductors \$60, \$100. Experience unnecessary. Small tuition. 796 Railway Ins. Bureau, East St. Louis, Ill.

MEN 20 TO 40 YEARS OLD WANTED AT once for electric railway motormen and conductors; \$60 to \$100 a month; no ex-perience necessary; fine opportunity; no strike; write immediately for application blank. Address Manager, B-51 Dwight Bldg., Kansas City, Mo.

MEN TO SELL AUTOMOBILE OIL AT 24 cents. Other oils equally low prices. Best oils made. Stock and poultry tonics, highest medicinal test; very low prices. Guaranteed groceries at wholesale. Paints worth \$2.00 at \$1.25. Season now on—Big pay—Steady work. Write quick. Dept. FMB Hitchcock-Hill Co., Chicago.

LOCAL REPRESENTATIVE WANTED. Splendid income assured right man to act as our representative after learning our busi-ness thoroughly by mail. Former experience unnecessary. All we require is honesty, ability and willingness to learn a lucra-tive business. No soliciting or traveling. All or spare time only. This is an exceptional opportunity for a man in your occupation to get into a big paying business without capital and become independent for life. Write at once for full particulars. National Co-operative Realty Company, L-157 Marden Building, Washington, D. C.

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MEN OF IDEAS AND INVENTIVE ABIL-ity should write for new "List of Needed Inventions." Patent Buyers and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

DOGS

FOR SALE—COACH DOGS. L. PHILLIPS, Americus, Kan.

ENGLISH FOX TERRIER DOGS FOR sale. A. P. Richter, McPherson, Kan.

BLOODHOUNDS—REGISTERED ENGLISH. Kennedy's Kennels, Fredonia, Kan.

FOR SALE—WOLF DOGS. GUARANTEED to catch and kill coyotes. Homer Fox-worthy, Bazaar, Kan.

MISCELLANEOUS

PLACES FOUND FOR STUDENTS TO earn board and room. Dougherty's Busi-ness College, Topeka, Kan.

100 LBS. "BIG B" CHICK FEED \$2.50; -500 lbs. \$11.25. This is nicest baby chick feed made. Contains oat groats, millet, char-coal, etc. We guarantee it. Order today. Brooks Wholesale Co., Ft. Scott, Kan.

LIGHT YOUR HOME WITH ACETYLENE gas; finest light known to science. Cheaper than coal oil; factory to consumer plan; cheapest generator on market. Write for price. Simplicity Gas Generator Co., Inde-pendence, Kansas.

POULTRY MAGAZINE—BIG 20 TO 40 page illustrated magazine of practical, common sense chicken talk. Tells how to get most in pleasure and profit from poultry raising. 4 months on trial only 10c. Poultry Culture, 304 Jackson, Topeka, Kan.

BIG WESTERN WEEKLY SIX MONTHS 10 cents. Biggest and best general home and news weekly published in the West. Interesting and instructive departments for young and old. Special offer, six months' trial subscription—twenty-six big issues—10 cents. Address Capper's Weekly, Dept. W. A.-12, Topeka, Kan.

Who Can Help Out Here?

Somewhere I have seen or heard of a contrivance of a wire and basket on rollers to bring up the mail where the house is some distance from the road. It was made after the fashion of the cash carriers in department stores. We live a quarter of a mile from the mail box and would like to try a scheme like this. Will you please ask readers who have such a plan in use to tell how they did it, through the Mail and Breeze. I don't believe we could do without your paper. Mrs. J. R. Claremore, Okla.

Regularity of feeding and work makes long lived horses.

The Man Behind the Plow

They sing about the glories of the man behind the gun, And the books are full of stories of the wonders he has done; There's something sort o' thrillin' in the flag that's wavin' high, And it makes you want to holler when the boys go marchin' by; But when the shoutin's over and the fightin's done, somehow We find we're still dependin' on the man behind the plow.

In all the pomp and splendor of an army on parade, And through all the awful darkness that the smokes of battle made; In the halls where jewels glitter and where shoutin' men debate; In the palaces where rulers deal out hon-ors to the great, There is not a single person who'd be doing business now Or have medals if it wasn't for the man behind the plow.

We're a-buildin' mighty cities and we're gainin' lofty heights; We're a-winnin' lots of glory and we're settin' things to rights; We're a-showin' all creation how the world's affairs should run; Future men will gaze in wonder at the things that we have done, And they'll overlook the feller, just the same as we do now, Who's the whole concern's foundation—that's the man behind the plow. —S. E. Kizer.

As to Moldy Silage

BY TURNER WRIGHT, Livestock Editor.

Be careful to have the fodder free from mold when refilling the silo from the shock. Wet weather causes much of the fodder that is left in the shock to mold badly and such material is un-fit to go in the silo.

Moldy silage is the cause of much of the trouble with horses that are fed silage. Nothing but bright, clean silage that is free from mold and an excessive amount of acid should ever be fed to horses.

Do not feed the moldy silage that comes from the top of the silo when it is opened. The feeding of such silage is accompanied always with risk. You may have fed such silage without loss or your neighbor may have done so but that is no guarantee that loss of horses or cattle will not occur the next time it is tried.

Be careful to keep the horses from getting the moldy silage that comes from the top of the silo.

Experiments show that kafir and sor-gum make almost as good silage as corn. These crops are more sure and make a heavier yield in western Kansas than corn.

Silage is a roughage rather than a concentrated feed.

It always is best to feed some dry feed in connection with silage.

Silage and a leguminous hay, such as alfalfa, cowpea, or clover make a good combination. This combination is good for the farm as well as for the steer.

All animals require some protein for building and repairing muscle and tissue. Young animals need more than older ones. Silage made from such feeds as corn, kafir and sorghum is deficient in these materials. Protein should be sup-plied either by hay such as alfalfa or by the use of a more concentrated feed such as cottonseed meal or linseed meal.

Silage, wheat straw and cottonseed meal make a good combination when alf-alfa hay is not available or relatively high in price.

I there is an abundance of straw and hay is scarce it often will pay to buy some cottonseed meal to supply the pro-tein needed, and feed the straw for the dry roughage.

Stocker calves or yearlings will not make sufficient growth if wintered on corn or kafir silage alone. They will make cheaper gains if some growth ma-terial is supplied in some other feed.

Prune the Apple Trees Now

(Continued from Page 27.)

ber of apples cannot be borne on a three-branch tree.

It is well if one practices some sum-mer pruning with apples, at least to the extent of rubbing off the water sprouts that appear, so this undesirable growth can be eliminated. It is in winter, how-ever, that one has the best opportunity to clean out the tops. There is more in-terest among orchardists in pruning this year than in past years. It is probable that there will be many orchards cleaned out before spring and put in a condition so they can bear good fruit next summer.

BIG BARGAINS IN REAL ESTATE

Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

BUSH CO. wheat lands at \$25 to \$50 a. No trades. Jas. H. Little, La Crosse, Kan.

WE HAVE a fine list of impr. and unimpr. farms. Rowland & Moyer, Ottawa, Kan.

BIG BARGAINS in Sumner Co., Kansas. Farms. W. O. Proctor, South Haven, Kan.

COFFEY CO. Best bargains. Alfalfa, wheat, corn land. Harry Antrim, Strawn, Kan.

400 A. pasture; limestone soil; never falling water. R. E. Squires, Westphalia, Kan.

ONE HUNDRED farms for sale in central Kansas. Write Reed & Brady, Salina, Kan.

WESTERN Kan. farms and ranches for sale. Write us. Wheat Belt Land Co., Leoti, Kan.

LYON COUNTY 128 a. improved. \$1,000 down. 240 a. improved \$65 for gen. mdse. stock. Ira Stonebreaker, Allen, Kansas.

SNAPS FOR SPECULATION in western Kan. at from \$4 to \$8 an a. These are bargains. No trade. Jas. H. Little, La Crosse, Kan.

160 ACRE FARM in Osage county, Kan. 3 miles from good town. \$30 per acre; can make terms. Watkins Land Co., Quenemo, Ks.

LAND. Send for my price list of wheat, alfalfa and pasture lands, improved and unimproved, in Clark Co. Every one a bargain. C. W. Carson, Ashland, Kansas.

CATHOLICS, ATTENTION! I have farms for sale in 7 parishes which have priest and school. Ask for list. Thos. Dorcey, The Land Man, Offerle, Kansas.

FINE RANCH FOR SALE. 3,000 acres improved; 75% tillable. Cowley county, Kan. List your exchanges with White Way Real Estate Exchange, Winfield, Kan.

TWO REAL BARGAINS. 123 a. near graded school, worth \$60, can sell \$50 a. 155 a. fine imp., well located; worth \$75, can sell for \$9,000. Come and see. Houk & Miller, Admire, Kan.

MR. RENTER: 80 a. farm lays well; all tillable, good small imp.; good water, near school, 2 mi. from town, 9 mi. from Salina, \$3,700. Terms on \$2,500. Possession, act quick. Melvin Smeltz, Salina Kan.

BEST LAND, LOWEST PRICES, greatest natural advantages in southeastern Kansas. Send for illustrated booklet. The Allen County Investment Co., Iola, Kan.

240 A. IMP. Kaw val. bottom land; 60 a. alf., 40 a. wheat, bal. corn. Must settle estate. 1 1/2 miles St. Marys, Kan. \$25,000; \$10,000 will handle. J. M. Coulan, St. Marys, Kan.

160 A. 3 MI. OUT; 34 a. wheat; handy imp.; \$8,400. 60 a. 5 mi. out; good imp.; \$3,200. 80 a. 3 1/2 mi. out; good imp.; \$4,200. Decker & Booth, Valley Falls, Kansas.

WELL IMPROVED quarter section near Overbrook, Kan. Black soil, good water. Progressive neighborhood. Price \$60 per acre. Part terms. Address John Harrison, Owner, Collyer, Kansas.

60 ACRES GOOD LAND IN OKLAHOMA. Good house, stables, smoke house, well and good 6 acre orchard. 25 acres in cultivation and all under good 3 wire fence. Will sell at a great bargain. Address Anna L. Jones, Zeandale, Kansas.

YOU CAN BUY one of the best bargains in Franklin county, Kansas. Smooth land, fair improvements, well located close to trading point, fine neighborhood, price right, \$2,500. Encumbrance runs 3 years. Price right. Come at once. Possession March 1st, 1914. Allen Mansfield, Ottawa, Kansas.

FOR SALE. 640 acres fine wheat land, 1/2 in wheat. A snap at \$15 per acre. L. E. Pendleton, Dodge City, Kansas.

On Electric Line

40 acre tract on car line within 5-cent limit of Independence, Kansas; an exceptional bargain. Write at once for full details. Get our free list of Montgomery Co. farm land. Foster Bros., Independence, Kansas.

Northeastern Kansas Land

for sale in the famous Bluegrass, Timothy, Clover and alfalfa district, \$50 to \$100 per a. Compton & Royer, Valley Falls, Kan.

160 A. WHEAT LAND, LOGAN CO. KANSAS

Unimproved. 14 miles to county seat, 5 miles to P. O. and store; 2 mi. to school. Rich loam soil all tillable. Priced right; terms, one-third cash. Write owner, Box 85, Whitman, Nebraska.

Kiowa County

Land bargains. Write for descriptions. Several of my own farms; can make terms to suit. C. W. Phillips, Greensburg, Kan.

OPPORTUNITY

is knocking at your door. Do not delay making an investment in "Pretty Prosperous Plains." Today's prices \$17.50 to \$75.00. Easy terms. Write for literature giving full information. Mention this paper. John W. Baughman, Plains, Kan.

COFFEY COUNTY, EASTERN KANSAS.

Good alfalfa, corn, wheat and tame grass lands. List free. Lane & Kent, Burlington, Ks.

SQUARE section, all tillable, 5 miles division point on Santa-Fe for \$1,000 cash, balance payable \$150.00 yearly, 5% Come. F. M. Nason, Elkhart, Morton Co., Kansas.

320 ACRE STOCK FARM, 6 miles county seat, R. F. D. Never falling water, 25 a. alfalfa; well improved. 65 a. cult. Bal. meadow. Black loam. \$35.00 per acre. Terms. J. B. Fields, Alma, Kansas.

I CAN SELL YOU the finest farms, not to be excelled anywhere for the price. For alfalfa and grain farms. Stock raising. Descriptions and prices on request. Cash and good terms. H. H. Stewart, Wellington, Kan.

FINE DAIRY FARM. 320 a. 2 mi. Herington 140 a. cult. 30 a. alf., 60 meadow, bal. pasture. Best market. \$15,000 of imp. Price \$72 per a., worth \$100. Easy terms. O. E. Lower, Herington, Kansas.

WRITE BOX A, Wamego, Kan., in regard to farm land that can be bought at its agricultural value over what may prove to be a rich oil field. A farm of 160 bought now will in a few months make a man rich if oil is found. Drilling will soon begin.

BARGAIN. 240 a. finely imp. farm, 1 mi. town; 100 a. wheat, 25 a. alfalfa; all nice level land running water. Price \$65 a. Terms. Gile & Bonsall, South Haven, Sumner Co., Kan.

ALFALEA FARMS. 80 acres five miles out; 50 in alfalfa, well improved, \$75 per acre; 100 acres 3 miles out; 40 in alfalfa; good improvements \$100 per acre. Write for list. T. B. Godsey, Emporia, Kansas.

MONEY FROM HOME. Improved 160 acres. Well, windmill, 80 cult.; 80 pasture. All can be farmed, well located, 10 miles Spearville, \$2,800. Terms. Send for list. Thos. J. Stinson, Spearville, Kansas.

LINN COUNTY FARMS. Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15-\$80. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illustrated folder free. Eby-Cady Realty Co., Pleasanton, Kan.

WALLACE COUNTY, KANSAS. Stockmen, attention! 50,000 acres choice grazing and alfalfa land for sale. Best watered county in Kansas. No stock diseases known here. For reliable information apply Box 24, Peter Robidoux, Wallace, Kansas.

FLORIDA

FAMOUSLY rich everglade land ready for plow, handy to market, \$25 per acre; one-fourth cash, bal. 1, 2 and 3 years. Parker & Ausherman, Ft. Lauderdale, Fla.

FLORIDA grape fruit grove and truck garden, 2 acres \$1,000; adjoining city; productive soil; easy payments. Write for booklet. Realty Securities Corporation, Miami, Fla.

\$35.00 PER ACRE (\$7,000) CASH will buy this 200 acre stock and dairy farm, located six miles S. W. of Reece, Greenwood Co., Kans. 40 acres valley land under cultivation (would grow splendid alfalfa), balance extra good pasture. Has a good six room house, other buildings only fair, farm all extra well fenced, good well, equipped with mill, and large cement water tank. Legal numbers are—The N. W. 1/4 of S. W. 1/4 Sec. 27-26-8 Greenwood Co. and the S. E. 1/4 of Sec. 28-26-8 Butler Co., Kans. No trades considered. Address W. H. Dayton, Abilene, Kansas.

