

# THE FARMER'S MAIL AND BREEZE

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Number 17



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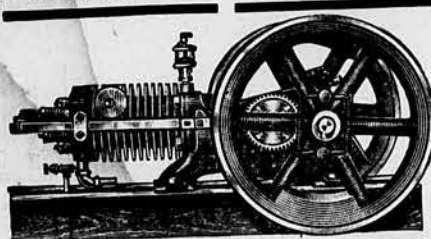
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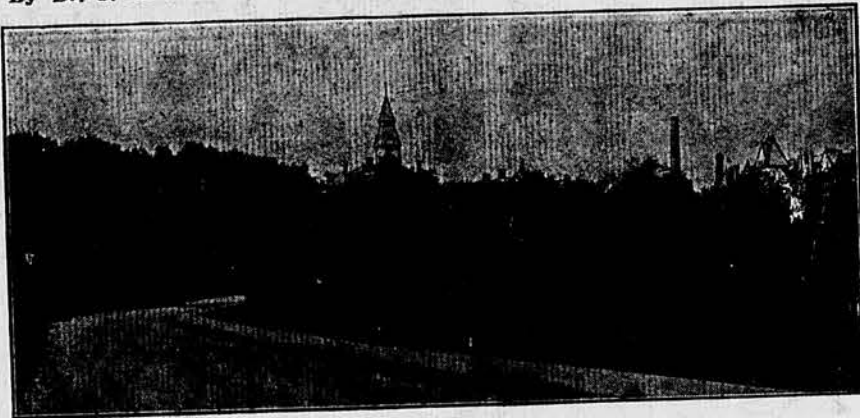
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## Its Fifty Years of Service

By Dr. J. D. Walters in Commencement Number of Kansas Industrialist.



OF THE many devices for uplifting American agriculture and the American industries none have been more effective than the agricultural college, the so-called "land grant" schools, founded by congress in 1862. These institutions have received such general recognition and have had such phenomenal growth, compared with that of the old classical universities, that today they enroll over 80,000 students, or half of all the students in the 500 or 600 higher institutions of learning of America.

Kansas may well be proud of the fact that in many respects its agricultural college, at Manhattan, stands at the very head of the 60 or more "land grant" institutions. Its enrollment this year is 2,924, and the number of instructors more than 200. The inventory reports 2 million dollars' worth of real estate and personal property and an endowment fund of more than half a million. The school has graduated to date more than 2,500 young men and young women coming from all parts of the state, and has given partial or short courses to fully 35,000. It has conducted, actually, thousands of farmers' institutes, has given instruction and expert advice concerning modern methods of farming, stock raising, horticulture, building, engineering and home economics to all who asked for it, and its professors have written stacks of bulletins and thousands of newspaper and magazine articles covering scientific subjects — articles that were eagerly read on many farms.

### Cornerstone in 1859.

The early history of the growth of the college reads almost like a romance. The institution had its origin in the Bluemont Central college, a school established in Manhattan under the control of the Methodist Episcopal church. The cornerstone of this was laid May 10, 1859, and instruction began soon after. Three years later, a bill passed the legislature establishing the State university at Manhattan, the Bluemont Central college building to be given for this purpose, but this measure was vetoed by Governor Robinson, who was a citizen of Lawrence, and wanted the institution located in his home town.

On July 2, 1862, President Lincoln signed the so-called "Morrill Act," a law donating public lands to the several states and territories which would provide colleges for the benefit of agriculture and the mechanic arts. This gave to Kansas 90,000 acres as the nucleus of an endowment fund. Because of the nature of this land endowment, the institutions founded in accordance with the Morrill Act are generally known as the "land grant" colleges. Kansas promptly accepted the gift, and February 16, 1863, the governor signed the act which permanently located the college at Manhattan; that is, at "Blue-mont college," about 1 mile west of the present site of the institution.

### The Hatch Act.

The organic act creating the agricultural colleges was subsequently augmented by four other acts which provided for extending the work of the land-grant institutions. The first of these, the so-called "Hatch Act," passed in 1887, established an experiment station at the college and appropriated \$15,000 a year for this purpose. Up to this time the expenses of making such experiments were met entirely by the college from scant appropriations made by the legislature. In 1906, a supplementary measure was passed, the so-called "Adams Act," which provided "for the more complete endowment and main-

tenance of the state experiment stations" an amount beginning with \$5,000 and increasing every year by \$2,000 over the preceding year for five years, after which it should be made \$15,000 a year.

Another act, known as the "Second Morrill Act," was passed in 1890. This provided that all state agricultural schools organized under the first "Morrill Act" should receive from government, annually, \$15,000, and that this should be increased annually by the amount of \$1,000 until the total would amount to \$25,000 a year. It contained the provision that the whole of this appropriation should be spent in agricultural and engineering instruction.

### Fort Hays Grant.

A fifth act of congress, called the "Nelson Bill," passed in 1907, increased the annual income of the several land-grant colleges to \$5,000 a year, with an increase of \$5,000 for each of the four succeeding years; that is, added \$25,000 to the appropriations of the second Morrill Act. This law contained a provision authorizing the agricultural colleges to use a portion of the federal appropriation for the special preparation of instructors for teaching agriculture and the mechanic arts. In addition to these liberal contributions, congress, in 1900, gave the college the east half, about 3,500 acres, of the old Fort Hays reservation. This is now rapidly being converted into a model experimental and demonstration farm for testing trees, grains, grasses and vegetables with regard to their fitness for the semi-arid regions of the great West.

Of the many state laws affecting the work of the college, the following may be named: An act locating the state dairy commissioner at the college, and a similar act creating a state entomological commission and making the professor of entomology an ex-officio member. A law creating a livestock registry board, consisting of the dean of agriculture, the head of the veterinary department and the professor of animal husbandry of the college. To this board is assigned the registry of pedigrees of stallions and authority to pass on such pedigrees. The suppression of tuberculosis in cattle is also delegated to the agricultural college. Another law passed in 1909 establishes a division of forestry here and provides for publishing forestry bulletins. The state has also placed the college in charge of the execution of the laws concerning the manufacture and sale of concentrated feeding stuffs, and of fertilizers. The department of chemistry of the college is by law required to make analyses of foods for the state board of health. Another important law locates the state highway commissioner at the college. These auxiliaries have made the agricultural school of Kansas a great center of systematic scientific research and a clearing house of theories pertaining to agriculture and the mechanic arts.

### Greek and Latin Then.

When the Bluemont Central college was transferred to the state, it was a small institution of the classical type, the curriculum resting upon Greek, Latin and mathematics, and the conversion into the state agricultural college involved merely a change in name. The classical studies remained until 1873, when John A. Anderson, who, during the 80s represented the Fifth district of Kansas in congress, was elected president. He built a large stone barn, a mechanical work shop and a chemical laboratory; moved the institution from its old site at Bluemont to the present

(Continued on Page 13.)

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# THE FARMERS MAIL AND BREEZE

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## WHEN FARMERS SHORTEN THE ROAD TO MARKET

**W**HEN WE farmers get hep to the value of organized effort, we will cut some ice every month in the year. Denmark is a little country smaller than the state of Kansas or the state of Nebraska. Its soil originally was poor. There is little land in Kansas or Nebraska so poor as that of Denmark was to begin with. The farmers of Denmark were burdened with all the difficulties incident to a semi-feudal system of land ownership and tenancy. They had at the beginning absolutely no community spirit in the business sense. They were serfs in all but name. The very existence of the nation depended on the farmers getting together. Because of their necessities they got together and now they furnish an object lesson to the world.



F. G. Odell

All great successes are due to co-operation. In no phase of life is this more significant than in agriculture, but men rarely combine their efforts, either in the accepted business sense or in the wider sense of co-operation until pressure forces them to it. Get that into your consciousness. It is worth remembering.

The farmers of Denmark got together. Like all co-operators, they began in a small way with the local community. While they achieved some local success they soon discovered it was a long road to the market and that there were many men between them and the consumer, all exacting a profit in the handling of their products. They saw that great success depended on getting together in a national sense.

The farmers of Denmark now are among the most prosperous in the world. Also are among the most progressive. They ship their butter to England, sell it through their own stores, under a guaranteed brand, and control the English butter market. The fertility stays on the land and the soil is increasing in productive power.

Then they got into the bacon business. Englishmen are strong for English products. There is no race of men who are so strong in their pride of race as the English. They have been specialists in the swine game since Gurth the swineherd had his argument with Wamba the jester in the days of Richard, Cœur de Lion. It took a powerful object lesson to break the English prejudice for English pork but Denmark did it by appealing to the English appetite.

Danish bacon is not cheaper than English bacon. On the contrary, it brings a higher price in the English market than the British product. Why?

The Danes did a little specializing for themselves through their co-operative system of production and selling. They put the finest bacon in the world on the London market in quality which is always uniform, cured to suit Johnny Bull and sold by the organization of the producers directly to the consumer. They overcame British prejudice and won. Now they control the bacon trade of England as they control the butter trade. Incidentally, they have brought about a revolution in English farming and

### Some Observations on Co-operation Near Home and Elsewhere

Written For Farmers Mail and Breeze;

BY FRANK G. ODELL

Secretary Nebraska Rural Life Commission

Hodge, the English farmer, is selling his whole milk to the city customer by parcel post instead of selling butter against the invincible competition of the Danes. That means another type of dairy cattle on English farms.

Hodge no longer raises bacon hogs as he once did. He grows a special type of swine and sells young pigs for roasting to the city market. These changes in type of livestock on English farms have made necessary a radical change in general agricultural practice in Britain. All of which goes to prove that co-operation is far reaching—farther than the local community; farther even than the country in which it originates. Its influence extends to the ultimate market and affects the policies and the prosperity of farmer competitors, wherever they may be.

And now for the lesson which I read in the agricultural history of the Danes: Recently I spent a most profitable day at the convention of the farmer grain dealers of Kansas at Larned. About 100 representatives of farmers' elevators were present in the first annual convention of that body. It struck me as somewhat odd that in so progressive a state as Kansas they should have arrived at the first annual co-operative convention only in the year of grace, 1913.

There are about 180 farmers' elevators in Kansas and they have their own troubles. They have to fight with the powerful combination of "line elevators" which for years has controlled the grain trade. They have to scrap with the railroads for elevator sites, side tracks and for cars. They have to deal with commission men at the terminals who are not always as scrupulous as they should be. They have to watch inspections, shortages, mixing of grain at the terminal and a score of other devious practices, all of which makes it a man's-size job to be the manager of a farmers' elevator.

But they are winning. I discovered one striking illustration. A farmers' elevator, organized in Kansas six years ago with \$10,000 capital, has paid 300 per cent in dividends in five years. It has more than 100 per cent surplus now on hand, from which it is declaring a stock dividend of 100 per cent to the original stockholders, doubling their original investment. That's about 80 per cent a year. Pretty good testimony for the co-operative movement, don't you think?

But the odd thing about the Kansas situation is that there are only 30 of the farmers' elevators in the state association out of the 180 in the state. And I wondered why these sensible men who had seen the advantage of getting together in their own communities cannot see the advantage of getting together all over the state for their mutual benefit.

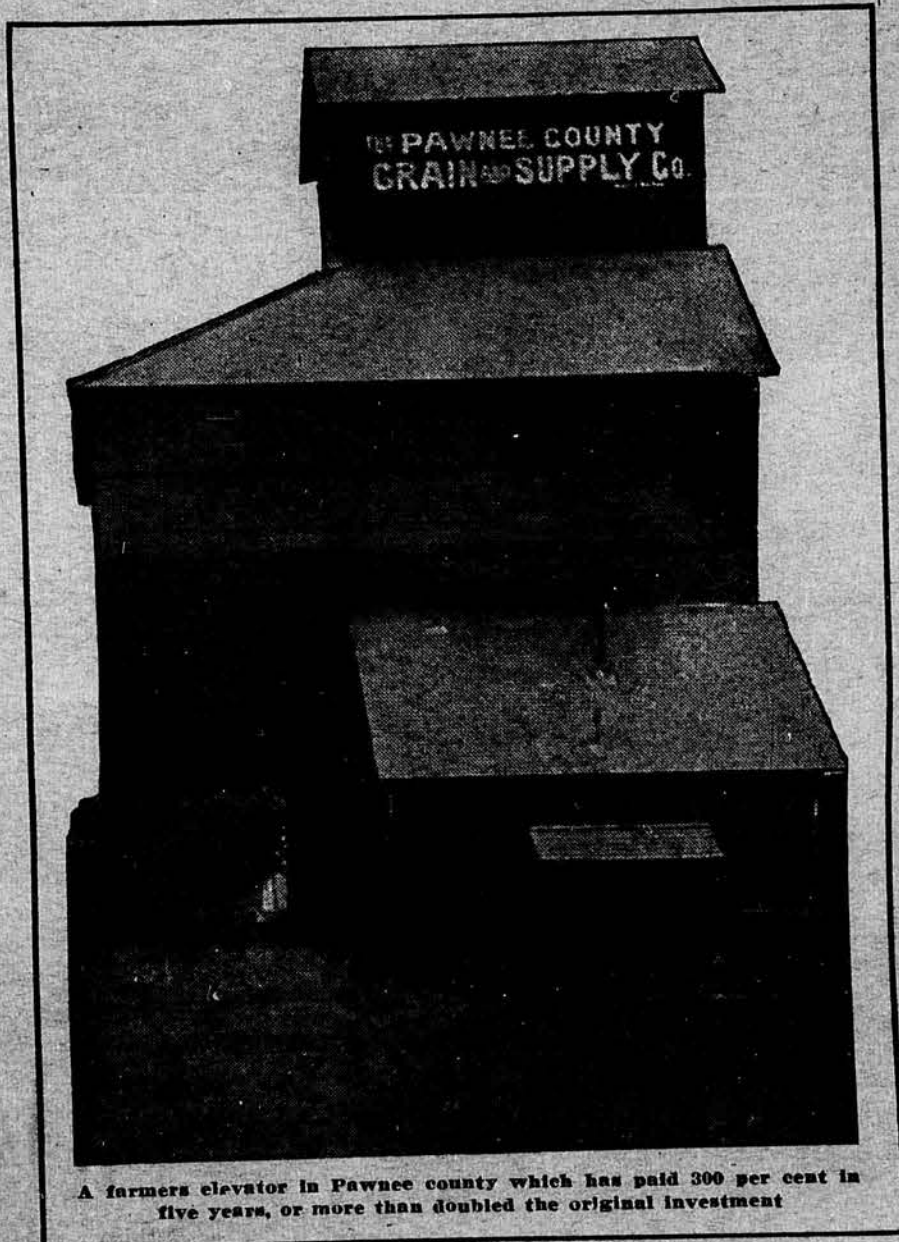
The same situation, relatively, prevails throughout grain growing territory. In Nebraska about one-half of the co-operative elevators are members of the state association, though that organization has been demonstrating its benefits to farmers for 20 years. And for this, as for all evidences of human imperfection, there is a reason; I discovered some of the reasons at Larned:

A farmer is just like any other man. He is chockful of prejudice. He ought to get some of it out of his system. You must have some measure of faith in men, to succeed. There are other men in your neighborhood who are just as honest and just as intelligent as you. Get together and talk it over a little.

I discovered at Larned that some of the farmers' elevators in Kansas have men on their boards of directors who are tight-wads. They are not willing to pay enough salary to the manager of the elevator to get a competent man. Some of them want to butt into the manager's job occasionally and run things themselves. A manager who is not big enough to run your elevator is not the manager you want. And a director who is not big enough around the hatband to see this truth is not a good man to have on the board of directors. Such a man would not last 30 minutes on the directorate of a bank or a railroad.

I learned also that a lot of the local elevator associations are staying out

(Continued on Page 15.)



A farmers elevator in Pawnee county which has paid 300 per cent in five years, or more than doubled the original investment



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## PASSING COMMENT

by T. A. McNeal

### ONE HUNDRED AND THIRTY-SEVEN YEARS.

It was 137 years ago yesterday that a number of men gathered in the then new and frontier city of Philadelphia and formulated a declaration of independence.

It is generally conceded these men showed a great deal of nerve in making that declaration, and so they did, but it must not be supposed they were engaging in an altogether desperate enterprise or forlorn hope. Most of them were practical men of affairs, hard-headed New Englanders in good part. Some of them successful traders who had gathered comfortable fortunes from commerce as it existed then. No one of them would rank as a very wealthy man according to present standards, but wealth is comparative and according to the standards of their day several of them were wealthy men.

There were in addition to the New England traders and professional men, some of the type of Ben Franklin from the then frontier colony of Pennsylvania, and well-to-do planters from Virginia and the Carolinas.

It was no hair-brained lot of dare-devil adventurers that gathered at Philadelphia 137 years ago. They had been discussing the question of cutting loose from the mother country for years. They had carefully counted the risk and the cost, and the chances were decidedly in their favor, if all the colonies could be induced to act with energy and in perfect harmony. It is a mistake to suppose that the colonists were a poverty-stricken lot. They were a thrifty and industrious people and they had been growing and accumulating for 150 years. That is something a good many people do not remember; that the colonies had been established for a longer period before the Revolution than the United States have existed since the Revolution and at the time the Declaration was adopted the combined wealth of the colonies was great, according to the standards of that time. The young men were hardy and inured to danger. Most of them had had considerable experience in handling such firearms as existed at that time. The colonies, united and working in harmony, could have put into the field an army of 400,000 men. Or, if they had put as many men in the field in proportion to the population as the little kingdom of Montenegro recently put in the field, the Continental army would have numbered 600,000. Such an army would have been invincible against any army the English government could have sent across the Atlantic. In those days it took a sailing vessel from two to three months to cross the Atlantic and the vessels were small as compared with modern vessels. So on the face of it the colonists had the best of it. The English government in addition to having to transport all her troops and supplies across 3,000 miles of ocean had plenty of trouble threatening at home.

But the colonies were very far from being united. There was jealousy between them. Each colony was

afraid that the neighboring colony would get some advantage over it. They formed a colonial congress, but there was no unity of opinion or acknowledgment of a central authority. As a result the new government was weak and ineffective. While the members of the Continental congress were quarreling and bickering among themselves Washington's troops were starving and freezing at Valley Forge.

If these members of the Continental congress had shown the same good sense and far sightedness in the management of public affairs that they had shown in the management of their private business the war of the Revolution would have been over within two years instead of dragging along for eight. There would have been no occasion to call on France for help and the consequent complications that nearly brought on a war with France afterward would have been avoided.