FLORIDA

FOR SALE OR EXCHANGE

BARGAINS in Lyon county. Trade anywhere. S. M. Bell, Americus, Kansas.

TRADES, ALL KINDS; no fooling. Send description. B. Hoffhines, Larned, Kan.

LAWRENCE REALTY CO., home of the swappers. Patrick C. Quin, Mgr., Lawrence, Kan.

CAR OF SHORTHORNS wanted for good farm, well rented. Wadsworth, Grinnell, Ia.

EXCHANGE BOOK, of hundreds of honest trades, farms, merchandise, etc., everywhere. Graham Bros., Eldorado, Kan.

WE BUY, SELL and exchange, anything, anywhere of value. Ozark Co-operative Realty Co., Willow Springs, Howell Co., Mo.

OWNERS! Get results! Write for my "No commission plan". Sales and exchanges, anywhere. Box 262, Burlingame, Kan.

I WILL TRADE for western land, or sell cheap, a registered, black, 3-year-old Percheron stallion. John Raetz, Junction City, Kan.

FARMS, STOCKS, and city property for sale or trade. What have you to offer? Bigham & Ochiltree, 802 Corby-Forsee Bldg., St. Joseph, Mo.

KANSAS LANDS at owner's prices for stocks of goods. Want goods direct from owners for eastern Kansas land. Tinklin & Jasper, Corning, Kansas.

2 STORY BRICK HOTEL, furnished, 24 bed rooms and 2 brick store rooms adjoining. Hotel alone rents for \$60.00 a month, to trade for land. Price \$12,000.00. Oakleaf & Hill, Cherryvale, Kan.

EXCHANGE for merchandise or smaller farm, 1,160 acres good wheat, alfalfa, and stock farm, situated west of Jctmoro, in Hodgeman county, Kansas, on the South Fork of the Pawnee Creek. 400 acres bottom land, 50 acres set to alfalfa, light improvements, price \$17.50 per acre. Mortgage \$7,700. Fay Hardy, Lewis, Kansas.

MISSOURI

FOR FARM LANDS in Barry Co., Mo., write J. Y. Drake, Exeter, Mo.

MISSOURI, Ark. and Okla. farms. Conner-McNabney Realty Co., Southwest City, Mo.

160 A., OZARKS; 100 CULT., 2 sets bldgs., spring. \$1,700. McQuarry, Seligman, Mo.

\$5 DOWN, \$5 MONTHLY, buys 40 a. grain, fruit, poultry land, near town. Price \$200. Write for list. Box 372, Carthage, Mo.

MISSOURI, Kansas and Oklahoma farms for town property, mdse., or other land. South Missouri Land Co., Mountain View, Mo.

FOR SALE: 156 acre farm in Jasper county, close to town. Write for full information. J. E. Hall, Carthage, Mo.

HOWELL CO., MISSOURI

120 a. farm 2 mi. from Pomona. 75 a. in cult. and orchard, 500 bearing trees, apple and peach, 100 a. fenced, 5 room house, good barn, 2 wells, cistern, phone line, rural mail. 1/2 mi. school, \$28, terms. Farms for merchandise or town property. A. P. Cottrell Land Co., Pomona, Mo.

CHEAPEST PLACE TO GROW STOCK. Good pasture and water all year. Land produces corn, cane, cotton, sorghum, stock-peas, Bermuda and other grass, Mexican and Japan clover, numerous vegetables, also Velvet beans and Japanese Kudzu, like alfalfa for hay and pasture. No long cold winters. Oranges, figs, peaches, pears, plums, grapes, pecans. Delightful, healthful climate. Summers pleasant than north. Selected land along R. R. \$7.50 to \$14 an acre. Good title. Not sand nor swamp. T. H. Jones, Gen'l Immigration and Industrial Agent, M. & E. R. R., 705 Olive St., Room 1111 St. Louis, Mo.

COLORADO

IDEAL HOME: 120 acres. Water ditches to 5 room dwelling. Barn. Pine grove. Chicken houses. Brooders. Half mile to postoffice. Especially desirable for weak lungs. Alfalfa. Grain. Garden. Price \$5,000. Allison, Rye, Pueblo Co., Colorado.

Irrigated Dairy Farm

We must sell an A No. 1 irrigated farm near Lamar that has the best of old water rights. Well located and is an ideal alfalfa and dairy farm. The new milk condensary at Lamar is making things hum. Priced to sell. Address owner. Lamar Live Stock Co., Lamar, Colo.

We Want Farmers

Why buy cut-over, or wild lands in the Frozen North? We can locate you on half-section relinquishment for \$350. Will produce 30 to 35 bushels wheat and corn per acre on sod. Fine hay, good dairy country, 10 to 40 feet to water. Only 12 miles from this city. Land level and soil fertile, clay subsoil. Finest climate in the world. Come and get your choice. Cuijer & Layton, Fort Morgan, Colo.

FLORIDA

FOR SALE OR EXCHANGE

Buy or Trade with us—Exchange book free Bersie Agency, Eldorado, Ks

1914 BARGAINS

Choice farms just listed in northwest Missouri, Iowa, Nebraska, for sale or exchange. Advise me your wants and what you have with full description. M. E. Noble & Son, 507 Corby-Forsee Bldg., St. Joseph, Missouri.

Exchange for Western Land

1,700 acre ranch, 200 acres bottom land, 60 acres alfalfa, balance limestone pasture, good improvements, near railroad. Will trade for western Kansas, Oklahoma or Texas land. Also irrigated farms for sale. Theo. Voeste, Olpe, Kansas.

1000 Farms Wanted—

listed with me—sale or trade. Owners write me—giving complete description—what you will trade for—where, price, etc. If you don't mean business don't write. Frank W. Thompson, Beloit, Kansas.

To Exchange

A \$12,000 equity in two nicely improved 160 acre farms, 3 miles apart in southwest Neosho county, Kan. Mortgage \$8,000 due in two, five and seven years. Will trade for hardware or merchandise or clear rental property.

M. W. Peterson

Hanston, Kansas

I own and Will Trade

A fine 320 acre farm 3 miles from a good railroad town, and about 40 miles from Wichita. All good level land and good black soil. Fair improvements. Prefer good clean general merchandise, hardware or smaller farm.

H. C. Whalen

413 Biting Bldg., Wichita, Kansas.

ARKANSAS

ARKANSAS FARMS for sale. Terms. List free. J. C. Mitchell, Fayetteville, Ark.

IMPROVED AND UNIMP. land bargains. Black & Pitts, Scott Co., Waldron, Ark.

DOWELL LAND COMPANY will furnish you lists of farm, timber and rice lands at lowest prices. Walnut Ridge, Arkansas.

FOR DES. LIT., city props., Ark., and Okla. farm, fruit, timber, grazing lands, write Moss-Ballou & Hurlock, Sloom Sprgs., Ark.

FARM BARGAINS IN OZARK FOOTHILLS. New list and information book on application. McKamey & McCarroll, Imboden, Ark.

CORN, OAT, CLOVER land. Sure crops. No swamps, hills. Fine climate, schools, churches. Small pay't down, bal. long time. Maps, circulars. Tom Blodgett Land Co., Elson, Ark.

FREE—\$20 KITCHEN CABINET—FREE. Farms bought, sold, exchanged, money to loan. Only R. E. broker giving a premium. Cyril Flack, 1047 E. B. St., Bentonville, Ark.

80 A. improved rich creek farm; 1/2 cult., fenced; orchard; water; public road; main route; phone; 3 mi. Winthrop on Rv. \$25 a. terms. Sessions Bros., Winthrop, Arkansas.

QUIT BENTING and write Eugene Parrick, the land man, for fruit, grain and timber farms. Best prices, terms, water and climate in Ark., Missouri and Oklahoma. Describe your wants in first letter. Hiwasee, Ark.

1,580 ACRES sandy loam soil, half under cultivation; 65 a. orchard; good house, several tenant houses; 3 mi. of town; \$25 per a. Will take half in other property and make terms on balance. Horton & Co., Hope, Ark.

ASK US ABOUT northeast Arkansas lands, they will produce a large variety of paying crops, and be bought at reasonable prices. Write to the land of sunshine and prosperity. H. Houghton & Son, Room 3, 408 1/2 Main St., Jonesboro, Arkansas.

ONE OF THE VERY BEST 40 acre farms in Arkansas, nice new improvements; 10 acres of alfalfa; 10 a. of wheat; 3 good cows and calves; 15 shoats; 1 thoroughbred male pure bred sow 1 sow and 5 pigs; 65 chickens; new lumber wagon; 1 stirring plow; corn drill; riding cultivator; gas engine and saw mill and 6 sets of burrs, low-wheeled wagon, lots of small tools. This is one of the prettiest little farms you ever saw. New barn; good 5 room house. All nicely painted. Price for all of this property is \$2,500, no more, no less. A. T. Garth, Cotter, Ark.

70 ACRES, 1/2 CLEARED, 3 miles from city, \$20 per acre. Other good bargains. Write J. F. Black, Texarkana, Arkansas.

NOTICE—160 acres improved, \$23 per acre. 40 acres improved, \$20. If interested in south Missouri, northwest Arkansas, or eastern Oklahoma, for particulars address Oswald & Hayes, Gravette, Ark.

60 ACRES OF GOOD farm land 1 1/2 miles Co. seat, Scott Co., Ark. Good orchard, barn, residence; 25 acres in cultivation; balance meadow and timbered pasture. Fine water; daily mail and phone. Price for quick sale \$1,500. Half cash, terms on balance. Need proceeds to improve city property. R. G. Oliver, Owner, Waldron, Arkansas.

1,000 ACRE bottom cotton plantation in Arkansas river bottom, well improved, thirty tenant houses, cotton gin, in high state of cultivation; three miles this town, county seat \$3,500. Fine alfalfa and corn land. Rental value \$12,500. Price \$80,000; \$17,500 cash. Owner will pay \$10,000 rent this year and apply same on purchase price. Stephens, Casort & Neal, Morrilton, Ark.

MONTANA

SETTLERS WANTED for Montana. Crop fields greater than any other state. Write for information. Dunaher-Holton Co., 3060 Plymouth Bldg., Minneapolis, Minn.

7,000 ACRES choice agricultural land, irrigated, first water right, Teton county, Montana; good transportation facilities; first class stock ranch, also adapted for colonization; mixed farming; low price; easy terms. Address Geo. C. Harper, 13 Chamber of Commerce, Minneapolis, Minn.

THE LAST CHANCE

We have a few 320 acre relinquishments at from \$500 to \$1,000 each. Write us. Lamberton Land Co., Poplar, Montana.

PENNSYLVANIA

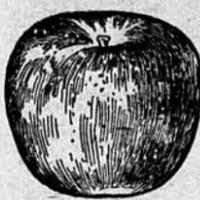
For Sale

A fine level farm, located 15 miles from Washington, D. C., 2 miles from the railroad station, with a 15 room mansion house, large barn, stable, corn crib and wagon shed, ice house and all necessary buildings, 550 acres in all; suitable for large cattle ranch and general farming; good markets within easy shipping distance of Baltimore, Washington and Philadelphia. Easy terms, price \$18,000. Buildings alone cost more than this. No agent. Address.

J. W. INGOLD

4002 Jenkins Arcade Bldg., Pittsburgh, Pa.

THE OZARKS, WHAT OF THEM?



Southern Missouri has made wonderful strides in the dairy business lately. Not long ago the few skinny, scrubby cows were left to range the hills and the sale of cream was unknown.



H. W. Jensen, a former Kansas dairyman is president of the largest creamery company in the Ozarks. Mr. Jensen is very enthusiastic over the possibilities of southern Missouri as a dairy country and feels confident that it will soon rank with the best sections of Wisconsin and Minnesota.

Stock Yards for Galveston

To Handle Old Mexico Cattle—The Week's Market Forecast

BY C. W. METSKER Kansas City, Mo.

Few stock yards are being built at Galveston, Tex. This move is a private enterprise and is to care for cattle that are being shipped from Old Mexico into the United States by the steamship route.

lamb's were lower. Wool prices have strengthened, and demand for mutton appears larger than 10 days ago. The chief supply sources are Colorado, the Northwest and Kansas and Missouri.

Wool prices touched bottom at the close of 1913 and now are on the up grade. The demand is world wide and practically the entire clip for the 1914 season has been contracted for in the Northwest.

What the West Offers.

The West and Southwest constitute a big factor in beef supply. Such a condition shows how great a change has been wrought in the area that a few years ago was entirely range country and only capable of producing grass fat cattle.

Texas Cattle Ready to Move.

The movement of Texas cattle to the long grass country of Oklahoma, Kansas and the Northwest has passed the preliminary stage. Buyers are there and have closed contracts at \$65 to \$75 a head for 4-year-old steers, \$58 to \$62.50 for 3's and \$42 to \$55 for 2's.

Demand Favors Heavy Weights.

Heavy beef steers are in popular demand at markets. Last week Nebraska bullocks in the 1,700-pound class sold in Chicago at \$9.75, the highest price ever paid in February.

No 9-Cent Hogs in February.

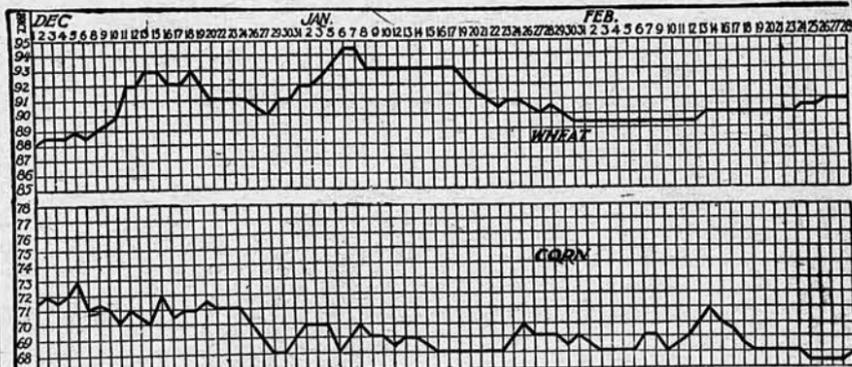
St. Louis fell 5 cents short of reaching the 9-cent hog last month. The top price in Chicago was \$8.85, and \$8.75 elsewhere.

Slump in Horse Trade.

The East held out of the market for horses and mules last week because shipping conditions from the Mississippi river east had been distributed by the recent heavy snow storms.

Grain Prices Unchanged.

Cash grain prices continue to move in circles. There seems to be an axis of general opinion that attracts prices to well defined courses, and while temporary conditions cause some divergence, there is nothing to cause any material lifting or falling.



This chart shows the daily fluctuations of the Kansas City wheat and corn markets since December 1, 1913. Highest cash prices on each grain were considered in making out the chart.

50 cents higher than January. Receipts last month held up better than expected and average weight was about 4 to 6 pounds heavier than in the first month of the year.

were higher on severe weather conditions and a decrease in receipts, but the weather effect was soon lost and prices turned down.

Demand for corn seems to be lagging because so little is being fed. Receipts have been light, but they proved equal to the outlet.