Not only were the different colonies not in harmony with each other but there were a great many of the inhabitants of the colonies who were not in sympathy at all with the movement for independence. They were the Tories of that day. It is customary for Fourth of July orators to refer to the Tories as infamous traitors, but looking back over the history of that time it seems to me the Tories were entitled to a good deal of respect and consideration. From the manner in which the colonies were quarreling with each other there was little reason to suppose there could ever be established a united and effective government. To the Tory it looked as if even should the colonies win they would immediately split up into separate, weak and warring governments, each one insisting on being entirely independent of all the rest. There was nothing particularly inviting in the prospect of such a government. It seemed to the Tories a good deal better to be a part of the established government of Great Britain, with freedom to manage their local affairs, than to be split up into 13 weak, independent states, without credit or strength at home and unable to command respect abroad.

My notion is that it took fully as much courage to be an outspoken Tory in that day as it did to whoop it up for the Revolution. Furthermore I have no doubt that many of these Tories were high minded and honest gentlemen.

### IF THE REVOLUTION HAD FAILED?

If the revolution had failed the Tories would have been considered the genuine patriots and the revolutionists would have been spoken of as rebels and insurrectionists. A large number of them would have been hanged and history would not have given them places of honor. It makes a sight of difference in a case of that kind whether the movers win or lose. If they win they are peerless statesmen and brave and self-sacrificing patriots who risked their lives in a noble cause. If they fail they are either hanged or shot, or used to be, and if mentioned in history at all they are mentioned as the men who organized a foolish and hopeless rebellion and got it in the neck for their pains.

It may be useless and unwise after all these years to break any cherished idols. May be it would be as well to teach the children of this generation that the men in charge of things during the war of the Revolution were all wise, self-sacrificing and unselfish patriots. Some of them were. If they had not been the Revolution would have been a failure, but a great many of them were not. The Continental congress was perhaps the most inefficient and in some respects one of the most contemptible legislative bodies that ever convened. The way it neglected the soldiers in the field; the manner in which it snubbed Washington and nagged him nearly to the point of throwing up his command entirely, makes an American blush with shame even after the lapse of 137 years.

But after all the shortcomings of the Continental congress, its utter lack of ability to formulate a financial policy that would supply the needs of the army; its almost childish bickering over trivial matters while the soldiers were going unpaid, unclothed and unfed, are now not matters of vital concern. The new government was somehow established in spite of the inefficiency and imbecility of the Continental congress and became the most powerful and wealthy government on the face of the earth. That is, we insist we are the most powerful and know that in the aggregate we have more wealth than the people of any other nation. But the question that chiefly concerns us is, have we made good in the higher sense of the word. Have we demonstrated beyond a doubt that popular government is a success?

Are the citizens of this republic growing more capable of self-government or are they not? Is the spirit of equality and fair play growing stronger or is it growing weaker?

Is patriotism on the wane or is it as strong in the hearts of the citizens of this republic as ever? Is there more of selfishness and greed, more determination to get money no matter how, less conscience and more guile than formerly, or is there less?

It isn't the easiest thing in the world to answer these questions offhand. Sometimes the altruist gets discouraged. He sees so many evidences of selfishness and meets so much cynical indifference that he is nearly ready to say there is no improvement and that instead of growing better the world

is growing worse, and in such moments of depression he is ready to despair of the future of the Republic.

### COMPARE THE HISTORY OF THE TWO TIMES.

Right here it is well to go back over the history of the beginning of our government to which I have referred. If our modern day statesmen do not measure up to the standard to which they should measure, at least it must be said, they rank favorably with the members of the Continental congress. If we feel at times as if selfish property interests exercise too much power in legislation, we must remember that no later day property interest actually dominates congress as did the slavery property interest for half a century. If we think that the standard of morals and personal conduct among members of congress is not what it ought to be, we can at least find some satisfaction in reading the history of congress of half a century or more ago as told in the private diary of eye witnesses. In that time drunkenness and debauchery among congressmen was notorious. It was common for members of either house to appear on the floor reeling drunk, while the immorality of congressmen outside the walls of the capitol was so common as to excite no remark. Political caucusses were held in the rooms of a notorious gambling house and the click of poker chips and whir of roulette wheels mingled with the deliberations of statesmen.

If it is said that corporations exercise too much influence in legislative halls and the control of municipal affairs, it must be remembered there has not been in recent years any such shameful attempts to buy members of congress as were made in the Credit Mobilier, or other similar cases of the past. If there is corruption in the government of cities now, at least it can be said that even Tammany is nowhere near so shamelessly venal as in the days of Boss Tweed. If we say that corporations, railroads and others are permitted to water their stocks, it may be said on the other hand that nothing like the system of stock looting has been known in recent years as was carried on back in the early 70's by Jay Gould and Jim Fisk. If it is said that there is a great deal of legislative corruption still, it can be said that not in recent years has there been a common practice of buying and selling of members of legislatures as was the case a generation ago.

### AN OUTLOOK FAR FROM HOPELESS.

The outlook is far from hopeless. Corruption and selfishness and evil abound. Men still sell their honor and women their virtue. Discriminations exist that give advantages and special privileges to the few and increase the burdens of the many, but on the whole the fight against special privilege and corruption grows stronger and the people are learning from experience. It is a slow and expensive course of education, but it is the only way in which people can learn how to govern themselves.

It is a good thing on this the 137th anniversary of the signing of the Declaration of Independence for all the people to take stock, to make an examination of the books, as far as they have the opportunity, and try to find out what progress they are making individually and collectively and what course they ought to pursue in the future.

This American government of ours is the biggest concern of its kind in the world. In fact there is no other government that is in the same class or kind with it. There is no other government in which the people can come as near getting what they want as here, provided a majority of them really determine what they do want and then go after it.

### THE PROPER FUNCTIONS OF GOVERNMENT.

What are the proper functions of government? That is an old question on the answer to which the majority of the citizens have never yet been able to agree. Opinions range from the one extreme, the man who believes the sole function of government is to preserve order, to keep the peace and abstain entirely from any interference with what is called business; to the other extreme, held by the man who believes that the government should take over and operate all kinds of business and become the sole employer of labor.

Between these two extremes are various shades of opinion, from the opinion that the government should take a large part in the operation of what used to be considered private business, to the one that the government must take some hand in the management of business, but the government interference in business matters should be as limited as possible.

While I personally believe in the enlargement of the powers of government and taking over the management of such things as in their nature must become monopolies, I recognize the force of the objections to government ownership. If positions in the public service are to be given out simply as political rewards and not on account of the fitness of the one appointed to perform the best kind of service, public ownership will never be a success. The man who has fitted himself for doing some particular kind of work is usually entirely unskilled in politics. He loves the work for which he is especially fitted but knows little or nothing about the arts of the political wire-puller. He probably goes to the election and votes, but he is not the sort of man who looks after nominations or who sees that the boys get out



and voter straight. Consequently when the pie is to be distributed he is not considered. If his name should be mentioned the ward heeler will ask with scorn when and where that man ever rendered any service to the party that entitles him to a place.

The machine politician looks on public office as a private snap or a large bundle of private snaps to be distributed to the faithful political workers and every man appointed is expected to remain a true and faithful servant to the political power or party that gave him the place.

In a government run on that theory I will freely admit that government ownership of many industries might become filled with danger to the rights and property of the people. Take for instance the railroads of the country. They employ in various capacities, great and small, millions of people. If all these places were filled by political appointment under the baneful spoils system, the party in power could build up a political machine that would be almost invincible, held together entirely by the cohesion of plunder. Therefore a first requisite to successful government ownership of public service concerns must be a recognition of the principle that employees shall be selected without any reference to their party affiliations but solely with reference to their fitness to do the work required.

#### THE GOVERNMENT MORE BUSINESS-LIKE.

An encouraging fact in connection with the business of government is that the greatest business managed by the government is getting more and more out of party politics. There was a time no man could get an appointment in the postal service, no matter how insignificant, unless he belonged to the political party in power. When there was a change of parties at Washington, out would go the whole force, postmasters, postal clerks, railway mail clerks and carriers, and their places would be filled by partisans from the other party. At this time a large majority of employees in the postal service are not dependent on political parties for their place. They are protected by the civil service and as a result the postoffice department is an efficient organization and is getting more so.

It would be entirely safe for the government to take over the railroads of the country and run them if the roads were manned in the same way most of the postal positions are filled, on the ground of efficiency and merit, not on the ground of political favor.

The government may be made a mighty instrument for the good of men, or it may become a tremendous burden and drag on progress. The government of the United States can, if its enormous power is used honestly and efficiently, accomplish things for the material betterment of all the citizens that can never be attained by private enterprise. As a private enterprise, the Panama canal would not have been completed in a thousand years perhaps, or if it ever had been completed, would have been finished at a tremendous loss of human life. The wonderful power of the government of the United States, skilfully and energetically directed at Panama, has been an eye-opener to the world. It has made a region once the most unhealthy in the world, perhaps, one of the most healthful. It has overcome difficulties in the way of construction that would have put any private contractor out of business.

All there is to this is that the government represents the united power of 90 million energetic and capable people and that force, honestly and efficiently directed, will accomplish anything within the range of human power. As the government belongs to the whole people that mighty power should be used for the benefit of the whole people. When it is so used, it is an incalculable blessing, but when the power is used for the benefit of a few to the detriment of the many it becomes a curse.

#### A GOOD OMEN OF THE FUTURE.

It is my belief that on this Fourth of July there are more people in this country who realize to a considerable extent the vast possibilities for good or evil in their government, than ever before. There are more of them who are studying the problems of government than ever before, which is a good omen.

If this tremendous power is wisely used within a few years, comparatively speaking, the people of the United States will enjoy a prosperity and comforts enjoyed by no other people on the face of the globe. There will be no such waste of material as now. There will be little if any poverty and no poverty at all among the people who are willing to do their share of the work of the world. There will be good roads from ocean to ocean and from lakes to gulf. Water powers will be developed everywhere. Destructive floods will be things of the ignorant and inefficient past. Farming will become a scientific profession and the average production of our soil will be quadruple what it is now. Labor troubles will cease and industry will be uninterrupted. Armies will be disbanded and navies dismantled. The useless expense of military purposes will be almost entirely eliminated and the hundreds of millions annually wasted by each of the great nations of the earth in preparations to go out and fight their neighbors, will be diverted into other channels that will bring comfort to the whole people.

Fortunate, I believe, is the man or woman child born into the world on this Fourth of July and more fortunate still will be the one born 10 or 20 years from now. If permitted to live out the natural expectancy of life his eyes will be permitted, as I

believe, to see the glory of the age that is to be. An age when the ethical shall supersede the sordid and selfish doctrine that has so long prevailed among the sons of men.

#### LAY OFF YOUR GUNS, GENTLEMEN.

It has been declared necessary to equip vast armies and build vast navies in order to preserve the peace and while the great nations are straining every resource in order to arm more regiments, cast more cannon, make more guns and build more war ships, the peace loving citizens of the world are shocked by the succession of three bloody wars. Evidently to go armed to the teeth is a poor way to get peace. The only way to get a world peace is for the leading nations to lay off their guns.

There used to be a wild town out in western Kansas which had a marshal who was possessed of great courage and sense. Every once in awhile a bunch of cowboys would ride into town, each one carrying his private artillery. The marshal would go to them quietly but firmly with this command, "Lay off your guns, gentlemen. You can have them when you leave town but not now."

Sometimes a herder would object. He wanted to carry a gun, not because he was hunting for trouble, but because he wanted to be in shape to defend himself if necessary. "If you all lay off your guns," the marshal replied, "you won't have any any possible occasion to defend yourself."

If the men had been permitted to pack their six shooters around there would almost certainly have been shooting and probably killing.

If the nations will lay off their guns there will be peace, permanent peace and not till then. If there were no standing armies and vast navies, there would be no trouble at all in arbitrating any difficulties that might arise between the citizens of different countries. As long as the nations continue to pack their guns and continually add to their arsenals international arbitration will be considerable of a farce.

#### IT LOOKS GOOD IN KANSAS.

I am not prepared to speak for conditions in all parts of Kansas this season for I have only visited a limited portion of the state. I have just returned from a trip through a part of Jefferson county, across Jackson county, Nemaha, Marshall, Cloud, Riley and Potawatomie counties. If the rest of the state can show up with those counties, then Kansas has a perfect right to whoop'er up and proclaim her greatness from the housetops. The country I traveled through is just now as beautiful as ever delighted the eye of an artist, or tempted the farmer from another state to hurry out here with his coin. Unless appearances are mighty deceitful there are some fields of wheat in these counties that will yield 40 bushels per acre and the general average for all the wheat fields we passed through will probably exceed 20 bushels.

The corn is short but well set and vigorous. Of course it must have rain next month, but then it will get it. The wheat is nearly all in shock and in some fields the shocks are so thick that the shockers had some trouble in getting between them. One farmer told me that it was necessary to haul off a good deal of the wheat from some of the fields in order to get room to shock the rest. I have a sneaking suspicion that this innocent appearing agriculturist deliberately lied to me about that crop, but then I do not know. It sounded to me like a blamed lie, but far be it from me to charge a man with being a prevaricator when I have not the direct evidence to prove it. But what a picture it is to see fields set thick with shocks of wheat, and between the golden fields were the fields of corn.

The man who would not be entranced by such a sight has no sense of beauty in his soul and is fit for spoils and treason. The man who will come to Kansas now, go through that part of the state I traveled through last week, and not declare that it furnished the most restful and beautiful rural picture he has ever seen is a hopeless neurotic, a confirmed dyspeptic, and in addition to chronic indigestion is threatened with brain fag and imbecility.

And the people out there are feeling hunky dory. Nearly every town of 500 and over is preparing to have a Chautauqua. Franklin will have one, Marysville will have one and Barnes, which has about half the population of either, will have a Chautauqua that will rank with either. A citizen who had been irrigating the wheat field with the sweat of his face told me with great pride and satisfaction that the Chautauqua at Barnes would be just as nifty as any of them. This indicates in a way the kind of people that live out there. They are not sitting around whittling store boxes and spitting at cracks. They are taking an interest in such things as Chautauquas. That furnishes a measure of the people. It is a great thing to have fine crops. It is still better to have fine crops and a fine grade of people. That is what you find this season in Jackson, Jefferson, Nemaha, Cloud, Riley and Potawatomie counties.

COXEY. Everybody who has lived in the United States for 30 years remembers Coxe and his army that marched and rode to Washington 20 years ago. Most of the men who marched with that disordered aggregation had no clear conception of why they were going. With a good many it was a continuous holiday. They were tramps anyway and this made the profession of the hobo comparatively easy and respectable. Instead of being chased by dogs and policemen the tramp in the Coxe army

discovered that he was allowed to ride on freight cars without much objection for the reason that it was easier to let the crowd ride than to get force enough to drive it away. He suddenly found himself something of a hero, a crusader asking for work and bread, although work was one of the last things he really did want.

There were of course many honest workmen out of jobs in those days who joined the Coxe army out of desperation because they could not get jobs, but they were the minority. However, I have always believed that Coxe, the leader, had an honest purpose. He wanted to give the country an object lesson. Possibly the movement rather got away from him, but in the main he accomplished what he started out to do; that is he did give the country an object lesson. Coxe is not a hobo and never was. He was a fairly well to do business man before he organized the Coxe army. He had opportunities to make money out of the thing he had started, but refused to take advantage of his opportunity which indicated that he was honest and sincere whether he was practical or not. It is said that he lost a good deal of the fortune he had accumulated before he organized his tramp army, but since then has prospered again and is better fixed financially than ever. And he is still contending for the same thing he advocated in 1893. He insists that the government should establish a system of public works, principally the building of government roads. This is the Coxe plan:

"For 50 years," says Mr. Coxe, "there has been and still remains in circulation 349 millions of legal tender money that cost the government simply the expense of engraving, printing, distributing and bookkeeping. Then,

"Why should not the federal government further extend this privilege to itself?

"Why not issue full legal tender money, at cost for improvements, utilities, public buildings, highways and necessities, instead of interest-bearing bonds?

"Why not furnish to states, counties, municipalities, villages, and townships money at cost, through a system of non-interest bonds? Such bonds being deposited with the government as security; such money to be redeemed and canceled, and such bonds retired at the rate of 4 per cent per annum?

"Why not loan directly to all the people on first mortgage security at 6 per cent a year—4 per cent of this to be applied upon the principal annually, and 1/2 of 1 per cent in payment of expenses and insurance of property pledged, and 1 1/2 per cent to furnish a federal revenue? Such payments of 6 per cent or the whole of such principal, payable in full or in part semi-annually or annually, on or before 25 years. Such loans to be made upon real, personal or chattel property at its tax duplicate valuation, through a system of federal banks of deposit and loans, in each municipality, town and village or postoffice, and thus abolish the tariff?"

#### A New Independence Coming

There is a deep-rooted feeling among the rank and file of business men, as well as among farmers and the industrial classes, that business, as now conducted, was organized for the big interests, for those who are at the top; that it is intended to shut out the weaker ones struggling upward, to blight new enterprises, and to prevent the development of competition which would interfere with the great monopolies and combines.

There is new evidence every day that the little fellow with only limited capital is finding it more difficult to compete with the big fellow. The powerful corporations and the great financiers are dominating far too much the industrial and economic life of the country. Lines of endeavor have narrowed; individuals now engaging in industrial enterprises do not win or lose on their merits, but must let themselves be absorbed by the big combinations or be squeezed out. To a great extent, it is because the laws of this country do not prevent the strong from crushing the weak.

The struggle at this time for a greater democracy is mainly a struggle against the abuses of authority. Oppression is always Privilege, buttressed by laws of one kind or another. Progress has been less and less toward the enactment of legislation to promote popular welfare and more and more toward the repeal and modification of legislation which sacrifices the many to the advantage of the few.

But reforms are coming just as sure as tomorrow's sunrise. No one can say just how they will come or just what form they will take, but the injustice of industrialism, the tyranny of capitalists, and other great evils of which we now complain, will be wiped out in the next few years. The wire-pullers and politicians, who always have been in league with the privileged interests and have had too much to do in making our laws and managing the people's business, will be made to see the light or be retired to obscurity. The political revolution now upon us is a revolution for the betterment of the masses, for the reign of the people and the welfare of the nation.

An era of higher ideals, an era of equal opportunity and exact justice, is drawing near. We should not expect that all at once the world will be made perfect, but with good men and good women everywhere determined to find solutions for our problems, we may be certain that better things are coming.

*Arthur Capper*



# Ways=Means=Results

Worked Out by Mail and Breeze Readers

## This Keeps Shoulders Sound

Mr. Editor—To keep the horses' shoulders from getting sore I wash them every night with salt water and keep the mane from under the collar while at work. I have noticed that most farmers curry in the morning if at all. I put in 15 or 20 minutes at night and little or no time in the morning.

Ord, Neb.