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:

Table with 4 columns: Location, Wheat, Corn, Oats. Rows for Chicago and Kan. City for 1914 and 1913.

Seed and Feed Prices.

Alfalfa is quoted at \$7.50@9 a cwt.; clover \$9.50 @13; timothy, \$3.75 @4.50 a cwt.; cane seed \$1.80@2.35; millet seed, \$1.50@2.35; flaxseed, \$1.36@1.38.

(Continued on Page 45.)

Sheep Prices Higher.

Moderate receipts stimulated demand for sheep last week and prices rose 25 to 40 cents. But at that advance the market became top heavy and some

THE FOOTHILLS of the Ozarks is the land of sunshine and good health. Write Spring River Land Co., Ravenden, Ark., for list.

GOOD LAND BARGAINS in S. W. Missouri. Improved farms and timber lands for sale; also exs. J. H. Engelking, Diggins, Mo.

HOWELL CO. bargains. Farm, dairy, fruit and ranch lands for sale or exchange. West Plains Real Estate Co., West Plains, Mo.

FREE! "The Truth About the Ozarks" with large list of farms for sale in best locality. Map. Durnell & McKinney, Cabool, Mo.

SPECIAL BARGAINS in fruit, dairy and farm lands. Unsurpassed for poultry raising. J. M. Huff, Koshkonong, Oregon Co., Mo.

2500 ACRE RANCH 8 miles of town. Fenced. Good farming land. 200 a. in cult. 3 sets good bldgs. I. T. Workman, Chadwick, Mo.

BARGAINS in fruit, stock and grain farms in the Ozarks. Climate and water unsurpassed. G. G. Rice, Mammoth Spring, Ark.

HOMES and investments on southern slope Ozark hills. Fruit, poultry, dairy farms. Easy terms. Porterfield & Son, Koshkonong, Mo.

25,000 A. timber land, imp. farms, Douglas and Ozark Cos. Best bargains on earth. Homeseekers Real Estate Co., Ava, Mo.

IF YOU WANT farms or stock ranches in the Ozarks of Missouri, write A. J. Johnston, Mechts. Nat'l Bank Bldg., Springfield, Mo.

1,184 A. stock ranch in Ozarks, sale or ex. Mild winters, climate unsurpassed. Good water. F. M. & C. G. Morgan, Springfield, Mo.

IF YOU WANT A HOME come to the Ozarks. For particulars write J. E. Twohig & Co., Norwood, Missouri.

A GOOD ONE, POSSESSION NOW. If you have the means to handle 260 acres, 160 in cultivation. 80 valley. Large frame house, barn, etc. Fine springs. Family fruit. A splendid, all purpose stock, dairy and poultry farm. An ideal home. Price \$7,500.00.

MINNESOTA

MINNESOTA FARMS for sale. Easy terms. Write A. G. Whitney, St. Cloud, Minn.

PAYNESVILLE LAND CO., sell Minnesota farms. Write for list. Paynesville, Minn.

SETTLERS WANTED for clover lands in central Minnesota. Corn successfully raised. Write Asher Murray, Wadena, Minn.

MINNESOTA. No crop failures; good soil; best markets; finely improved corn and dairy farms, \$30 to \$65 per acre. Erick Farm Agency, Sauk Center, Minnesota.

NORTHERN MINNESOTA: The greatest natural cattle section. No droughts. Alfalfa, clover, corn, potatoes, are principal crops. Prairie or timber. Free information. We have no land for sale. W. R. MacKenzie, Immig. Com., 911 Palace Bldg., Minneapolis, Minn.

CORN AND CLOVER FARMS Otter Tail, Todd and Wadena Cos. For list write Bigelow & Freeman, Wadena, Minn.

CENTRAL MINNESOTA LANDS. Great clover, corn, potato and dairy section. Low prices. Easy terms. 1914 list sent free. Chase Bros., Box B, Staples, Minn.

Southwestern Farmers, Attention! Northeast Minnesota is better. More certain moisture, pleasanter climate, richer soil, better markets, cheaper lands. May I send literature describing our dairy lands near Duluth? Iron Range Ry., 100 Wolvin Bldg., Duluth, Minn.

Farmseekers Write for our Minnesota farm book of 30 pages and list of farm bargains. We have the farm which you are looking for. Catalog in German and English. Louis W. Traub Company, 405 Temple Court, Minneapolis, Minnesota; also Royalton, Minnesota.

TEXAS

BIG CROPS, BIG MARKETS, BIG PROFITS. In the Houston, El Campo district of the Gulf Coast. Write us for Free Booklets, "Where Farming Pays," "Pointers on Where to Buy Land," also "The Gulf Coast Bulletin" for six months Free. Allison-Richey Land Co., Houston, Texas.

BARGAINS IN GULF COAST LANDS. FACTS about the Mid-Gulf-Coast Country of Texas. Production, climate, rainfall, soil, markets, water. Large or small tracts. Write at once for free booklet and price lists. Reference given. John Richey & Co., Binz Bldg., Houston, Tex.

GEORGIA

SOUTHERN GEORGIA. Stock raising, fruit growing, truck farming, corn, oats, hay, cotton. No floods, droughts, nor cyclones. Improved and unimproved lands. Easy terms. Thompson & Company, Homeland, Georgia.

WYOMING.

New Land Opening

The readers of Farmers Mail and Breeze are hereby notified that we will soon open for sale and settlement a new tract of twenty-five thousand acres of the choicest land in the Golden Prairie District of Wyoming. A reliable farmer agent wanted in every county. Write at once for literature and full details.

The Federal Land and Securities Co. Dept. E, 100 West 17th St. Cheyenne, Wyoming

OKLAHOMA

GOOD FARMS FOR SALE; for particulars write to Harry E. Fray, Pawnee, Oklahoma.

WE SELL THE EARTH that produces alfalfa and corn. W. E. Wilson Realty, Walters, Ok.

EXCEPTIONAL BARGAINS in N. E. Okla. farms. T.C. Bowling, Pryor, Mayes Co., Okla.

70 A. 2 1/2 MILES McALESTER. City 15,000. 30 a. cult. 15 a. bearing orchard. 5 a. alfalfa. 6 room house. Other improvements. \$38.00 per a. Terms. Southern Realty Co., McAlester, Oklahoma.

FOR SALE, CHEAP. 80 acres of good land in Mayes county, Oklahoma. 2 miles from town; price \$30 per acre. 181 acres good black soil, little sand; 80 acres in cultivation in Major Co., Oklahoma; price \$20 per acre. Will give terms on part. Joseph Pizinger, Box 96, Great Bend, Kansas.

OKLAHOMA SNAP. 160 acres, 60 in cultivation, 2 miles town, good well and windmill, small house, fenced, sandy soil. Price \$1,600, half cash. L. Pennington, Oakwood, Okla.

CADDO COUNTY AGAIN WINS. First on agricultural products at State Fair. Write for information, corn and alfalfa lands. Baldwin & Gibbs Co., Anadarko, Okla.

WISCONSIN

SETTLERS ARE FLOCKING to the clover and fruit lands of Orchard Valley, Wisconsin. Over 150 sales. Write for U. S. Gov't reports. E. F. Glenny, 3110 Plymouth Bldg., Minneapolis, Minnesota.

SETTLERS WANTED for our Douglas Co. clay loam lands, western Wis., direct line between twin cities and twin ports. Uncultivated for clover and grain. Farmers Land & Cattle Co., Globe Bldg., St. Paul, Minn.

OUT OVER LANDS. Wisconsin Lake Region. Fine climate. No drought. Especially adapted to dairying, general farming. Prize potato lands \$10 to \$20 a. Write us. Interior Land Co., Bundy, Wis.

Secure a Home in UPPER WISCONSIN

Best Dairy and General crop state in the Union. Settlers wanted. Lands for sale at low prices on easy terms. Ask for booklet 30 on Wisconsin Central Land Grant. Always state acres wanted. Write about our grazing lands. If interested in fruit lands ask for booklet on apple orchards in Wisconsin. Address Land Dept., Soo Line Ry., Minneapolis, Minn.

IDAHO

ONE GOOD REAL ESTATE investment NOW in the new town of Homedale is worth a lifetime of labor. Homedale Townsite Company, Minneapolis, Minn.

Kansans Win at Dallas

The best milo exhibited at the National Corn show at Dallas, Tex., was grown by Charles E. Cassell of Tribune, Kan. This exhibit drew the grand championship prize of the show. In the class for non-saccharine sorghums other than kafir and milo, J. E. Thompson of Morland, Kan., won the sweepstakes prize. The show included exhibitions of all kinds of farm crops and competition was open to the world.

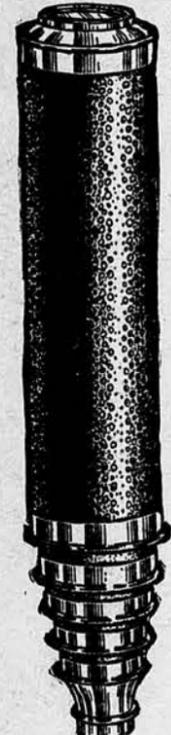
To Hold the Horse
And make him stand while shoeing or trimming hoofs, operating or giving medicine, use the

Tyto Twitch

Made of 1-4-inch square tool steel, twisted to make sharp edges that prevent slipping from the horse's nose. The loop of one arm catches in the notches of the other, and holds tight. Can be tightened as you wish. Strong and handy. Guaranteed to do the business and stand the strain. Only 50 cents, post or freight paid. Address,

A. L. LOEWEN
Hillsboro, Marion County, Kan., R.F.D. No. 1, Box 25

THIS BIG, 3 1/2 FOOT TELESCOPE FREE



This is a real telescope and not a worthless toy. It is made by one of the largest manufacturers in Europe. When closed, as shown in picture, the telescope is 12 inches long and has a circumference of 5 1/2 inches. When all 5 sections are pulled out the full length is over 3 1/2 feet. It is built of the best materials, brass bound throughout. We furnish with each telescope a solar eye piece for use in studying the sun and the solar eclipses. Eye piece can also be used as a magnifying glass to detect insects or germs in plants or vegetables.

Powerful Lenses 5 to 10 Mile Range

The lenses in this telescope are carefully ground and correctly adjusted by experts. See objects miles away. Farmer said he could count the windows and tell the colors of a house 7 miles away and could study objects 10 miles away which were invisible to the naked eye. Absolute necessity for farmers and ranch men. They can keep their eyes on the cattle, horses or men when far distant.

Our Offer!! We will send one of these big telescopes free and prepaid to all who send \$1.00 to pay for one year's new or renewal subscription to Mail and Breeze, and 12 cents extra for postage (\$1.12 in all). The Telescope is guaranteed to please you in every way or your money will be promptly refunded. Order at once. Address all letters to

Mail and Breeze
Eighth and Jackson,
TOPEKA, KANSAS.

Here's a Time and Labor Saver



Combination, 5 in 1 Garden Tool
Fork, Hoe, Trowel, Weeder, Dibber

While weeding, digging, planting and transplanting flowers and plants, you are saved the annoyance of missing tools. Your five-fold paraphernalia consists of a handy combination tool made of the best selected material—stout and compact—still occupying a small space and weighing less than a pound. A spring releases the particular tool you desire and the fret and worry of handling five separate tools is avoided.

SOLIDLY BUILT—ALWAYS READY
Anyone who will send \$1.00 to pay for a one-year's subscription to our big farm paper may have one of the Combination Garden Tools which we will send by mail, postage paid, as a free premium. Use Coupon below.

MAIL AND BREEZE
Is the biggest and best farm journal in the West with over 100,000 readers. Established in 1873. Price, 1 yr., \$1.00. The best edited farm journal in America.

Pub. Mail and Breeze, Topeka, Kan.
Dear Sirs—Enclosed please find \$1.00. Send me your paper regularly for 1 year, and one of the famous Combination Garden Tools free and prepaid.

Name

P. O.

County..... State..... R.R.No.....

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 614 So. Water St., Wichita, Kan.
John W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.
C. H. Walker, N. E. Kansas, N. Missouri, 1326 East 37th St., Kansas City, Mo.
Ed R. Dorsey, S. E. Kansas and S. Missouri, Girard, Kans.

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.

Poland China Hogs.
Mar. 10—Olivier & Sons, Danville, Kan.
March 24—Herman Groninger & Sons, Bendena, Kan.

Duroc-Jersey Hogs.
Mar. 9—Rinehart & Son, Smith Center, Kan.
Mar. 11—W. W. Otey & Sons, Winfield, Kan.
Mar. 12—G. C. Norman, Winfield, Kan.
March 12—Richard Rothgeb, Pleasant Green, Mo.
March 13—R. P. Wells, Formoso, Kan.
March 13—Sam'l Drybread, Elk City, Kan.
March 25—W. H. Mott, Burlington, Kan.
Apr. 8—S. W. Alfred & Sons, Enid, Okla.

Hampshire Hogs.
March 14—Roy E. Fisher, Winside, Neb.
March 12—H. D. DeKalb, DeKalb, Ia., sale at Council Bluffs, Ia.

Jersey Cattle.
May 11—H. C. Johns, Carthage, Mo.

Hereford Cattle.
Mar. 31-April 1—Breeders' sale at Kansas City. R. T. Thornton, Mgr., 3629 Charlotte.

Percheron Horses.
March 19-20—North & Robinson, Grand Island, Neb.

Jacks and Jennets.
Mar. 9—G. C. Roan, La Plata, Mo.

Combination Stock Sales.
Mar. 10 to 14—F. S. Kirk, Mgr., Enid, Okla.

The International Review.
The Percheron Society of America has printed a beautifully illustrated booklet entitled the "International Review" in which is shown the pictures of the Percherons which won in the recent International shows. This booklet will be especially valuable to farmers who were not able to attend this great show. It will enable them to compare the Percherons they are producing with the great International winners. Mr. Wayne Dinsmore, secretary of the association, will be glad to send copies of this booklet to any of our readers who are interested in the production of good Percherons. The International Review is now on the press and will be ready for mailing in a very short time. If you would like to have a copy write Mr. Wayne Dinsmore, Record Building, Union Stock Yards, Chicago, Ill.

S. W. Kansas and Oklahoma
BY A. B. HUNTER.

Bishop Bros., Towanda, Kan., have a fine assortment of Percheron stallions priced where, if you mean business, you can do business before you leave their barns. Write them when you will be at Towanda to look them over. Barns right in town. Please mention Farmers Mail and Breeze when writing.

Bargains in Jacks.
Phil Waker, Moline, Kan., invites you to come and see for yourself what he is offering his customers in big boned, serviceable jacks. His trade this season has been unusually good. Write him a line stating when you can come and look them over, mentioning Farmers Mail and Breeze.

Double Standard Polled Bulls.
Here is a chance for our readers who need a good Hereford bull. John M. Lewis of Larned, Kan., is advertising in this issue a 3-year-old double standard polled Hereford bull, 18 bred horned cows and a number of polled and horned yearling bulls. This stock is well bred and will be priced reasonably, as Mr. Lewis is anxious to move the cattle at once. Write him for prices and particulars and mention Farmers Mail and Breeze.