H. H. C.

## Late Cultivation For Corn

Mr. Editor—I use a six-shovel cultivator on my corn up to laying-by time. The last time through I put one 3 by 9-inch surface blade on the inside of each gang in place of the bull tongue shovels. These kill the weeds and insure shallow cultivation near the plant. After laying by if the weeds are bad or if a heavy rain packs the soil I take my one-horse garden cultivator. In place of the three rear shovels I put on three blades made of strap iron—old wagon or buggy tires will do— $\frac{1}{4}$  inch thick,  $1\frac{1}{2}$  inches wide and 14 inches long. I grind the edge of these strap irons sharp and run them about an inch below the surface. The slant in the blades raises the top soil up, and dropping it again leaves a soil mulch.

I go through my corn this way one to three times, depending on the weather. It kills most of the weeds and puts the soil in a better condition to hold the moisture, thus increasing the yield. In the dry year of 1911 I worked part of my corn this way and part with a four-shovel plow, and the late surface work increased the yield several bushels an acre.

Warrensburg, Mo. C. E. Perry.

## Hot Weather Comfort For Hogs

Mr. Editor—I have read so many helpful suggestions in the Mail and Breeze I should like to add my experience in keeping hogs comfortable in summer. I have five rows of mulberry trees on the north side of my hog lot, the trees being about 2 feet apart and the rows 5 feet. The trees now are from 8 to 10 feet high and have made a thick growth. The hogs make good use of this shade in hot weather and besides I have a wallow for them with water pumped to it from the windmill. Lice bother them very little and I believe it is on account of their wallowing in the mud and water. For early hog pasture I sow rye in the fall. This provides plenty of grazing until about harvest time. For summer pasture I sow rye in May which furnishes plenty of summer feed if the season does not get too hot and dry it up.

Haven, Kan.

A. F. Miller.

## Alfalfa in Millet Stubble

Mr. Editor—To get a first-class stand of alfalfa put the ground in good condition and seed to millet. When the millet is tall enough to cut and before the straw lodges, mow it, leaving stubble high enough to furnish protection against frost and to hold the snow during the winter. Seed the alfalfa with a wheat drill in this millet stubble. Do not disturb the ground after seeding.

Millet is a splendid natural pulverizer of the soil, and when it is handled in this way it gives the alfalfa an opportunity to root down deeply and also gives it the protection it needs through the winter.

G. W. McHenry.

Douglas county, Nebraska.

## History of a Good Wheat Crop

Mr. Editor—Here land has been farmed in the "Wade and Butcher" way so long that many farmers have given up wheat raising. Land that was farmed well last year turned out a good wheat crop while wheat that was poorly put in was not far from a failure.

Last year, early in July, I began work on my wheat ground by disking the stubble with a double action disk, using 6 horses abreast. This cut the surface up fine and later in the month we had fine rains which thoroughly soaked the ground and the shattered

wheat and some weeds sprouted. Then we started the gang plows, using 5 horses on one and 6 on the second with a harrow attached, covering the width of both plows. Before seeding I cross-harrowed once and just ahead of the drill I used a heavy roller which packed the ground and fined the clods, making the surface firm but not hard. I began drilling September 15, sowing 3 pecks of graded seed per acre. The result is a fine crop of wheat this year.

Thomas, Okla.

Henry Willert.

## Down With a Threshing Engine

Mr. Editor—Incidents such as I am about to relate doubtless are not uncommon in your state, Kansas, though they may not turn out as lucky as this one. Bert Harrison jumped when his threshing engine went into Baugh branch west of Winterset, Ia. He hit the bottom of the creek 12 feet below and made another jump. A half second later his heavy traction engine fell, upside down, striking the very spot where Harrison had landed when his first jump was made. Harrison's leg was dislocated at the knee when he made his jump over the railing of the bridge, after he felt the engine going and heard the timber crack. It was then his engineer showed his pluck in case dry weather sets in, but the greatest benefit comes from the loose surface soil which is turned down in the bottom of the furrow slice. This makes a better connection to bring the

as a general rule it was taken by weeds before it could get a start. Cornstalk ground is generally counted extra good for winter wheat, but it has this disadvantage: It is evaporating moisture from about July 4 on, while summer-plowed land has only from August till mid-September to lose moisture. Those who summer-plow keep their corn stalks for oats.

Last year summer-plowed stubble made 8 to 15 bushels of wheat an acre, while in cornstalks the crop averaged close to 7 bushels an acre. Except in years when the wheat ground is to go back to oats or corn, the land is disked and harrowed down almost following the harvester. There is a two-fold advantage in this—saving moisture and killing thistles. The principal reason why farmers here do not plow is that they are trying to do too much. Even now land is lying idle in this section because many of us lost out on cornstalks or disked wheat this spring and haven't the time or price to tend the ground.

McCook, Neb.

C. Bolles.

## Benefits of Disking Stubble

Mr. Editor—As to disking land before or after plowing for wheat, I believe the best results are usually obtained by disking before plowing. But there are exceptions to all general rules here in western Kansas. Disking before plowing will retain the moisture better, and I can plow longer on disked land in case dry weather sets in, but the greatest benefit comes from the loose surface soil which is turned down in the bottom of the furrow slice. This makes a better connection to bring the



This mishap to a threshing crew is a forcible argument for better inspection of bridges as well as better bridges. Though it happened in Iowa and is described elsewhere by an Iowa reader of the Mail and Breeze, we have accidents of this kind every threshing season in Kansas and if nobody is killed we are lucky.

ineer crawled under the engine itself, opened the escape valve, and saved the engine. (See photo elsewhere on this page.)

Harrison was going west with his threshing outfit. When he reached the county bridge over Baugh branch, Middle river's largest tributary in Madison county, he planked it and started across. The separator was getting fairly on the bridge when the timbers gave way and the engine went into the stream. It turned completely over and is a wreck. The separator went over too but not into the creek. The bridge, a 24 foot span, was built in 1902. Its timbers had rotted. The accident will cost Madison county heavy damages.

Winterset, Ia. Leon L. Sumner.

## Summer Plowed Wheat Best

Mr. Editor—This season has brought out the full value of summer plowing for winter wheat. Those who plow for wheat aim to have the ground plowed at least once every three or four years. They rotate wheat, oats and corn—the corn commonly yielding fodder only, but the land is free from weeds because of being worked. These farmers plow after the first rain following harvest. Last season some plowed August 15 with good results.

The general plan is to plow about 4 inches deep and harrow at once, then if another rain comes harrow again. Last fall in spite of the long drouth, August-plowed ground harrowed and packed, brought up the grain, while wheat put in the stalks, or on ground merely disked in the fall, lay until spring. Then

on will work, regardless of the depth of well, if the outlet is lower than the intake. My plan would be to have both ends plugged up and a T-joint at the highest point. Fill the pipe with water and screw in the plug. To operate the siphon part remove plug from end in well, then remove plug at lower end outside. If all joints are air tight the water should run. Then, by having a faucet at lower end of pipe, controlled by a float, in tank, you should have a good water system as long as the water does not get too low in the well.

H. E. Trekel.

Wellington, Kan.

A siphon should work if the well is less than 30 feet deep and the outlet is lower than the intake. But when the water must be raised 30 feet or more, no matter how low the outlet, it won't work. The why of it, is that the pressure of the atmosphere is sufficient to raise water about 30 feet in a tube or pipe, entirely free of air, but it will go no further. Try it.—Ed.

## Wheat by Summer Fallowing

Mr. Editor—I consider summer fallowing profitable only for fall wheat, potatoes and garden. Wheat must be grown here with 18 inches of rainfall. Summer tillage or fallow is the best method to meet this condition. By thorough summer tillage 4 to 6 inches of the season's rainfall can be stored in the subsoil. This wets down 4 to 6 feet. In favorable seasons, the rainfall being above the average, and the harvest an early one, it is possible to store nearly this amount of water in the subsoil by intensive summer tillage working the soil immediately after removing the grain.

The soil should be worked only while moist, except in disking. If not wet by the latter part of July, better give up attempting to store the subsoil with sufficient moisture for fall seeding. In any case, the field should be a small one so that it may be quickly covered while conditions are right.

I had 20 acres of fall wheat under bare summer tillage methods in 1911, that made 11 bushels to the acre. In 1912 I had 65 acres, bare summer tillage fall wheat that yielded 15 bushels an acre, and another 48 acres summer tilled yielded 13 bushels an acre. I do not know of as good yields around here on old ground, either in 1911 or 1912. In 1910 Asa Payne had 180 acres of bare summer tilled fall wheat that made 35 bushels to the acre, and in 1909 J. E. Payne had 160 acres that yielded 37½ bushels an acre. The average yield from these different fields was 24 bushels an acre for the last four years, all on old ground.

Plowing twice is possibly as good as any method for bare summer tillage. I double disk in April, plow in May and again the latter part of July, giving the ground some additional cultivation.

By reason of the subsoil being wet it freezes and loosens it up to take in the spring rains. Besides freezing disintegrates the soil particles.

With a good seedbed stored with moisture at seeding time, 25 to 30 pounds an acre of clean, choice seed is usually enough. Seed wheat should be selected from fields making heavy yields, and ripening early. Some of our Red Turkey wheat seems to have run out and the yields are low even under favorable conditions.

I think deep seeding is best, and should be done between September 15 and October 1. It may be even better to seed earlier than this. Wheat should get well rooted and should fairly cover the ground before winter sets in. Early seeding puts the crop in best condition for growth early in the spring, to get the start of the weeds, and to ripen early. As soon as wheat begins to cover the ground in the spring I think it should be harrowed thoroughly two or more times to kill all weeds and to conserve the moisture. It is best to do this after a shower. I have harrowed wheat the last four years with good results.