Storm Spills Jack Sale.
Hutchens & Hineman's great jack and jennet sale advertised to sell at Sterling, Kan., Tuesday, February 24, would no doubt have been a red letter day in the jack history of Kansas had the day preceding this sale not been so stormy. The storm that raged throughout the state and the Southwest practically cut off all buyers from a distance. However, these gentlemen determined to sell to the crowd that was present so long as there was a demand for jacks. Seven jacks were sold at an average of \$723. The season being so far advanced these gentlemen will not hold a postponed sale, but have decided to offer at private treaty 30 head of jacks, the remainder of those advertised in this great sale and others from these two great

herds not cataloged in the sale offering. To jack buyers of the Southwest we wish to state that these gentlemen won more premiums at Hutchinson State fair last year than all other jack exhibitors combined, and if you want a good, serviceable, nicely broken 2 to 6-year-old jack from 14 to 16 hands high where the owner stands back of him with a guarantee making him exactly as represented, do not delay looking over these two great herds, while you may yet have first pick. Read display ad in this issue. Following is a list of buyers:

- No. 1—G. H. Ralston, Mullenville, Kan....\$ 800
- 2—C. J. Winkleman, Bloom, Kan..... 710
- 3—J. R. Moll, Little River, Kan..... 1,005
- 4—J. H. Cavanaugh, Dighton, Kan..... 1,000
- 5—F. W. Rolefs, Euston, Kan..... 720
- 16—E. E. McHue, Bucklin, Kan..... 530
- 21—C. D. McMurray, Mt. Hope, Kan... 205



A bunch of J. H. Smith's coming two-year-old jacks.

J. H. Smith of Kingfisher, Okla., has a great family of jack stock; big, good lookers and great mule jacks. He has now on hands most all ages from 8 years old down, ranging in height from 15 1/2 to 16 hands. They are bred from the best Kentucky and Missouri Mammoth stock, all tracing to imported stock with the great sweepstake winner Jumbo B. 8964 at the head of the herd. Mr. Smith breeds for the very best. A certificate goes with each animal sold. Write or call at farm and look them over. Please mention Farmers Mail and Breeze.

Good Duroc Boars.
Harold P. Wood, proprietor of Hillside Farm, Elmdale, Kan., is in position to supply you with a fashionably bred young boar ready for immediate service, and is making prices on some good young fellows that weigh from 125 to 160 pounds. They are broad-ribbed, good-headed and good-footed with plenty of size and bone. They are bred by such sires as Dandy Model, a grandson of Dandy Duke, reserve grand champion at the American Royal, and out of Lincoln Model, grand champion at Hutchinson State Fair; also a few by Model Col. H. These young boars will please you and the price is right.

Blackshire & Weaver's Good Sale.
Blackshire & Weaver's Duroc-Jersey sale at Elmdale, Kan., Saturday, February 28, was very satisfactory. Buyers were present from various sections of the state, however, the recent snow had left the roads in such a bad condition that much of the usual local support was not present. The offering consisted largely of bred sows and gilts only just in good breeding condition and will make good money for the purchasers, while the prices were very satisfactory to Messrs. Blackshire & Weaver. The top of the offering was by J. R.'s Col. and a granddaughter of Lincoln Model. She went to A. T. Campbell, Marion, Kan., at \$80. The 41 head averaged \$36. Following is a list of buyers and representative sales:

- No. 1—A. T. Campbell, Marion, Kan.....\$80.00
- 2—Wm. Stubenhofer, Elmdale, Kan.... 39.00
- 3—John Gibbs, Elmdale, Kan..... 40.00
- 4—H. A. Loy, Americus, Kan..... 44.00
- 5—C. L. Buskirk, Newton, Kan..... 51.00
- 10—Lewis Oldenberg, Elmdale, Kan.... 41.00
- 12—C. A. Critcher, Florence, Kan..... 41.00
- 17—H. J. Urish, Scranton, Kan..... 37.00
- 18—Hunter Bros., Emporia, Kan..... 41.00
- 19—Lewin Bros., Admire, Kan..... 33.00
- 20—W. H. Stout, Saffordville, Kan.... 31.00
- 23—Ed Gear, Cottonwood Falls, Kan.... 26.00
- 27—Harry Rhodes, Tampa, Kan..... 21.00
- 30—C. F. Campbell, Elmdale, Kan..... 26.00
- 31—Joe Swilling, Saffordville, Kan.... 40.00
- 41—F. C. Gearver, Clay Center, Kan... 50.00
- 42—F. L. Anderson, Augusta, Kan.... 40.00

Robison Has Good Sale.
J. C. Robison's 18th annual sale of registered Percherons, held at Whitewater Falls Stock Farm, Towanda, Kan., Wednesday, February 25, gave abundant evidence of the popularity of the Percheron. The usual Robison methods were used in handling in a comfortable way all patrons both while at the sale and to and from trains. The general storm throughout the Southwest somewhat cut down the attendance, however, numerous buyers were present and the bid-

ding was spirited. No sensationally high prices were paid for any of the animals offered and a number of good bargains were sold. A feature of the sale was the number of bidders on the brood mares. The sale at no time was draggy. Col. John D. Snyder sold the entire offering, assisted in the ring by Coles. Newcom, Yazel and Elliott, in less time than any like number ever went through a Whitewater Falls sale ring. Forty-four head sold, 31 mares and fillies, at an average of \$389.51, and 13 stallions at an average of \$632.69. Following is a list of sales:

STALLIONS.

No. 1—Charles F. Dyerly, Pratt, Kan.....	\$ 900
7—Will Christian, Guymon, Okla.....	1,040
8—G. W. Forbes, Cherryvale, Kan.....	400
12—C. E. Rock, Pawnee, Okla.....	625
15—John Strother, Kiowa, Kan.....	350
16—C. A. Relmer, Canton, Kan.....	625
24—A. D. Clark, Stillwater, Okla.....	475
29—G. W. Forbes, Cherryvale, Kan.....	675
40—John Hardman, Hinton, Okla.....	670
49—J. H. Woods, Turon, Kan.....	600
50—G. W. Forbes, Cherryvale, Kan....	1,110

MARES.

3—D. E. Algure, Oklahoma City.....	450
4—D. E. Algure, Oklahoma City.....	450
6—J. P. Hershberger, Harper, Kan....	360
9—Pioneer Stock Farm, Valentine Neb.....	375
10—J. H. Jackson, Enid, Okla.....	460
13—G. W. Forbes, Cherryvale, Kan....	375
19—Wm. Campbell, Bronson, Kan.....	340
21—A. P. Loomis, Diamond Springs, Kan.....	430
25—J. P. Hershberger, Harper, Kan....	385
27—J. P. Hershberger, Harper, Kan....	405
28—J. P. Hershberger, Harper, Kan....	450
32—H. S. Baker, Cherryvale, Kan.....	365
33—John Hobson, Conway Springs, Kan.....	355
24—E. S. Rule, Sharon, Kan.....	400
35—Ed Richards, Oklahoma City.....	375
36—Wm. Campbell, Bronson, Kan.....	340
37—Fullenweider, El Dorado, Kan.....	300
38—Fullenweider, El Dorado, Kan.....	300
41—Dr. Harry Grinnell, Severy, Kan....	400
42—J. P. Hershberger, Harper, Kan....	385
43—E. S. Rule, Sharon, Kan.....	400
44—John Hobson, Conway Springs, Kan.	330
45—G. W. Forbes, Cherryvale, Kan....	430
46—Harry Eschelmann, Sedwick, Kan.	425
47—Henry Wickey, Deer Creek, Okla..	530
53—Henry Wickey, Deer Creek, Okla..	530
54—John Hobson, Conway Springs, Kan.	355
57—E. S. Rule, Sharon, Kan.....	560

N. W. Kansas and S. Nebraska
BY JOHN W. JOHNSON.

This is the last call for Rinehart & Son's big dispersion sale of Duroc-Jerseys at Smith Center, Kan., Monday, March 9. It is the opportunity of a lifetime for the breeder who wants to strengthen his herd. Come or wire bids to J. W. Johnson in care of them

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I am getting a great many inquiries through my advertisement. Respectfully,
I. W. PULTON,
Breeder of Red Polled Cattle,
Medora, Kan., Feb. 16, 1914.

Capper Publications, Topeka, Kan. Gentlemen—I have to date received five hundred and fifty-five inquiries from advertising through your papers. I think this will bring me about all I can well handle this spring so I think the best thing for me to do will be to stop the present advertisement and advertise deeded lands. Yours very truly,
A. P. KNIGHT,
Real Estate Dealer,
Jireh, Wyo., Feb. 14, 1914.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

BERKSHIRES.
BUY BERKSHIRES FROM BAYERS. They sell SHORTHORN BULLS too
J. T. Bayer & Sons, Yates Center, Kan.

ENGLISH BERKSHIRE BOARS
Pure Bred, weight 180 pounds. They will please you. \$25 crated. A. M. BRANDT, SEVERY, KANSAS.

Hazlewood's Berkshires!
A few good bred sows and gilts. Write today.
W. O. Hazlewood, Route 8, Wichita, Kan.

Walnut Breeding Farm
BERKSHIRE boars and gilts, spring farrow, grandsons of Barron Duke 50th, Big Crusader and Masterpiece 7700 and out of Lord Premier sows, also an imported bred outstanding, 2-year-old boar and a few good Hereford bull calves. Leon Waite, Winfield, Ks.

Berkshire Pigs
Choice pigs, either sex, 10 to 16 weeks old, sired by ROBINHOOD PREMIER 2d, or Adam, a son of Rival's Lord Premier. Nothing but the very choicest specimens shipped. Price: registered, crated F. O. B. here—one \$20; two \$35; three \$50. W. J. CRIST, Ozawkie, Kas.

Prize Offer: If You Have Ever Used Cold Pressed Cotton Seed Cake Read This:

We are offering the following cash prizes: First prize, \$25.00; second prize, \$15.00; third prize, \$10.00. These prizes are offered for the best Testimonials from people who have used Cold Pressed Cotton Seed Cake. They should be in the form of letters addressed to us, and must be acknowledged before a Notary Public. This contest will close April 1st, 1914. For further information address:

AMERICAN ICE & OIL COMPANY, OKLAHOMA CITY

DUROC-JERSEYS.

DUROC-JERSEYS Fall boars and sows, some bred. Crimson Wonder breeding. Special low price. A.G. Dorr, Osage City, Mo.

MODEL AGAIN Duroc-boars, \$15.00 Bred gilts, \$35.00 Immune. R. W. BALDWIN, Conway, Kan.

DUROC-JERSEYS Herd boar, by Model Top, Watson's Col., 6 tried sows and fall pigs. Best of breeding. R. C. WATSON, Altoona, Kansas

Guaranteed Immune Duroc Sows Duroc-Jersey bred gilts for sale, guaranteed, immune and in farrow. I ship on approval. No money down before inspection. F. C. CROCKER, FILLEY, NEBRASKA

COLONEL WONDER the undisputed "Grand Champion" of Missouri, heads my herd. Spring boars, bred gilts and fall yearlings, by him or bred to him, for sale. Come or write. CHAS. L. TAYLOR, Olean, Mo.

Smith's Durocs Fashionably bred boars, including grandsons of the great graduate Col., and a herd-leading son of the champion, Tatarax. Also spring boars. J. R. SMITH, NEWTON, KANSAS

Bonnie View Durocs Bred gilts and fall pigs for sale. They are sired by Grand Champion Tat-A-Walla and S. & C's Col. Searle & Cottle, Berryton, Kansas.

Red, White and Blue Herd of Durocs This herd is headed by Whiskey and Faith, 129317, 1st in class, champion and then grand champion American Royal Live Stock Show, Kansas City, 1913. 22 months old and weighs around 1000 pounds. State your wants. James L. Taylor, Olean, Miller Co., Mo.

Otey's Sensational Grand Champion Sale of Durocs, Winfield, Kansas, March 11th One of the very greatest offerings of 50 head East or West. Send for catalog. W. W. OTEY & SONS, Winfield, Kansas

MCCARTHY'S DUROCS Handsome fall pigs, either sex. Champion blood on both sides. Priced for quick sale. They will please you. Daniel McCarthy, Newton, Kan.

QUIVERA HERD DUROCS Am now receiving orders for spring pigs. Will have some nice things to offer in the way of bred gilts about March 15. Everything immune and priced to sell. E. G. MUNSELL, Route 4, Herington, Kan.

DUROC BOARS Hillside Farm offers a dozen growthy fall boars ready for service, weighing 125 to 160 pounds. Write today. HAROLD P. WOOD, ELMDALE KANSAS

Bryan Bros. Durocs Pigs in pairs, unrelated, by Ill Chief Buddy No. 145879 and Wonder Chief II No. 139951, at reduced prices for 30 days. BRYAN BROS., Hutton Valley, Mo.

Stith's DUROCS Sows and gilts bred to and young boars and gilts by Model Duroc, one of the best sires of the breed. His half brother and sister were grand champions. His sire was a champion. Write today. CHAS. STITH, Eureka, Kansas

MAPLEWOOD DUROCS Boars all sold. 40 open and bred gilts for sale. Will ship on approval. Write for prices. W. H. MOTT, HERINGTON, KANSAS

WELLER'S DUROC BOAR BARGAINS A few choice March boars for sale at \$25, one at \$35. These are sired by E Pluribus Unum 150853 and are bargains. Also yearling gilts, bred, at \$30. J. E. WELLER, FAUCETT, MISSOURI

BANCROFT'S DUROCS We hold no public sales. Nothing but the best offered as breeding stock. Choice 250 to 280 pound bred gilts \$35.00. Sept. pigs, pairs and trios, not akin, 100 pounds up, \$20, two \$37.50, three \$55. Customers in 11 states satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KANSAS

POLAND CHINAS.

BIG TYPE POLAND SPRING GILTS Bred to The Giant 6831 for spring litters. Priced to move them now. J. F. Foley, Orinogue, (Norton Co.) Kansas.

We are booking orders for pigs by the Grand Champion, King Hadley, that won more sweepstakes prizes in 1913 than any other Big Type Poland China hog. W. Z. Baker, Rich Hill, Mo.

Sunny Side Poland Chinas Pigs of September, 1913, farrow for sale. Have sold all my spring boars and bred sows. J. G. BURT, Solomon, Kansas.

Nebraska Type Polands Choice fall yearling gilts by Hayden's Big Hadley sire, bred to Pan Wonder. Prices right. C. C. INGRAM, Bloomington, Nebraska.

One Hundred Poland China Sows Pay the price and take your choice. Pedigree and guarantee goes along with the sow. Ben Frank, Jefferson City, Missouri. WRITE IN ENGLISH OR GERMAN

EVER GREEN STOCK FARM Offers 20 extra good Poland China bred gilts, 10 boars that will weigh 200 pounds and 60 fall pigs good enough for 1914 prize winners. Extra large type. E. E. CARVER & SON, Guilford, Missouri.