There is more agricultural science needed in the growing of wheat than any other crop. I believe wheat growing along the foregoing lines can be made very profitable in our section of the country, and the sooner our farmers adopt similar methods the better off they will be.

Albert Weaver.

St. Francis, Kan.

We get more farm help from the Mail and Breeze than any farm paper we have ever taken.—Mrs. Tom Mulligan, Oklahoma City, Okla.

moisture up out of the subsoil. Also this loose soil makes the furrow slice settle better, leaving fewer air spaces and making a firmer seedbed, which is the ideal thing for wheat.

Fowler, Kan.

R. S. Hartman.

## Try Bisulfid on Ant Colonies

Mr. Editor—In this western country a large species of brown ants builds nests in the open fields almost everywhere. The center of the nest is conspicuous because of a mound which is built of sand or small pebbles. The Kansas Experiment station has found that carbon bisulfid is an excellent remedy. Place a dish on the top of the mound and pour into it from 2 to 6 tablespoonsful of the fluid. Invert a tub over the mound, to include as many of the openings as possible, and stop the openings around the edges of the tub with dirt. Also, stop up any openings to the nest which the tub does not cover. The tub should be left over the nest not less than 5 hours. The remedy is not very expensive and will pay well where the ants are troublesome.

S. A. Johnson.

Colorado Agricultural College, Ft. Collins, Colo.

## Siphoning Water From a Well

Mr. Editor—About a year ago I noticed in the Mail and Breeze a query in regard to the use of a siphon in a well for the purpose of drawing out water. A certain professor said it could not be done. Now, I assert that a siph-



# It's Feeding That Makes Hogs

## Other Points in Management Secondary

BY G. W. BERRY, Fieldman Farmers Mail and Breeze.

Please give me instructions in detail as to the care, feed, housing, etc., of hogs. I want to take care of my hogs in the proper manner.—E. R. B., Nemaha county, Kansas.

**T**HE beginner, if inexperienced, can learn more in a few days by visiting the farms of practical hog raisers than can be gained from reading an article in which it is only possible to treat the subject in a general way.

Corn is the cheapest feed and for this reason has been made the basis of hog

feeding in the corn belt. But corn alone is deficient in ash and protein—bone and muscle forming material. It is rich in carbohydrates—fat and heat forming material.

Wheat middlings show nearly the same analysis as corn. Shorts are more appetizing than corn and when the two are combined they form a cheap

and efficient feed for fattening.

Bran and oats contain more protein and when these are added to the ration containing corn and shorts, we have a better balanced feed.

Tankage or meat meal, a by-product

parts shorts and 1 part tankage or meat meal.

When large growth and the development of bone and frame are desired, wheat bran can be fed to all breeding stock especially brood sows, for the reason that bran is bulky, light and cooling, is filling and develops the capacity of the stomach. This enables a hog to take more feed when the time comes to lay on flesh, and richer feed, such as corn and middlings, is supplied.

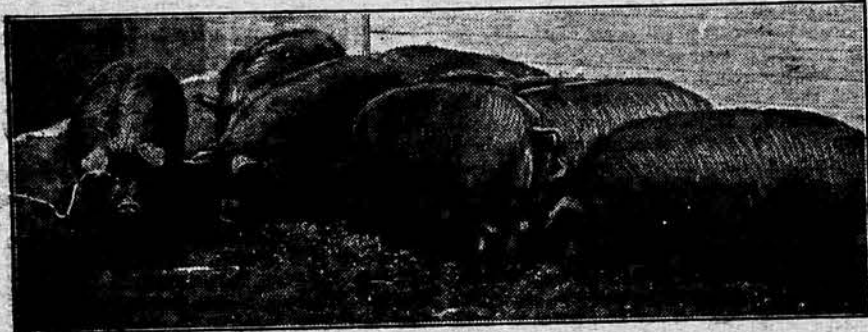
It has been found that while corn and shorts are nearly alike in their analysis, yet when the two are fed together hogs will consume more pounds than when either is fed alone, and at the same time make correspondingly better gains. And, when tankage or meat meal is added the ration is still more acceptable, increasing the appetite of the hogs, improving assimilation and producing the greatest gains.

We feed bran only to brood sows, old boars and sometimes to growing shoats which we desire to grow large. We consider bran too coarse to go into the stomachs of pigs until long after weaning time.

Young pigs, to obtain the best results should be fed more concentrated feeds, such as finely ground cornmeal, soaked corn, milk, oatmeal, white shorts and blood meal. A good combination for



G. W. Berry.



Pigs which are properly fed reach perfection in form at the age of 6 weeks. The feeder who can retain this degree of perfection and grow his hogs to maturity without losing this pig form is an artist.

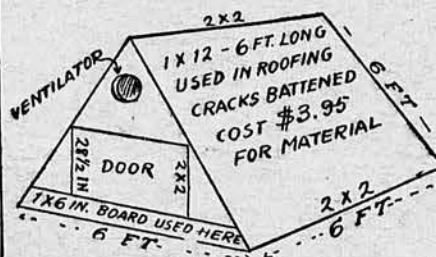
of the packing house, is still richer in ash and protein. It is made from meat scraps and a small amount of bone, cooked under steam pressure and dried. It contains elements which produce lean flesh, muscle, bone and hair, besides it has the function of aiding digestion.

Good results are obtained by feeding a ration composed of 5 parts corn, 5

young pigs is composed of equal parts of cornmeal, oatmeal and white shorts, and to this may be added milk and a small amount of blood meal.

Pigs that are properly nourished reach perfection in form at the age of 6 weeks. The feeder who can retain this degree of perfection attained in young pigs at this age and grow them to maturity without losing the "pig form" is truly an artist.

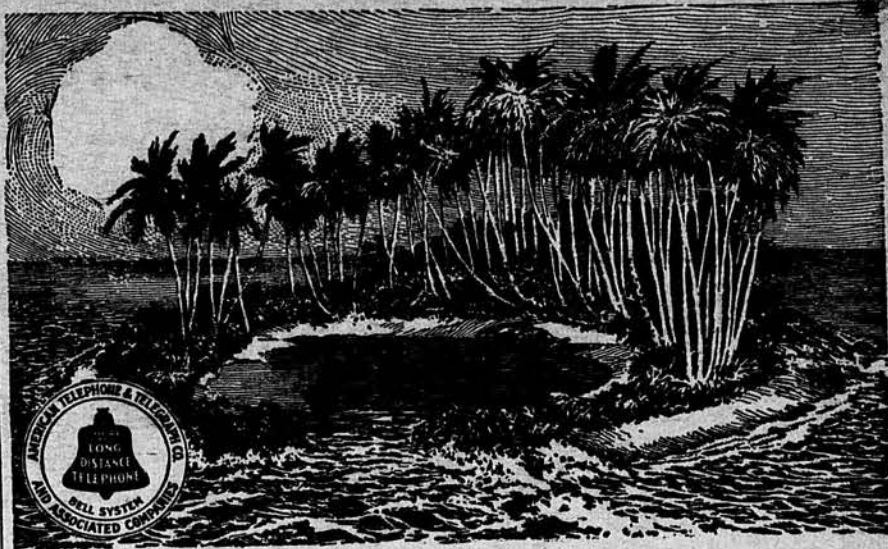
Making pigs thrive after weaning is one of the most important steps in the breeding business. Pigs during the weaning period should be fed often on sweet, rich feed. The best corrector for bowel



Individual farrowing house used by C. A. Brook, the Hampshire breeder.

trouble is blood meal which is simply dried blood prepared at packing houses. Blood meal is exceedingly rich in protein, is easily digested and assimilated. It will prevent and cure scours in all young animals. Pigs can be pushed when fed a little blood meal, and they will not get out of condition. We had a litter of pigs that averaged 240 pounds at the age of 5 months and 20 days. They had a small allowance of blood meal daily from the time they were two weeks old. One teaspoonful is a feed of blood meal for a pig at 6 to 8 weeks old.

No hog grower can long continue in business without grass in some form. Young pigs like to nip the tender blades of grass. Good grass serves as a relish and appetizer to hogs of all ages and conditions. Grass serves as a tonic for the brood sow, the boar and the fattening hog as well as the growing pig. Forage crops enter largely into the economical production of pork, and alfalfa



## Coral Builders and the Bell System

In the depths of tropical seas the coral polyps are at work. They are nourished by the ocean, and they grow and multiply because they cannot help it.

Finally a coral island emerges from the ocean. It collects sand and seeds, until it becomes a fit home for birds, beasts and men.

In the same way the telephone system has grown, gradually at first, but steadily and irresistibly. It could not stop growing. To stop would mean disaster.

The Bell System, starting with a few scattered ex-

changes, was carried forward by an increasing public demand.

Each new connection disclosed a need for other new connections, and millions of dollars had to be poured into the business to provide the 7,500,000 telephones now connected.