Mt. Tabor Herd Polands 20 tried sows to farrow in March and April, 30 yearling gilts to farrow in May and June. Also open sows and gilts bred to order. Four great boars in my herd. Prices right. Immune. Address J. O. WILLFOUNG, ZEANDALE, KANSAS

at Smith Center. Such bids will be handled to your entire satisfaction.

Sows Bred to Crimson Defender.

March 18 is the date of R. P. Wells's Duroc-Jersey sale at Formoso, Kan. Mr. Wells has been one of the best buyers at leading Duroc-Jersey bred sow sales in that section of the state this winter and was a good buyer last winter and the winter before. He has always bought what he thought was the best, regardless of price, and this summer bought a great young boar from the R. G. McDuff herd in Iowa. Most of the offering is bred to this boar. He is recorded as Crimson Defender and was sired by I Am a Crimson 2d by I Am a Crimson Wonder. His dam was sired by old Defender. In this sale there will be five tried sows and the balance are spring gilts. It is an offering that is right in every way. Those who are interested can write Mr. Wells for a catalog and if you can't come send bids to J. W. Johnson in care of R. P. Wells and such bids will be looked after carefully.

Willifoung's Bred Sows.

In this issue J. D. Willifoung, Zeandale, Kan., is starting his advertisement. J. D. Willifoung needs no introduction to Farmers Mail and Breeze readers, especially to those who breed Poland China hogs. He has advertised off and on in this paper for years and is well and favorably known. The Mt. Tabor herd of Poland Chinas is one of the well known herds in the West. At the present time he has 260 head of Poland Chinas in his herd and is ready to price sows and gilts bred for spring farrow. He does not hold public sales but sells direct to the many customers of his herd at private sale. He is offering 30 tried sows bred for March and April farrow and 30 yearling gilts bred for May and June farrow. He is making the prices right and if you are interested you had better write him for prices and descriptions. You will get a good square deal from him and will be pleased with his way of doing business if you give him an order.

A Successful Jack Sale.

Cornelius McNulty's big jack and jennet sale at Concordia, Kan., last Saturday was well attended and the prices received were very satisfactory to Mr. McNulty. This was the first sale of the kind ever held in north central Kansas and was something new to most of those who attended. While everyone appreciated the quality of the offering and the honest condition in which it was presented, it was very evident from the start that they were not willing to pay the prices which this class of jacks and jennets usually command. Col. Bob Harriman conducted the sale, assisted by Charles McNulty, of Ordway, Colo., a brother of Cornelius, and by Dan Perkins. Cornelius McNulty's jack breeding farm is in Rocks county and he has jacks and jennets for sale at all times. He is in the business to stay and this was only a draft sale from his herd at Stockton, Kan.

Mott's Duroc Bred Sows.

W. H. Mott, Herington, Kan., is offering a draft of 40 Duroc-Jersey bred sows from the "Maplewood Stock Farm" herd, Herington, Kan., Wednesday, March 25, that will prove as classy a lot of Duroc-Jersey sows as has been sold this winter. Six of them are tried sows that he is selling simply to make up an attractive offering and because he is buying some new blood. The tried sows represent noted sires and dams and the 34 spring gilts are the big, smooth, well-grown kind that breeders everywhere are anxious to buy. They are well bred and have been as carefully handled and fed as any like number of sows ever fitted for the farrowing season. They will not be loaded with fat, but in just nice breeding form, and are sure to prove money makers for the man who buys them. Maplewood Stock Farm is a well improved stock farm owned by Mr. Mott and is four miles out of town. It is the home of good Holsteins and Duroc-Jerseys. This is his initial bred sow sale and he is anxious to attract a nice attendance of breeders to his farm, because he feels certain that his offering of bred sows will compare very favorably with any like number that has sold this winter. The writer is sure that it is one of the best offerings of the season. Drop him a line and ask him to send you a catalog. Write today. If you can't possibly attend you can send your bids to J. W. Johnson, in care of W. H. Mott, Herington, Kan., and they will be handled to your entire satisfaction. Remember the date, March 25.

Shorthorn Cattle Sold Well.

Hoadley & Sigmund's Shorthorn dispersion sale at Norton, Kan., last Friday was very well attended considering the fact that the worst storm of the season had just past two days before the sale, leaving the country roads and railroads badly blockaded. The offering was exceptionally good and was well received by the breeders who were there. An average on the entire offering was almost \$100 and was very satisfactory to Hoadley & Sigmund. Below is a list of the representative sales:

No.	Name	Price
1	Will Shaw, Norton, Kan.	\$132.50
2	G. H. Graham, Alma, Kan.	75.00
3	G. E. Whitney, Alma, Kan.	90.00
4	Paul Broquet, Norton, Kan.	85.00
5	A. L. Lusler, Alma, Kan.	127.50
6	T. E. Whitney, Alma, Kan.	75.00
7	C. E. Falany, Alma, Kan.	100.00
8	J. E. Reives, Norton, Kan.	90.00
9	J. W. Allen, Norton, Kan.	87.50
10	Emil Isaacson, Scandia, Kan.	102.50
11	A. Altman, Alma, Kan.	87.50
12	Emil Isaacson	90.00
13	C. E. Faland	90.00
14	Emil Isaacson	100.00
15	Paul Broquet	77.50
16	J. W. Leggett, Alma, Kan.	90.00
17	A. E. Atkinson, Alma, Kan.	82.50
18	J. W. Leggett	75.00
19	W. W. Smith, Calvert, Kan.	72.50
20	A. L. Lusler	125.00
21	Peter Lutz, Alma, Kan.	172.00
22	Emil Isaacson	150.00
23	A. L. Lusler	157.50
24	Zeke Kelly, Alma, Kan.	137.50

Prices Ranged Very Even.

A. T. Cross, Guide Rock, Neb., held his sale as advertised last Wednesday. The worst storm of the season had just passed, leaving the country roads badly blockaded and the railroads just opened up for trains. The offering was one of the best ever made in southern Nebraska and the average of right at \$40 was not enough considering the high quality and general usefulness of the offering. The 40 spring gilts that made up the offering were the tops from his crop of 250 last spring gilts and were in the pink of breeding condition. It was an offering that

POLAND CHINAS.

25 BOARS and GILTS Of August and September farrow. Sired by Bell Metal Again and Chief Price. Out of my big, mature sows. Prices right to move them quick. L. E. KLEIN, ZEANDALE, KANSAS.

BRED GILTS FOR SALE 25 big Poland China gilts sired by Cavetti's Mastiff and Tom Jr. and bred to Sterling and Tom Jr. Write for prices. A. L. ALBRIGHT, Waterville, Kan.

LARGE WITH PLENTY of QUALITY Handsome 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, Kan.

Poland Chinas \$25 Each I will deliver at your station in Kansas, Missouri and Oklahoma, fall boars and open gilts weighing 110 to 140 lbs. for \$25 each. They are sired by Mammoth Orange, one of the biggest and best breeding sows of Big Orange. He would weigh 800 lbs. at 18 months if fat and has plenty of quality. Dams are sired by Cowles' Tecumseh and Expansion Too. These pigs have the best of big type breeding back of them and can't help but grow out good. F. S. COWLES, ROUTE 2, LAWRENCE, KANSAS.



Joe Hemmy's Herd Big Type Polands

For Sale: My herd boar, Hemmy's Hadley by Spangler's Hadley, by old Big Hadley. I will take \$50 for him and he is certainly a bargain. Also an August boar at \$10, an August gilt at \$20 and a March boar at \$18. Everything guaranteed. JOE HEMMY, HILL CITY, KANSAS.

Dean's Mastodon Poland Chinas Serviceable boars and bred sows and gilts. I have some 3-year-old sows 65 inches long, bone 8 1/2 in., and 34 inches high. VACCINATED AND IMMUNE Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 8d. Everything guaranteed and sold worth the money. Phone Dearborn; station, New Market, and postoffice, Weston, Mo. Address CLARENCE DEAN, WESTON, MISSOURI.

BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Trusttype, King's Trusttype, and the great show boar King's 10th Masterpiece. All long, large and heavy bodied. Sows farrow from August 1st to December 1st. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, Burlington, Kansas



Royal Scion Farm Durocs

The great Graduate Col., assisted by Col. Scion, heads this herd. Bred sow sale March 12. Watch for further announcement and write for catalog. G. C. NORMAN, R. 10, WINFIELD, KANSAS.



Jewell County Breeders' Association

Members of this association, advertising below will offer nothing but first class animals for sale for breeding purposes.



F. W. Bevington, Pres.

L. W. Kyle, Secy.

HAMPSHIRE HOGS.

Hampshire Hogs No stock for sale at present. Wanted: S. S. Hamburg chickens. ROY HAGGART, Mankato, Kansas

O. L. C. HOGS.

O. L. C. SEPTEMBER PIGS for sale also White Holland Turkey toms. DR. W. W. SPENCER, Mankato, Kansas

POLAND CHINAS.

Polands, Shropshire Sheep 100 Spr. pigs, both sexes, strictly big type. Ram lambs. Write for prices. Ira C. Swihart & Son, Webber, Kan.

50 BIG BOARS Spring farrow. Big and smooth. Priced to sell. Also choice gilts. Bred Sow Sale March 10. JOSHUA MORGAN, HARDY, NEBR.

Three June Boars sired by Jumbo have ever raised. For sale right. Bred Sow Sale March 4. JOHN KEMMERER, Mankato, Kan.

Bell's A. Wonder 61891, one of the best of old A Wonder, priced to sell. Immuned and guaranteed. Ira C. Kyle & Son, Mankato, Kan.

FALL AND SPRING BOARS for sale. Also spring gilts and summer yearlings. Barred Rocks, E. I. Reds and W. Wyandottes. W. A. McINTOSH, Courtland, Kan.

PRIVATE SALE Spring boars and gilts. Best of big type breeding. Ask for prices and descriptions. TUBOR J. CHARLES, Republic, Kan.

DUROC-JERSEYS.

BRED GILTS A few very choice well grown spring gilts bred for early spring farrow. Priced right. Write for prices. E. M. Myers, Burr Oak, Ks.

SUMMER BOARS Choice heavy boned fellows, by Buddy O. K. Also herd boar, Tat's Chief for sale. R. P. WELLS, FORMOSO, KANSAS

Fall Boars and Gilts Sired by Model Chief and Crimson Burr. Pairs and trios not related. Bred Sow sale at Burr Oak, Feb. 21. DANA D. SHUCK, BURR OAK, KAN.

50 Duroc Bred Sows Feb. 9. Five spring boars for immediate sale. Good. Write for Bred sow catalog. E. A. TRUMP, FORMOSO, KANSAS.

10 Good Spring Boars priced right to move them quick. JOHN McMULLEN, Formoso, Kansas

40 SPRING PIGS of March and April farrow. Priced to sell. No public sale this season. O. C. THOMAS, WEBBER, KANSAS

POLAND CHINAS.

Polands With Size and Quality Boars and bred sows for sale, sired by Waechters Referee and King Hadley, Cholera immune. Lambert Bros., Smith Center, Kan.

ENOS BIG POLANDS Two extra spring boars, 36 large, smooth, bred gilts and 10 extra good bred sows, bred to Orphan Chief and Major Hadley. Write today. A. E. ENOS, RAMONA, KANSAS.

Joe Baier's Polands

No boars left. A lot of choice bred sows and gilts at private sale bred to my herd boars. Write for prices and descriptions.

J. M. Baier, Dickinson Co., Elmo, Kan.

Robinson's Mammoth POLAND CHINAS

We offer for sale some extra good September and October farrowed pigs, both sexes. Two boars farrowed May 20th last that are herd headers, and are booking orders for this Spring's pigs of February and March farrow, to be shipped at weaning time. We ship on approval and if you are not satisfied you return the hog and are not out a cent. F. P. Robinson & Co., Maryville, Mo.

Joe Hemmy's Herd Big Type Polands

For Sale: My herd boar, Hemmy's Hadley by Spangler's Hadley, by old Big Hadley. I will take \$50 for him and he is certainly a bargain. Also an August boar at \$10, an August gilt at \$20 and a March boar at \$18. Everything guaranteed. JOE HEMMY, HILL CITY, KANSAS.

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SHORTHORNS.

Oscar Green's Shorthorns Popular breeding. Stock for sale. A good herd bull proposition. OSCAR GREEN, MANKATO, KANSAS

POULTRY.

Mammoth White Holland Turkeys Toms \$4.00, Hens \$3.00. Excellent Stock. W. E. MONASMITH, Formoso, Kansas

EGGS FROM WHITE POULTRY Pekin and Runner ducks, Rocks, Holland turkeys and Cochin bantams. Also Spitz dogs and Fantail pigeons. A.T.GARMAN, COURTLAND, KS.

GUERNSEY CATTLE.

Registered GUERNSEY BULL CALVES for sale. Write for description and prices. W. E. EVANS, JEWELL, KANSAS

JERSEY CATTLE.

Jersey Heifers that will freshen in Jan., Feb. and March. Four fall yearlings bred, six heifer calves 10 months old. Write for prices. J. W. Berry, Jewell City, Kan.

D. S. POLLED DURHAMS.

Bull Calves, year old in April and May. Dark herd bull. Can't we trade? R. T. Vandeventer & Son, Mankato, Kan.

PERCHERONS.

PERCHERON Stock for sale. Always good horses in service. H. G. MYERS, HARDY, NEB.

AUCTIONEERS.

John Brennan & Son Livestock Auctioneers ESBO, KANSAS WRITE OR PHONE FOR DATES

M. S. HOYT, MANKATO, KAN. Write or phone Livestock Auctioneer for dates.

Frank Regan Livestock Auctioneer ESBO, KAN. WRITE OR PHONE FOR DATES.

Ole Hanson, Livestock Auctioneer Mankato, Kan. Write or phone for dates.

DAN GALLAGHER, Jewell City, Kan. LIVESTOCK AUCTIONEER Write or phone for dates.

LIVESTOCK AUCTIONEERS.

COL. T. E. GORDON, WATERVILLE, KANSAS. Merchandise Auctioneer. Write for open dates.

Spencer Young, Osborne, Kan. Livestock Auctioneer. Write for dates.

W. C. CURPHEY, Salina, Kansas. Write, phone or wire for dates. Address as above.

CHAS. M. SCOTT Livestock Auctioneer Hiawatha, Kansas

G. A. Drybread The Auctioneer Elk City, Kan. Live Stock and Farm Sales made anywhere. Prices reasonable. Give me a trial. Satisfaction guaranteed.

BOYD NEWCOM Wichita, Kansas. Livestock and Real Estate Auctioneer. Write, wire or phone for date.

D. F. Perkins, Concordia, Kan. Livestock Auctioneer. Write, wire or phone for dates.

JESSE HOWELL Herkimer, Kan. Livestock Auctioneer. Write or phone for dates.

Jas. T. McCulloch, Clay Center, Kan. Reference: The breeders I am selling for every year. Write for open dates.