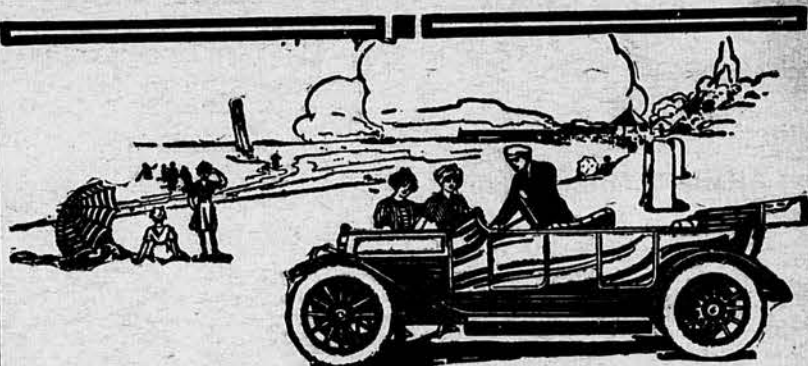
And the end is not yet, for the growth of the Bell System is still irresistible, because the needs of the people will not be satisfied except by universal communication. The system is large because the country is large.

AMERICAN TELEPHONE AND TELEGRAPH COMPANY  
AND ASSOCIATED COMPANIES

One Policy

One System

Universal Service



For Hot Weather Lubrication

**Polarine**  
FRICTION REDUCING MOTOR OIL

Friction eliminated from a motor means long life and added power. With friction down to minimum, old cars are kept like new—their value stays intact. They bring the maximum prices on re-sale.

Polarine is worth ten times its cost because it adds to motoring pleasure, and stops depreciation in car value.

It maintains the correct lubricating body at any motor speed or heat and flows just as well at zero.

Every type of motor car, motor truck, and motor boat, is made better by Polarine.

The product of the World's Oil Specialists after 50 years' experience with every kind of lubricating problem.

STANDARD OIL COMPANY

(AN INDIANA CORPORATION)

Makers of Special Lubricating Oils for Leading Engineering and Industrial Works of the World (1335)

## BANISHED

Coffee Finally Had to Go.

The way some persons cling to coffee, even after they know it is doing them harm, is a puzzler. But it is an easy matter to give it up for good, when Postum is properly made and used instead. A girl writes:

"Mother had been suffering with nervous headaches for seven weary years, but kept on drinking coffee.

"One day I asked her why she did not give up coffee, as a cousin of mine had done who had taken to Postum. But Mother was such a slave to coffee she thought it would be terrible to give it up.

"Finally, one day, she made the change to Postum, and quickly her headaches disappeared. One morning while she was drinking Postum so freely and with such relish, I asked for a taste.

"That started me on Postum and I now drink it more freely than I did coffee, which never comes into our house now."

Name given by Postum Co., Battle Creek, Mich. Write for booklet, "The Road to Wellville."

Postum comes in two forms.

Regular Postum (must be boiled).

Instant Postum doesn't require boiling, but is prepared instantly by stirring a level teaspoonful in an ordinary cup of hot water, which makes it right for most persons.

A big cup requires more and some people who like strong things put in a heaping spoonful and temper it with a large supply of cream.

Experiment until you know the amount that pleases your palate and have it served that way in the future.

"There's a Reason" for Postum.



# Cheapest Threshing Power

DO your threshing this year in record time, with less worry and expense. Secure all your grain in prime condition and thus realize highest market prices for it.

Reliable, steady power is the keynote of quick, thoro, profitable threshing. It's the kind furnished by the "ever-ready"

## Hart-Parr Oil Tractor

No other threshing power plant gives such sure, steady power in the belt. This outfit will drive your separator with a steady hum, hour after hour, and enable it to deliver the biggest output of clean grain—grain that grades high and sells high.

### A Money Maker—A Money Saver Eliminates Fire Dangers

A Hart-Parr Tractor saves you money with every turn of the fly-wheel. Operates on cheapest kerosene. Eliminates the licensed engineer, burned out fuses and melted crown sheets. Does away with water and fuel teams. Means less help to board, less drudgery for the women. Light in weight, safe on bridges. Easy to move. Goes thru the average gateways.

### The Only Tractor That Operates Perfectly in Below-Zero Weather

Every Hart-Parr Tractor is oil cooled. This feature positively insures it against a freeze up, even in below zero weather. The coldest day finds the Hart-Parr Tractor delivering full power every minute it works.

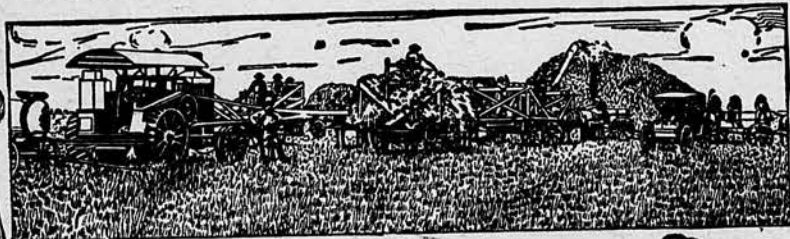
F. J. Weber, Watson, Sask., Can., says: "It has got to be very cold when our Hart-Parr Oil Tractor will not start with the first turn of the fly-wheel. We got it started any cold day. It was the only one that could pull a separator behind it in the snow."

Write for Interesting Catalog

**HART-PARR COMPANY**

234 Lawler St.

Charles City, Iowa



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**KEEN KUTTER**  
TRADE MARK REG. CUTLERY U.S. PAT. OFF.  
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Your money  
back if not  
perfect

That's the unqualified guarantee you get when you buy any tool bearing the famous Keen Kutter trade mark.

If it isn't just right—if it doesn't satisfy you in every detail—take it back to your dealer and he will gladly refund your money.

**KEEN KUTTER**  
Quality Tools

are made of the highest grade materials by expert workmen. Now's the time to buy Keen Kutter scythes and potato hooks. Next time you're in town go to your dealer and handle these tools—their balance—their "hang"—will surely convince you that Keen Kutter tools are time, labor and money savers.

"The Recollection of Quality Remains Long After the Price is Forgotten."  
Trade Mark Registered. —E. C. SIMMONS.

**SIMMONS HARDWARE CO., Inc.**  
St. Louis New York  
Philadelphia Toledo  
Minneapolis Sioux City  
Wichita

If not at your dealer's, write us.

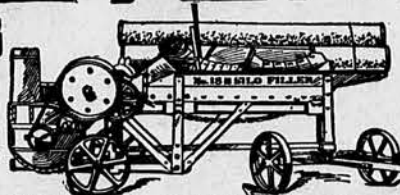
Scythe No. KGD30,  
Price \$1.25

Potato  
hook  
No. KDPH  
Price \$1.00

**APPLETON**  
Silo FILLERS

Handsome, illustrated booklet giving 30 convincing reasons for buying the powerful, low down, underslung, cut-under oak frame, Appleton Silo Filler, mailed free. Write for it to-day.

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alone has almost revolutionized the business of hog raising. Not only has the cost of production been reduced by the use of alfalfa and clover, but by the combination of corn and clover or corn and alfalfa, larger and better hogs are raised and the quality has been improved.

Alfalfa, bluegrass and clover make the best permanent pastures for hogs. Alfalfa once well established will stand a great amount of grazing by hogs. Where used for hogs alone it should be allowed sufficient growth to mow once during the season. Large meadows can be pastured by hogs with scarcely any damage to the hay crops. We have tried both clover and alfalfa for hogs, and yet have not determined which is the better.

Oats and rape sown together make good forage for hogs in spring and early summer and rye and rape sown early in August make fine pasture until winter freezing starts. Small fields which may be available, as well as the hog yards, may be sown in these crops in rotation, thus supplying a vast amount of succulent feed and at the same time the fields and yards will be renovated of weeds and disease germs.

Hogs on any kind of pasture should always be fed a liberal allowance of grain. Hogs will not thrive on alfalfa or clover alone. I have seen herds of hogs reduced to mere skeletons on alfalfa. Pigs 2 to 3 months of age when turned on alfalfa or clover without any grain will lose weight the first month. Brood sows will barely retain their weight on the average pasture, and if suckled down when turned out as is often the case, will remain too poor for desirable breeding purpose. All breeding stock as well as feeders return the best results when fed some grain on pasture, the amount depending on the object desired. Dry brood sows should receive 1 1/2 to 2 per cent of their weight in grain while running on good grass, the exact amount of grain depending upon the flesh they carry. It pays to keep the breeding herd in fair flesh. Sows that are in good flesh produce larger and stronger litters and give their pigs a better start than poor sows. The surplus flesh carried by the sows is held in reserve as nourishment for the coming litter. It is the cheapest feed that can be put into the pig and is a great

help to early maturity. We like to have our sows in good flesh by farrowing time.

The question of shade is important in connection with pasturing hogs during hot weather. Next to shade trees is a shed high enough to admit air and relief from the hot rays that fall on the roof. A good shade is made by setting posts or forks and covering with poles and straw. All such sheds should be made high and airy and kept free from dust. Spraying the ground beneath the sheds in hot dry times will keep down the dust and add much to the comfort of the hogs.

The best pigs are raised in the individual brood sow lot with the individual house. The A-shaped house is used by many good breeders with success. The lot for a single sow and litter should be at least 18 feet wide by 150 feet in length. Such a lot will afford considerable exercise for the pigs, and with proper management will provide considerable grass as a relish for the sow and pigs. Any number of these lots can be planned on either side of a lane or an alley, and such an arrangement will add much to the convenience in the management of the herd.

The house or farrowing pen should be planned to admit sunshine, light and fresh air, avoiding drafts in bad weather. A house of two farrowing pens, 8 feet by 16 feet, with movable partition will be found useful. This house should stand with the front side 9 feet high, containing two windows on the south, and the back 8 feet high. It can be made cheaply of lap siding and covered with boards and roofing material. Such a house will be found airy and comfortable winter and summer.