J. P. Oliver Newton, Kan. Livestock and Real Estate Auctioneer. My 20 years experience insures better results.

B. O. BROADIE Livestock Auctioneer Winfield, Kas. Write or phone for dates. Satisfaction guaranteed.

JAS. W. SPARKS Live Stock Auctioneer MARSHALL, MO.

L. R. BRADY Manhattan, Kansas Livestock Auctioneer. Write or wire for dates.

Will Myers Beloit, Kan. Is already booked on leading breeders' sales in Central Kan. Choice dates still open. Write or wire.

W. B. Carpenter Livestock Auctioneer 1400 Grand, KANSAS CITY. Also Land Salesman

Be an Auctioneer

Travel over the country and make big money. No other profession can be learned so quickly that will pay as big wages. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School. Next term opens April 6, 1914.

MISSOURI AUCTION SCHOOL Largest in the World. W. B. Carpenter, Pres 1400-04 Grand Ave., Kansas City, Mo.

O. I. C. HOGS.

Tried Sows and bred gilts, also registered boars. Harry Kamping, Elmore, Kansas.

Registered Herd Boar, 400 lbs. \$50. 80 Fall pigs, either sex. New blood for old customers. F. C. GOOKIN, RUSSELL, KAN.

SUNNYSIDE O. I. C. HOGS Boars and gilts ready for service. Pairs not related. Best breeding. Priced to sell! W. H. LYNCH, READING, KANSAS.

EDGEWOOD O. I. Cs.

Three extra good early spring boars, also big growthy April gilts, open or bred to order. A few choice fall pigs. Mention Mail and Breeze. Henry Murr, Tonganoxie, Kans.

Grandview Stock Farm Herd headed by O. K. Wonder. Choice O. I. C. May boars. January and May gilts bred or open. Priced for quick sale. ANDREW KOSAK, DELPHOS, KANSAS.

BOARS! BOARS! BOARS! A great line of spring O.I.C. boars, large and growthy and priced at rock bottom prices to move them quickly. Booking orders on fall boars and gilts for December delivery. JOHN H. NEEF, BOONVILLE, MISSOURI

URIEDALE HERD O. I. C.'S

URIE BOY by Don Magna, out of a litter of 24, heads the herd. The most unique hog plant in the country. Size, prolificness, quality and cleanliness. Sows of best breeding. Booking orders now for spring pigs at weaning time. W. T. URIE, BOX 93, INDEPENDENCE, MISSOURI.

HAMPSHIRE.

Registered Hampshires Spring boars and gilts priced to sell. Every hog properly vaccinated. C. E. LOWRY, OXFORD, KANSAS

Pure Bred Hampshires Some extra choice, well-bred spring boar pigs for sale. ALVIN LONG, Lyons, Kansas.

SPECIAL PRICES on Pedigreed young Hampshire boars, bred sows and gilts. Call on or write. J. F. PRICE, Medora, Kan.

HAMPSHIRE All sold out except three fall boars. FRANK H. PARKS, OLATHE, KANS.

reflected credit on Mr. Cross. The prices ranged very even and \$60 was the top and was paid by William Gummert of Superior, Neb., for No. 1 Below is a list of buyers, the principal purchasers in the sale:

- 1-Wm. Gummert, Superior, Neb. \$40.00
2-Walter Betz, Nelson, Neb. 43.00
3-P. T. Nelson, Superior. 51.00
4-S. C. Atchison, Hardy, Neb. 37.00
5-Dana D. Shuck, Burr Oak, Kan. 55.00
6-M. Massinger, Guide Rock, Neb. 37.00
7-John Olmstead, Guide Rock. 40.00
11-Charles McMorda. 41.00
12-Ward Bros, Republic, Kan. 40.00
17-H. B. Miner, Guide Rock. 40.00
20-Chris Olmstead, Guide Rock. 40.00
30-J. B. Lambert, Guide Rock. 38.00
26-Ad. Fringer, Guide Rock. 41.00
27-F. O. Lambert, Guide Rock. 40.00
32-James Jennings, Guide Rock. 38.00
33-Fred Massinger, Guide Rock. 34.50
35-William Burdick, Guide Rock. 40.00

N. E. Kansas and N. Missouri

BY C. H. WALKER.

Edgewood O. I. C.'s.

Henry Murr of Tonganoxie, Kan., proprietor of the Edgewood herd of O. I. C.'s is making attractive offers now on a few toppy spring boars ready for service, boars that combine the best breeding with top individual merit. He also is offering a choice line of April and May gilts bred for late spring litters that should appeal to those in the market for something good. Note his card in this issue and write him for prices and particulars.

Webb's Poland Sale Postponed.

Owing to the severe snow storm of February 24, crippling train service and making the roads impassable, the W. R. Webb sale of Poland China bred sows, scheduled for that date at Bendena, Kan., was postponed until Saturday, March 14. On this date the same high class offering which Mr. Webb had to sell will be offered. In a way it is an advantage to the prospective buyer, for the sows and gilts will be carrying their own guarantee stronger and the sale will come at a more advantageous time for the buyer. Mr. Webb has a great offering and those in the market for choice breeding stock will be overlooking a mighty good bet if they fail to attend and buy one or two of these top sows. It is not too late to get a catalog of this sale if you have not already done so, but don't stay away on that account. The offering is there and Mr. Webb stands behind it, which should be all that any hog man could ask in the way of a guaranteed sale. Mail bids may be sent to C. H. Walker of this paper in Mr. Webb's care and be assured of careful treatment. Remember the new date is next Saturday, March 14.

Dean's Mastodon Polands.

Exceptional values are being offered in stock of both sexes and of ages that will suit most any farmer or breeder by Clarence Dean of Weston, Mo., one of the pioneer breeders of big type Poland Chinas of Missouri. Mr. Dean is producing them so good and is filling the requirements of the bigger and better Poland Chinas so well that he is shipping his stock to Iowa and Nebraska, considered as the fountainhead of the big type. That is proof enough that he is sending out the kind that make good. His herd boars, Mastodon Price, Columbia Wonder and Gritter's Longfellow 3d are a trio of boars that rank with the best of the breed and sows and boars sired by them and sows and gilts bred to them make mighty attractive buying propositions. If you want to improve the size of your hogs and at the same time retain the finish and quality buy a sow or boar of Mr. Dean. Write him for particulars and prices of the stock he has for sale and kindly mention this paper when making inquiry.

Taylor's Champion Durocs.

To the writer's personal knowledge no better values in Duroc-Jersey gilt hogs have been offered this year than the gilts for sale by Charles J. Taylor of Olean, Mo. Not only are they right individually and have been grown and developed by one of the foremost breeders and showmen of the day, but they are bred in the purple and are either sired by or bred to the Missouri champion, Col. Wonder. It can mean but one thing when a man goes out to the best shows of the country each year and wins a big portion of the prizes. It means that he has the goods, he has got to have the goods to win the purple ribbons in competition with the best from other herds. And every man who has the interest of his herd at heart and has a desire to improve the type and quality of his hogs should want something from a herd like Mr. Taylor's. Colonel Wonder is a great boar. He was placed at the head of them all at the state fair and a gilt sired by or bred to him will add prestige and value to any herd into which it goes. The prices are right, considering the high class breeding and individual merit offered and back of that is Mr. Taylor's iron clad guarantee that his stock must suit. Write him for further information of the bred gilts he has for sale and kindly mention this paper when making inquiry.

Gronniger's Bred Sow Sale.

An offering of big type Poland China tried sows, yearlings and gilts, sired by several of the leading boars of the breed and bred for April and May litters to boars of equal note, is the treat in store for the breeders and farmers who attend the Herman Gronniger & Sons' sale at Bendena, Kan., Tuesday, March 24. The Banner herd of Poland Chinas has been established for over a third of a century. Herman Gronniger is one of the pioneer breeders of Kansas and in all that time he has made an effort to produce a bigger and better Poland. The success he has attained is evidence enough that his methods have been wise and practical. This is the annual offering from this good herd and breeders and farmers who are anxious to replenish their herds will find much to please in this offering. The sale comes at a time when the feed question is solved. These sows will bring pigs in April and May, at a time when the largest per cent will be saved, and the Gronniger type carries with it such a combination of size and quality that April pigs from this herd will be as big in the fall as a lot of the March pigs. A sample of the good size attained by the Gronniger hogs is a September 1 boar pig which will sell. He is by Big Look and at 5 months old weighed 236 pounds. He is a herd header prospect and should be looked after by some breeder wanting a top boar. Fifty-five head of bred sows will be offered in this sale, represent-

ABERDEEN-ANGUS.

Angus Bulls and Heifers SUTTON FARM

Have 30 splendid heifers and 30 extra good bulls priced to sell. Write us today. SUTTON & PORTEOUS, R. 6, Lawrence, Kan.

Angus Cattle

A select lot of ready-for-service bulls for sale, best breeding and right individually.

W. G. Denton, Denton, Kan.

RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle. C. E. FOSTER, R. R. 4, Eldorado, Kansas.

RED POLLED CATTLE

Choice Young Bulls. Several good enough to head good herds—heavy boned, broad headed, breezy kind. Show prospects. Also a few cows and heifers. Visitors welcome. Call or write. I. W. FOULTON, Medora, Reno Co., Kan.

RED POLLED CATTLE.

Red Polled Cattle Young bulls ready to ship. Cows and heifers for sale. Best of breeding. Write, or better come and see. CHAS. MORRISON & SON, Phillipsburg, Ka.

HEREFORDS.

REGISTERED HEREFORDS For Sale Three year old double standard polled bull; eighteen bred horned cows; polled and horned yearling bulls. JOHN M. LEWIS, LARNED, KANSAS.

HEREFORD BULLS From Star Breeding Farm 65 yearlings, two's and three year olds, of the best of breeding. They are excellent animals for the range or to head good herds; the same class with which I have been furnishing the government. SAM'L DRYBREAD, ELK CITY, KAN.

Clover Herd Herefords

Headed by Garfield 4th, by Columbus 53rd. Choice cows from Funkhouser, Sunny Slope, Newman and other noted herds. FOR SALE—Bulls from 6 to 12 months old, at \$75 to \$100. Also 15 extra good 3-year-old cows, by Garfield 4th, all bred to calve in spring. F. S. JACKSON, Topeka, Kansas

R. P. Wells' Durocs 35 Immune Bred Sows Sale at Farm Near Town Formoso, Kan., Wed. March 18

Of the 35 head in the sale five are tried sows by such boars as Tat's Chief, Belle's Prince Wonder, Prince Wonder 2nd and Agra Topnotcher. The gilts are by Tat's Chief and Buddy O. K. Everything bred to Crimson Defender, by I Am a Crimson 2nd by I Am a Crimson Wonder. This is a great young boar a year old in March. His dam was by old Defender. Write for my Catalog. Send bids, if you can't come, to J. W. Johnson in my care. Address

R. P. WELLS, Formoso, Kan.

Auctioneers: John Brennen, Jesse Howell, J. W. Johnson, Fieldman.

H. D. DeKalb's Major Hampshire Sow Sale! 50 head "big type" Hampshire sows, bred, in sale at Keil Barn. Council Bluffs, Iowa, Thurs., March 12



MOLLIE'S BEST OF '07 4824, ONE OF DE KALB'S GOOD PRODUCING SOWS. SEVEN OF HER PIGS SOLD FOR \$927.

The above is a sample of the big Hampshire sows and gilts which go in this, the big Hampshire sale of the year. Our sows are large, heavy boned; good and prolific mothers. This is a sale of tops or prize-winning blood and bred to a number of the breed's best boars. Bred for March and April litters. Get the Catalog now and kindly mention this paper.

H. D. DeKALB, DeKalb, Iowa

C. H. WALKER, Fieldman. H. S. DUNCAN, N. G. KRASCHEL, Aucts.

SHORTHORNS.
SCOTCHSHORTHORNCATTLE
 Special prices on herd bull, cows and heifers of richest Scotch breeding. I am overstocked and must reduce my herd. Everything first class and guaranteed. **RAYMOND JAMESON, Ottawa, Ill.**

SHORTHORN BULLS
 Fashionably bred young bulls, by Roan King and Refiner, two Wisconsin bred sires and out of milking strain dams. They are the kind that make good for both dairy and beef. **Levi Eckhart, Winfield, Kan.**

Cedar Lawn SHORTHORNS
 A fine lot of Scotch and Scotch Topped bulls ranging in ages from 8 to 15 months. Priced low considering quality and breeding. Also my two-year-old, Big Orange, herd boss at a bargain.
S. B. AMCOATS, Clay Center, Kan.

Shorthorn Bulls!
 Pure bred registered bulls 6 to 18 months old, best of blood lines. We can also furnish you single or in car lot from our herd of 150 Shorthorns that are pure bred though not eligible to registry through failure to keep up pedigrees. Write your wants today. They are good and priced to sell quickly.
JOE KING & SONS, Potwin, Kan.

Shorthorn Cattle
 Pure Scotch and Scotch-topped cattle. The milking strain. No nurse cows needed on Oxford farm. Baron Cumberland at head of herd. Six young bulls, six heifers and twelve cows for sale. Correspondence and inspection solicited.
DR. W. C. HARKEY, LENEXA, KAN.

Shorthorn Bulls
 Two 18 months old and eight yearlings. Reds and roans. Got by pure Scotch sires. A grand lot of young bulls. Prices reasonable.
L. M. Noffsinger, Osborne, Kan.

Pearl Herd of Shorthorns
 About 20 choice young bulls, spring calves. Either Scotch or Scotch Topped breeding. Well grown and in good growing condition. Can ship via Rock Island, Santa Fe or Union Pacific. Write for prices and descriptions. Address
C. W. TAYLOR
ABILENE : : KANSAS

DAIRY CATTLE.
BONNIE BRAE HOLSTEINS.
 High grade heifers and cows; registered and high grade bulls.
IRA ROMIG, Sta. B, TOPEKA, KANSAS.

HOLSTEINS Large type, State inspected and tuberculin tested. Fine registered bulls, cows and heifers; also 100 grade cows and heifers. **M. P. Knudsen, Concordia, Kan.**

FOR SALE A few registered Holstein Bull Calves, **E. A. Higginbotham & Sons, Rossville, Kansas**

FOR SALE—5-Year-Old PURE BRED Also TWO BULLS OF HIS GET. PRICES RIGHT. Can't see in my herd any longer.
L. P. CLARKE, RUSSELL, KANSAS.

Young Jersey Bulls for Sale
 By sons of champion Flying Fox and Financial Countess Lad; also by a grand son of Gamboge's Knight. All out of high testing cows. **W. N. BANKS, Independence, Kansas.**

HOLSTEINS—CHOICE BULL CALVES
H. B. COWLES, TOPEKA, KANSAS.

DAIRY ROUTE FOR SALE
 Eight cows, all fresh. Five heifer calves. Well established route running \$90 per month. Dairy wagon, team and dairy utensils. For sale cheap. Address, **ARCHIE KANE, Manhattan, Kan.**

LINSCOTT JERSEYS
 Only Register of Merit herd in Kansas. Choice heifers and cows at \$101.00 and up. Bulls \$50.00 to \$150.00. Breeding and individual quality the very best obtainable. **R. J. LINSCOTT, Holton, Kansas**

Oak Hill Holsteins
 Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested. Absolute satisfaction guaranteed. State your wants fully in first letter—we can fill them.
BEN SCHNEIDER, NORTONVILLE, KAS.

SOMMER--BLADS GUERNSEYS!
 TUBERCULIN TESTED.
 Headed by Goodwills, Raymond of the Preel, son of Imp. Raymond of the Preel. Grade and registered females for sale, also registered bulls.
ERNEST KENYON, Nortonville, Kansas

ing the best blood lines. They have been grown and developed with a view to their future usefulness. The advertising of this sale, which appears in this and subsequent issues, gives more detailed information of the breeding, etc., and the catalog, which Messrs. Groninger want to send every man interested tells all about it. Write to them today and kindly mention this paper.

Last Call—DeKalb's Sale.
 This is the last issue in which we will have a chance to call our readers' attention to the big sale of Hampshire bred sows to be held by H. D. DeKalb of DeKalb, Ia., at Council Bluffs, Ia., on Thursday, March 12. In this sale Mr. DeKalb has selected the very best from his herd and the individuals listed are of such size and quality that it is right to call it a "big type" offering of Hampshires. Those who attend will find to their pleasure that the DeKalb Hampshires have something to recommend them besides the belt. Mr. DeKalb's reputation in the show ring and the breeding herd are such as to recommend his stock to those seeking the best. Those wanting herd improving material will find just what they want in this offering of bred sows. The very best breeding; quite a number of prize winners and the big majority from prize winning sires and dams will go through this sale to the highest bidder. No breed of hogs offers better inducements in the way of profit than the Hampshires do today and it behooves those who are wise to buy themselves rich in this sale. The catalogs are ready and will be mailed upon request by mentioning this paper. Detailed information of the offering to be sold will be found in the catalog. To those who cannot attend, mail bids may be sent to C. H. Walker, fieldman for this paper and be assured that their interests will be considered first.

S. E. Kansas and S. Missouri
 BY ED. R. DORSEY.
 Harry Givens of Madison, Kan., writes under recent date that his Duroc-Jerseys are getting along fine and that he has 15 sows bred to farrow in April and May. Mr. Givens is an old time breeder and understands how to breed good animals.

Drybread's Bulls Sell.
 Sam Drybread of Elk City, Kan., probably has more bulls to sell than any other breeder in Kansas. At any rate he is offering 65 head at this time. The offering includes 45 coming twos and threes and 20 big, husky yearlings. Mr. Drybread just sold 30 good bulls to the Springer Cattle Company of New Mexico at \$175 around. Note the ad in this issue and if interested in these bulls write Mr. Drybread, mentioning Farmers Mail and Breeze.

An Excellent Duroc-Jersey Offering.
 All fanciers of Duroc-Jersey hogs should remember the great offering of Richard Rothgeb of Pleasant Green, Mo., which will be sold on March 13. This is one of the last sales of the season and is one of the best bred offerings of the season. If you need some extra good bred sows and gilts attend this sale or send bids to Ed. R. Dorsey, who will handle them in your interest. Bids should be addressed to Mr. Dorsey in care of Richard Rothgeb, Pleasant Green, Mo.

Drybread's Bred Sow Sale.
 There is probably not a breeding farm in Kansas that does a greater volume of business each year than is done by the Star Breeding Farm of Elk City, Kan. This volume of business is made possible by the high quality of stock bred and sold by Samuel Drybread, the owner. This farm is the home of a splendid herd of Hereford cattle and one of the best bred herds of Duroc-Jerseys in the state. Some of the best known sires of the Duroc-Jersey breed have been owned by Mr. Drybread and used on this good herd. Included in this list of sires should be mentioned B. & C's Col., Belle's Chief, Buddy K. 4th, Red Advance, Model Top and Perfect Col. Mr. Drybread will hold his regular annual spring sales of Duroc-Jersey bred sows on March 13, when he will sell an offering of 50 head, all sired by grand champion boars. The majority of these sows are bred to Perfect Col., first at Ohio State fair, first at Indiana State fair and reserve grand champion at Illinois State fair in 1909. Sows sired by such boars as those mentioned above and bred to Perfect Col. will certainly add strength to any herd. In addition to the sows in this offering Mr. Drybread will sell Perfect Col. This will afford an excellent opportunity for breeders who want to secure a high class boar to head their herd. Don't forget the date and arrange to attend the sale. If you find it impossible to do so you may send bids to Ed. R. Dorsey, who will represent this paper, and he will handle the bids to your interest.

Stockyards For Galveston
 (Continued from Page 41.)
 Feed prices: Kafir is quoted at \$1.53@1.72 a cwt. bran \$1.13@1.15; shorts, \$1.17@1.27; corn chop, \$1.27; rye, No. 2, 61c a bushel; feed barley, 52@60c a bushel.

Kansas City Hay Quotations.

Prairie, choice	16.00@17.00
Prairie, No. 1	13.50@15.50
Timothy, choice	16.00@16.50
Timothy, No. 1	15.00@15.50
Timothy, No. 2	13.00@14.50
Clover mixed, choice	15.00@15.50
Clover, choice	14.00@14.50
Clover, No. 1	13.00@13.50
Alfalfa, fancy	17.00@17.50
Alfalfa, choice	16.00@16.50
Alfalfa, No. 1	15.00@15.50
Standard	13.50@14.50
Alfalfa, No. 2	12.00@13.00
Alfalfa, No. 3	9.50@11.50
Straw	6.00@6.50

Butter, Eggs and Poultry.
 Elgin, March 2.—Butter this week is firm at 30 cents.
 Kansas City, March 2.—Prices this week on produce are:
 Eggs—Firsts, new white wood cases included, 25c a dozen; current receipts, 24c.
 Butter—Creamery, extra, 28c a pound; firsts, 26c; seconds, 24c; packing stock, 18c.
 Live Poultry—Broilers, 13c a pound; spring chickens, 15c; hens, No. 1, 14c; culls, 8c; young roosters, 11c; young turkeys and

OVERLAND GUERNSEY FARM
THE FINEST HERD OF IMPORTED GUERNSEYS IN THE COUNTRY
 Imp. Moss Raider, a strongly bred May Rose bull and Imp. May Royal, a fine bred Golden Secret, Chief stock bulls. Cows and heifers of best imported strains. All cows tested for advanced registry.
 In order better to introduce the Guernseys in the West, we will make attractive prices on young bulls and cows and heifers, bred and open. Special inducements to new breeders in herd foundation material.
 If you wish to improve the quality and production of your milk, cream and butter, use a Guernsey sire. Unsurpassed in constitutional vigor, adaptability, and richness of product. Correspondence invited—your personal inspection preferred. Call on or address
Overland Guernsey Farm, Overland Park, Kas.
 C. F. Holmes, Owner. W. C. England, Mgr.
 Eight miles S. W. of Kansas City on Strong Line. Station on Farm



PEGGY OF OVERLAND (Trade Mark)

Lookabaugh's Shorthorns
 200 Head From Which to Select. High class herd bulls close to imported Scotch dams and sired by such sires as Lavender Lord, by Avondale—Nicely bred young heifers from milking strains—Cows with calf at foot and re-bred—in fact a great variety of prize-winning blood from which to select. Write your wants today. Visitors always welcome.
H. C. LOOKABAUGH, Watonga, Okla.



A LARGE HERD OF Fancy Grade Holstein Cows
 2 to 6 years old, all tested and guaranteed sound, good udders and good teats.
 If it costs \$50 per year to keep an average cow, she must produce at least 200 lbs. of butterfat to pay her board. If a cow produces 400 lbs. B. F. and her feed bill is \$85 she therefore makes a profit. Why not start now and build up a herd of high producing cows that will make a profit? The average cow milked in Kansas produces something like 170 lbs. B. F. per year, milks in the neighborhood of seven months per year and is a star boarder the balance of the year. Stop this waste, get good high grade Holsteins bred to milk 10% to 11 months per year and produce 400 pounds or 500 pounds butter fat. The Holstein is the cow for Kansas conditions; hardy nature, large capacity for rough feed, kind and gentle. When dry takes on weight easily. They are large, often weighing 1,700 pounds. There is no better market for the Kansas crops than the dairy route. In no other way can the present high priced feed be turned into as much profit as by the Holstein cow. A good feeder and a conscientious milker.
 Write or call.
W. G. MERRITT & SON, GREAT BEND, KAN.



FOALED AND GROWN ON THE FARM,
 offered at farmer's prices, 8 coming 2 year studs, 9 coming 3 year studs, 8 three-year-old and over studs, registered Percheron Society of America. Of the big type with substance and from French ancestry on both sides. Fast direct trains from Kansas City and St. Joe. Fred Chandler, Route 7, Chariton, Iowa.



One Hundred Head of JACKS AND JENNETS
 Home of the giants; the big, thick, big boned and big footed kind. We breed and raise most of our jacks. We handle the largest jacks and jennets on earth.
BRADLEY BROTHERS, WARRENSBURG, MISSOURI.

Special Prices for 30 Days
Do You Want a Draft Stallion?
 If so, come to Lincoln and see the best lot of big Percherons, Belgians and Shires in America. We are making special prices for 30 days and sell under a guarantee that has stood the test for fair treatment with our customers for the past 28 years. If you can't come next week, write us for full particulars.
Watson, Woods Bros., & Kelly Co., Lincoln, Neb.

JACKS! JACKS!! JACKS!!!
From Two of The Best Herds in Kansas
30 HEAD 2 to 6 years old. Nicely broken and good workers. Prices and Terms will suit you.

 Pharaoh, Grand Champion Tenn. 1910, and Kan. 1913
30 HEAD 14 to 16 hands high. Including Prize-winners. Every animal guaranteed exactly as represented.
MORE PRIZES WON AT HUTCHINSON STATE FAIR, 1913. BY THESE TWO HERDS THAN ALL OTHERS COMBINED.
 The general storm throughout the Southwest prevented all but a few buyers from attending our sale February 24. To those who wrote for catalog and all others who want good jacks, we are in position to sell you at prices and terms that will be of interest to any man who wants a good jack. Write your wants or visit our farms.
H. T. Hineman & Sons, Dighton, Kans. **D. J. Hutchins, Sterling, Kans.**

FOLDED DURHAMS

Sleepy Hollow Polled Durham Cattle

12 good bulls coming 1 year old, bred cows and heifers for sale. Also a number of good jacks. C. M. HOWARD, Hammond, Kansas.

PUREBRED HORSES

FOR SALE Worth the money. Seven registered Percheron stallions, some weighing a ton and imported. 5 Standard bred stallions. 7 Mammoth jacks. We mean business. W. G. Buffington, Gadsden, Kansas. J. M. Buffington & Sons, Oxford, Kansas.

SCHWAB'S PERCHERONS

High class stallions, 2 to 7 years old—1700 to 2,100 pounds—produced under natural conditions. Acclimated, absolutely sound and sold fully guaranteed. GEO. W. SCHWAB, CLAY CENTER, NEB.

Home-Bred Stallions

Imported stallions cheaper than any firm in Oregon. A. L. Miller Wilson, Creston, Iowa. Imported Percheron Home-bred Stallions. \$675 to \$900. Frank L. Strazza, Creston, Iowa.

PERCHERON STALLION

I am offering my Percheron Stallion at a sacrifice price on account of so many of his fillies being kept for brood mares. Will also make close prices on a few well bred Standard Bred. Address: J. E. DIFFENBAUGH, TALMAGE, KAN.

Excelsior Shetland Pony Farm

Registered and High Grade Ponies for Sale. W. E. FALCIMER, Belleville, Mo.

Imported Stallions

Percheron and Belgian, also Percheron and Belgian mares, and a few registered jacks. These horses were prize winners at Tropic, Hutchinson and American Royal, including grand champion and reserve champion at each show, winning 25 first and champion ribbons, three Gold Medals, and two Silver medals. These prize winners and others for sale and can be seen at my farm. I please N. W. of mine, 1 mile N. W. of mine, in Alma or W. of mine. Choice White Standard turkeys, toms or hens. LEW JONES, R. R. No. 1, ALMA, KANSAS.

JACKS AND JENNETS

Kentucky Jack and Percheron Farms

50 head of big bone, Kentucky Mammoth Jacks (Percheron and saddle horses). Special prices in half car and car load lots. Write your wants or visit our farms. 2000 lbs. of bluegrass seed. Cook & Brown, Prosser, Lexington, Ky.

Forty Years a Breeder of High-Class Jacks

We have for sale twenty jacks of the big blocky type, also ten very large, well bred jennets. E. M. JOHNSON, BOLIVAR, MO.

Leavenworth County Jack Farm

25 jacks and jennets for sale; good individuals and bred right. Farm located between Atchison and Leavenworth on Santa Fe. CORBON BROTHERS, POTTER, KANSAS.

JACKS

The kind all are looking for. Large boned black mammoth Tenn. and Ky. Jacks, 2 to 6 years old, guaranteed and priced to sell. All broken and prompt servers. Reference banks of Lawrence 40 miles west of Kansas City on U. P. and Santa Fe. AL. E. SMITH, Lawrence, Kan.

Jacks and Jennets

25 head of Black Jacks from 14 1/2 to 16 hands coming 5 to 6 years old; all stock guaranteed, as represented when sold. Also some good jennets. PHIL WALKER, Moline, Elk County, Kansas.

Big Black Missouri Jacks

Ten head of large, well bred, registered jacks and ten jennets. All of my own breeding. A genuine guarantee goes with each and every sale. Can furnish more if necessary. HENRY OBERMANN, Freistatt, Mo. 3 Miles N. of Monett.

50 Mammoth Jacks and Jennets

A lifetime experience in breeding the large, heavy boned, big footed, good head and eared kind that produce the good Missouri mule. Remember if you come here and are disappointed in our stock I pay your expense. Quiet Glenn Stock Farm, Route No. 2, Res. Mo.

Boen's Big Bone Jacks

They are from 15 to 16 1/2 hands high. Forty jacks and jennets of the best and biggest on earth. Four three-year-old jacks larger and better than ever before. The two-year-old jacks are larger than thousands of grown jacks. Four-year-olds 15 3/4 hands to 16 1/4 hands, standard and weigh from 1100 to 1300 pounds. All have plenty of bone. Will sell jacks for \$1000 that can't be bought elsewhere for \$1200. ED BOEN, LAWSON, MISSOURI.

turkey hens, 17c; young ducks, 16c; geese, 10c.

Produce Prices Now and One Year Ago

(Quotations on Best Stock.)

	Butter	Eggs	Hens
1914 1913	1914 1913	1914 1913	1914 1913
Chicago	39 28	27 18 1/2	15 14 1/2
Kan. City	28 24 1/2	25 18 1/2	14 15

As to Hay Commissions

The Kansas City Hay Dealers' association sent out the report after the meeting of February 12 that after March 7, 1914, the association would charge 75 cents a ton commission for selling hay instead of 50 cents. In conclusion the report says that owing to the excellent service rendered in protecting the shipper from every standpoint in marketing his hay, it has become necessary to raise the commission to cover operating expenses. Having had some experience in shipping hay, this statement naturally arouses my indignation. Will the association guarantee a 50 per cent raise in the markets as it is doing in its commission? No, it will not!

There is no shipper who is less protected than the shipper of hay. As soon as the hay is billed the shipper loses control of it and is at the mercy of the commission company. If the commission company wishes to divide with a third party or prolong payment for six weeks, what can the shipper do? You can readily see that by withholding payment the commission business will take care of itself without involving a very large capital. Perhaps for protection the shipper would say "Shipper's order" or "Sight draft." If so, nine times out of 10 if you draw nearly its real value the hay will not be accepted and you have to pay demurrage.

Now Mr. Producer and Mr. Consumer, did you ever stop to think that the middlemen are organized, and that you are not? You are both at their mercy with no protection. It is a fight for liberty and for life by the producer and consumer. And for their excellent services, as they term them, these middlemen fare sumptuously. A commission increase of 25 cents a ton of hay isn't much, only 50 per cent. If our products would raise 50 per cent in value, it would help us out and make our road considerably smoother. The thing for us to do is to organize. I. H. Marey, Madison, Kan.

Loss of Manure In Feeding

There is a great deal of manure lost every from feedlots. Too much feeding is done in Kansas on creek banks and in other places where the drainage will carry away the larger part of the available fertility. It is important that manure should be hauled out promptly, of course, but there are times when one is so busy with other work that he will allow it to collect, and then it is essential that there should be as little loss as possible.

My method of feeding is to fence out a lot in the field, so that all the fertility that goes into the soil may be saved. If the lot is high and well drained, so there will be little loss from surface water, the actual loss in fertility can be reduced by this method lower than in any other practicable way. Reading, Kan. Edwin D. Jones.

Bone Weakness in Pigs

I have two thrifty looking sows about four months old, that have slight swellings on their knees. These swellings do not seem to bother them. I also have another pig of the same litter that has had the same trouble for a week and at times cannot walk at all. Is the trouble rheumatism? Greer county, Oklahoma. T. N. C.

The trouble may be rheumatism caused by sleeping in damp beds or it may be rickets, a bone disease caused by feeding a ration that is lacking in mineral or ash. The treatment for rickets and rheumatism was given in the Mail and Breeze of January 24.

This trouble also may be caused by exclusive corn feeding. In any case it will be well to see that the pigs get a ration that contains plenty of protein and ash, materials needed in building bone and muscle. A mixture of corn and tankage with alfalfa hay or pasture makes a good feed for the growing pig. T. W.

Keeping the cold out of the stables by excluding all fresh air is endangering the health of stock. Fresh air, without cold drafts, is what is desired, though it is some trouble to secure such conditions.

125 Stallions and Mares

PERCHERONS, BELGIANS and SHIRES

The West's Largest Importing and Breeding Establishment. More actual ton stallions at my Emporia Sale Barns than any other in the West. Do you need a Stallion? I will save you from \$100 to \$200 on a horse. Am making special prices to make room for another consignment. Look at all the horses you can before coming and then you will know you are getting more for your money than any other offer—more horse size and quality for the money. I do an exclusive horse business and to stay in business must satisfy my customers. Therefore a bill-edge guarantee goes with every horse. Come and stay with us a day or two and compare my horses and prices with those you have seen. Drop a line and tell me when to meet you. Barn close to Santa Fe depot.

L. R. WILEY, Route 9, Emporia, Kan.

Robison's Percherons

175 Head on the Farm. Stallions and Mares all ages for sale. Herd headed by the Champion Casino 27830 (45462). Send for farm catalog. J. C. ROBISON, Towanda, Ks.

Bergner & Sons' German Coach Horses

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 horses that has ever been imported. The St. Louis Fair Champion Miller \$150 and the Kansas State Fair prize winner Mephisto \$125 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon. J. C. BERGNER & SONS, "Black Hawk," FRATE, KANSAS.

Imported Percheron Stallions

Each year I select 35 or 40 horses in France, so good and so correct in type, that any one of them will prove a great benefit to the man who buys him. I have a new lot now. At the Shows of the Southwest Circuit, our horses won every Championship and every Group of Five in 1913, as they have done most of the past five years. Our horses are handsome—our contract just and right—our insurance the very best. Come or write.

PERCHERON IMPORTING COMPANY, Charles R. Kirk, St. Joseph and South St. Joseph, Mo.

Blue Valley Stock Farm

Largest Importers of high-class Belgian Draft Horses in the West. Prize winners in Europe and America. Sound, acclimated and ready for service. Our American-bred stock goes back to the blood of BURN'DOB or his descendants. Lowest prices and safest guarantee of any firm in the business. Also a few extra good Percheron stallions. Come and see us, or write. W. E. Bayless & Company, Blue Mound, Linn County, Kan.

Lamer's Percheron Stallions and Mares

BUY NOW while there is the most of Variety to select from C. W. LAMER, Salina, Kansas

Johnson's Shetland Pony Farm

Write me regarding Shetland Ponies. I have for sale 40 to 50 head of fine ones, spring colts, yearlings, coming two and matured stock. Registered mares or stallions. My herd runs strong to spotted, black and white, and I have Nebraska State Fair winners. Let the children have a pony. My prices are reasonable and every pony is guaranteed as represented. Write me now while I have a fine offering of spring colts on hand. H. H. JOHNSON, CLAY CENTER, NEBRASKA.

54-Percheron Stallions-54

We have fifty-four as good Stallions as can be found in any herd from coming two year to five-year-olds. We can sell a better and bigger stallion for the money than any firm in the business. We fully guarantee every stallion. Write us what you want. BISHOP BROS., Towanda, Kansas. Towanda is 22 miles east of Wichita on Mo. P. Ry.

Oakland Stock Farm

As usual, each year, has of its own breeding, 25 or 30 jacks. This year we have 25 still on hand, having sold several to customers of previous years by mail order. Each jack has been raised on the farm. We do not engage in brokerage, being strictly breeders, and not brokers; no middle man. We have some 50 breeding jennets and two bred jacks, of the best blood obtainable. Sold at reasonable prices, cash or time. We have a good 2-year-old Percheron stud ready for light service this spring; will make a ton horse. Also a span of extra good coming 2-year-old fillies and some weanling colts. Imported Kossuth is at the head of Percheron stud. As with the jacks, nothing is guaranteed on the farm; no brokerage. Terms reasonable. Full information will be given in answer to any letter. Oakland Stock Farm, Box 207, Chillicothe, Mo.

Duroc-Jersey Bred Sows

DRAFT SALE of 40 HEAD

From

Maplewood Stock Farm Herd

Herington, Kan.

Wednesday, March 25

Sale at the Farm

The offering consists of six tried sows and 34 spring gilts. The entire offering has been carefully handled and its future usefulness is assured. The tried sows are the good, useful kind and are money makers. The 34 spring gilts are well grown and in the best possible breeding form. They were sired by **M & M Col.** (by G. M.'s Col.) **Quivera** and **U Head A Belle's Chief 2nd.** They are of good colors, best of feet and are the big smooth kind that breeders are looking for. They are bred to **I Kant Be Beat** by old **King of Kant Be Beat** the big 1,000-pound sire. Also a few of the gilts are bred to **Quivera's Best Boy.** All of the bred sows are bred to **I Kant Be Beat.** The dam of **I Kant Be Beat** was sired by **Golden Ruler**, another noted sire. Everything will be showing pig nicely and is altogether as attractive an offering as has been made this winter. **Catalogs ready to mail upon request.** Sale in big barn if stormy. Address,

W. H. MOTT, Herington, Kan.

L. R. Brady, Auctioneer; J. W. Johnson, Fieldman.

POSTPONED

On account of the severe snow storm of February 24, W. R. Webb's sale of Big Type Poland China bred sows scheduled for that date has been postponed to

**SATURDAY,
March 14, 1914**

The sale will be held at Bendena, Kans., and the same high class-lot of sows will sell. The new date favors the buyer in that practically every animal will be carrying her own guarantee—it is a great offering, one of the year's best. Mail bids may be sent to C. H. Walker, Mail and Breeze Fieldman. Write for the catalog.

W. R. Webb, Bendena, Kas.

Cols. Sparks and Scott, Auctioneers.

North & Robinson Co., Annual Sale 60 Head of Imported and Homebred Percheron, Belgian and Shire Stallions and Mares

Grand Island, Nebraska

March 19 and 20, 1914

This sale will include thirty stallions of the different breeds, ranging from one-year-old to matured ages.

Matured stallions weighing from 1,850 to 2,200 pounds. You will see more ton stallions in this sale, than in any sale of the season. They are an exceptionally good lot of draft stallions with plenty of bone, style and action. Number of two-year-olds weighing better than two thousand pounds. If you want a first-class stallion, you will not be disappointed with this sale.

Thirty head of Imported Percheron and Belgian mares, ranging in ages from one to six years old. They are an extra good lot, with weight and bone. They are the good brood mare type. Bred to a 2,200-pound stallion. This stallion will be shown on day of sale. We believe this to be the best offering we have ever sold at auction.

Stallions will be sold with the regular sixty-per-cent breeding guaranty. Mares guaranteed breeders. Everything will be sold to the highest bidder, without reserve. Sale will be held in the Bradstreet-Clemens Sale Pavilion. Catalog ready March 10th.

NORTH & ROBINSON CO.,

Col. Z. S. Branson, Auctioneer. **Grand Island, Neb.**

A Great Offering of Big Type

Poland China Bred Sows and Yearlings

From Kansas' Pioneer Herd

BENDENA, KAN.

TUESDAY, MARCH 24, 1914

55

head of tried sows, fall and spring yearlings, well grown, heavy boned, strong producers—the product of 33 years knowing how. This number includes daughters of **BIG LOOK, O. K. LAD, DEFENSIVE, BANNER HADLEY, PAWNEE GIANT, MELBOURNE JUMBO, WONDER BOY, MOORE'S HALVOR, EXALTER AND OTHERS.**

Bred for April and May litters to **TECUMSEH EX, EXALTER'S RIVAL, JUMBO CHIEF, DEFENSIVE, BIG LOOK, GRONNIGER'S VICTOR PROSPECT.**

A FEW EXTRA TOPPY FALL BOARS ALSO SELL including a great Sept. 1st pig by Big Look that weighed 236 pounds at 5 months old.

A great offering selling at a time when the feed problem is solved—bred right, right individually and from one of the West's best herds. An excellent opportunity for breeders and farmers to stock up on high class breeding material. We want every man interested to write for our catalog. Mail bids may be sent to C. H. WALKER of this paper in our care.

HERMAN GRONNIGER & SONS
Bendena, Kansas

Greatest Cream Separator Offer

The Melotte—the wonderful Melotte—the great French-Belgian Separator—the prize winner all over Europe—now shipped anywhere in the U. S.—and on the most sweeping introductory offer. The best of all separators in Europe or America—yours on this Rock-Bottom free trial offer—all the same price you would pay in Belgium. Write for special offer today.

This is positively the first bona fide, no-money-down offer ever made on any cream separator. No manufacturer of any cream separator ever dared make such a startling proposition before. All others who have ever pretended to offer you a free trial or to send their separators without any money down have taken care to get something out of you first. But we don't want anything.

The Melotte, introduced only one year ago has swept the country. And the duty is off—the superb Melotte comes in free—you get the full benefit.

Free Duty—Save \$15.25

The high tariff has been cut right off—the great Melotte comes in absolutely free of duty! You win! The American farmer can now get the world's best—the grand prize winner of all Europe—at a price \$15.25 lower than ever before. The Chicago price is the same price you would pay if you bought the machine in Belgium, plus \$1.75 for water freight.

You cannot compare any other separator to the Melotte—the latest and most improved design, construction and operation. The tariff and patent arrangements have kept it off the American market. Now it is here and to any responsible farmer on the most liberal offer ever made.

Absolutely guaranteed for 15 years.

Sent Without a Penny Down

30 Days Free Trial

Your simple word that you would like to see this wonderful imported cream separator in your own barn or dairy house brings it to you instantly. We neither ask nor want you to send us a penny. You set it up—give it a thorough test with the milk from your own cows—a free trial in every sense of the word—there is no C. O. D.—no lease or mortgage. If you decide to keep the genuine Melotte, you can keep it on easy

Monthly Payments

These monthly payments are so small that you will hardly notice them. You only pay out of your increased profits. You don't need to be without a cream separator when you can have the Melotte right in your dairy house while you are paying for it. In reality you do not pay for it at all—it pays for itself. We want to demonstrate and prove that the Melotte does pay for itself.

Valuable Book Free

Free Coupon

The
Melotte Separator
19th St. & California Ave.
Dept. 4563 Chicago, Ill., U. S. A.

Without any obligation on me send me free and prepaid your booklet, "Profitable Dairying," and your special free-tariff prices on the Imported Melotte Cream Separator. Also full details of your free trial, monthly-payment, no-money-down offer.

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



Place your name on this coupon, cut it out and mail it at once. We will send you our great free book, "Profitable Dairying" telling you everything about cows and dairying—how to feed and care for cattle—how to make more money than ever before out of your cows. This book is written by two of the best known dairy scientists in the country; Prof. B. H. Benkendorf, Wisconsin Dairy School of Agricultural College, Madison, Wis., and K. L. Hatch, Winnebago County Agricultural School, Winneconne, Wis. Does not contain a word of advertising.

We will also send our Free Catalog, describing fully the Melotte Self-Balancing Bowl Cream Separator and telling you all about the great Free-Duty offer and extremely liberal terms. Most liberal offer ever made on a cream separator.

The Melotte Separator
19th St. and California Avenue
Dept. 4563, Chicago, Ill., U. S. A.



*Imported
Direct from
Belgium*

The Melotte bowl hangs down from a single perfect bearing and spins like a top. It will continue spinning for half an hour after you stop turning crank unless you apply brake. Patented self-balancing bowl is entirely automatic. You can't get it out of balance and so perfect is the balance that it is impossible for it to vibrate and effect the skimming efficiency like other separators. The bowl chamber is made of special cast iron, porcelain lined with white enamel. The Melotte is easiest to clean, perfectly sanitary and will last a lifetime.

**For 25 Years the
World's Grand
Prize Winner**

Here are a very few of the hundreds of grand world's prizes the Melotte has won. The entire list would cover this page:

- 1888—Brussels—International Exhibition—Progressive Prize
- 1894—Medal of Higher Merit
- 1895—Vienna—First Prize
- 1897—Brussels—World Exhibition—First Prize
- 1898—London—First Prize
- 1899—Paris—Gold Medal and First Prize
- 1903—London—Gold Medal and First Prize
- 1904—St. Louis—Gold Award
- 1906—Milan—First Grand Prize
- 1907—Amsterdam—First Prize
- 1911—Brussels—Grand Prize and First Gold Medal