A most useful farrowing house and sheds combined is built 8 feet wide by 32 feet long, the front 7 1/2 feet high, and the back 6 feet high, with double farrowing pens 7 feet each in the center and a 9-foot open shed at each end. The building faces the south and has two yards with division fence in the center adjoining the house. This is an ideal building for two, four or more sows and litters. The walls are sheathed and sided over building paper. It has a shingled roof. There are a number of objections to the large hog house, and I do not recommend it.

## A Dry June Cut Winter Wheat Corn Late in Kansas But Doing Well

A DECLINE of 26.71 per cent in 750,000 acres of this will be harvested, Kansas' winter wheat crop, during the 60 days ending June 24, is 43.4.

shown by the reports of the state board of agriculture. This is 9.13 points less than the government's report June 1 and makes the average condition of the crop at this writing 62.87 per cent compared with 76.6 in 1912; 76 in 1910; 72.3 in 1909, and 72.93 in 1908.

It is estimated 1,697,621 acres sown to wheat have been so badly damaged by dry weather or chinch bugs, or both, that they will be plowed up or abandoned. In the western half of the state a deficiency of rainfall at the time wheat was heading was the greatest cause of damage. At about the same time chinch bugs attacked the crop in eastern Kansas. The severest damage was in the territory west of the 99th meridian, a little west of the center of the state, comprising 39 counties, some of which sow wheat on a large scale. These had nearly 40 per cent of the total area of wheat. The growers now estimate that not more than 1-

The condition for corn is 85.6, or 1.6 better than a year ago. Planting was late, as a rule owing to wet weather and low temperatures and the growth is backward for the time of year. Its cultivation has been given rather better attention than usual. Assessors' returns thus far indicate less corn planted than a year ago, a decrease of about 200,000 acres in 44 counties, although when the acreage of abandoned wheat acreage put to corn is added the difference will not, of course, be so wide.

Oats are about 26.4 below last year's condition at this time, or 49.3 for the state. In some of the western counties there will be no oats harvested. In Sumner, the leader in acreage in 1912, the promise is for about a fourth of the crop, and in Harper, little, if any, will be cut. It seems safe to look for the bulk of the oats of quality in the northeastern quarter of the state. Jew-

(Continued on Page 9.)

CHEYENNE	RAWLINS	DECATUR	NORTON	PHILLIPS	SMITH	JEWELL	REPUBLIC	WASHINGTON	MARSHALL	NEMAHA	BROWN	DOUGLASS	WYANDOTT
W. 46 C. 90	W. 42 C. 90	W. 28 C. 88	W. 46 C. 90	W. 77 C. 93	W. 84 C. 93	W. 94 C. 92	W. 91 C. 84	W. 91 C. 84	W. 91 C. 84	W. 91 C. 84	W. 91 C. 84	W. 91 C. 84	W. 91 C. 84
SHERMAN	THOMAS	SHERIDAN	GRAHAM	ROOKS	OSBORNE	MITCHELL	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY	CLAY
W. 20 C. 74	W. 26 C. 88	W. 10 C. 90	W. 22 C. 88	W. 94 C. 94	W. 83 C. 86	W. 90 C. 87	W. 90 C. 87	W. 90 C. 87	W. 90 C. 87	W. 90 C. 87	W. 90 C. 87	W. 90 C. 87	W. 90 C. 87
WALLACE	LOGAN	GOVE	TREGO	ELLIS	RUSSELL	ELLIS	SALINE	ELLIS	ELLIS	ELLIS	ELLIS	ELLIS	ELLIS
W. 20 C. 90	W. 34 C. 88	W. 10 C. 90	W. 20 C. 88	W. 40 C. 90	W. 45 C. 90	W. 45 C. 90	W. 62 C. 90	W. 62 C. 90	W. 62 C. 90	W. 62 C. 90	W. 62 C. 90	W. 62 C. 90	W. 62 C. 90
GREELEY	WICHITA	SCOTT	LANE	NESS	RUSH	BARTON	RICE	HIGHAM	MARION	CHASE	CHASE	CHASE	CHASE
W. 25 C. 88	W. 10 C. 88	W. 12 C. 88	W. 20 C. 88	W. 20 C. 88	W. 20 C. 88	W. 20 C. 88	W. 60 C. 88	W. 60 C. 88	W. 60 C. 88	W. 60 C. 88	W. 60 C. 88	W. 60 C. 88	W. 60 C. 88
HAMILTON	KEARNY	FINNEY	HODGEMAN	PAWNEE	STANTON	RENO	WYANDOTT	BUTLER	GREENWOOD	WOODSON	ALLEN	ROBSON	ROBSON
W. 25 C. 88	W. 25 C. 88	W. 63 C. 88	W. 20 C. 88	W. 20 C. 88	W. 20 C. 88	W. 72 C. 91	W. 72 C. 91	W. 50 C. 88	W. 68 C. 88	W. 70 C. 88	W. 70 C. 88	W. 70 C. 88	W. 70 C. 88
STANTON	GRANT	HASKELL	GRAY	FORD	KIOWA	PRATT	KINGMAN	SEAWARD	ELK	LABETTE	LABETTE	LABETTE	LABETTE
W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88	W. 25 C. 88
NORTON	STEVENS	SEWARD	MEADE	CLARK	COMANCHE	BARBER	HARPER	SUMNER	COWLEY	COWLEY	COWLEY	COWLEY	COWLEY
W. 65 C. 78	W. 45 C. 78	W. 30 C. 78	W. 32 C. 78	W. 32 C. 78	W. 45 C. 81	W. 39 C. 81	W. 41 C. 81	W. 51 C. 81	W. 51 C. 81	W. 51 C. 81	W. 51 C. 81	W. 51 C. 81	W. 51 C. 81

Map showing condition of wheat and corn by counties in Kansas as reported for June by the correspondents of the Kansas state board of agriculture.





## Leidigh's Answers TO FARM QUESTIONS

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

### Will Summer Working Hurt Alfalfa?

Is it a good policy to cultivate alfalfa immediately after harvesting? If so with what tools? I have a patch of alfalfa in which there are a few spots of sandy land, where the growth is small. What is the best way to increase the production?—C. C. P., Wewoka, Okla.

The two special tools for cultivating alfalfa are the spike-tooth disk and the alfalfa cultivator. The cultivator has shovels and sharpened shanks. Besides these, there are the regular disk-harrow and other harrows. If you have a tool on hand which will do the work, it is hardly necessary to buy a special tool.

Where your alfalfa land is hard and caked, or cracked, or is infested with grass-like weeds, it is frequently advisable to give it a thorough cultivating. Most farmers cultivate their alfalfa early in the spring, but frequently they say this practice does not give them enough increase in the crop to pay for the work. Under special conditions, I believe it is advisable to work alfalfa land. If you cultivate your alfalfa in the summer, you should do so immediately after cutting the crop.

On the land which is too sandy to give the best results with alfalfa, shallow plowing and frequent applications of moderate amounts of barnyard manure will probably help the crop to some extent. A. H. Leidigh.

### Going to Break Sod for Corn.

I have some prairie I am going to break. Would it do to put it into corn? How would you prepare the ground? I want to break it this winter and plant it in the spring.—E. O., Clay county, Kansas.

Ordinarily prairie land in central Kansas breaks easiest in the spring when the ground is moist and the grass roots tender. However, it is usually perfectly practical to break prairie sod at any time of the year when you would otherwise be idle.

Prairie sod should be plowed the first time from 2 to 3 inches deep. It is best to plow in long, narrow lands and "drag around" the ends. If you plow this way, it will be possible to cross-break, or backset or cross disk the sod ground. Where an extra good job of fall or winter breaking is done, the surface may be worked into a fair state of tilth, and Kafir or corn planted with the lister or two-row planter, rather late in the spring.

If, however, you have broken the sod deeply, you will find it pretty hard to plant with anything except a wheat drill.

Good crops for new sod land are Kafir or other sorghums, wheat and corn. Such crops as pumpkins and melons are very successful on this kind of land, but it is not usually desirable to raise them on so large an acreage. A. H. Leidigh.

### A Dry June Cut Winter Wheat

(Continued from Page 8.)

ell county, with a condition of 87, is highest, followed by Cloud with 82, Clay 81, and Pottawatomie 80. Labette, Crawford and Montgomery, in the southeast, report conditions of 75, 76 and 75 respectively, the best in that section. About the same acreage was sown as a year ago.

This year's returns indicate an increased acreage of alfalfa. As a rule the first cutting was extra heavy, and quite as uniformly the second cutting so far as made is rather light. Reports suggest that on the whole grasses are not as good as usual, although a notable exception is the northern two tiers of counties extending westward from the Missouri river 200 miles, where pastures and meadows are above the average. Similar situations are found also in eight or 10 other widely separated counties.

I have been receiving the Mail and Breeze for some time. I can recommend it as one of the best farm papers published.—Levi Johnson, Independence, Kan.

## No-Rim-Cut Tires 10% Over-Capacity

### The Chief Tire Problem

How to end rim-cutting, for years and years, has been the chief problem of Tiredom.

Many devices have been tried and abandoned. They developed faults. The tires fell down. Thousands came back for replacement.

#### The Ruin of Rim-Cutting

Motor car owners have lost millions of dollars through having tires cut by rims.

The trouble occurs when tires are run wholly or partly deflated. And the ruin can't be satisfactorily repaired.

Myriads of punctured tires have been wrecked in a moment—before the driver knew of the puncture.

No-Rim-Cut tires make this ruin impossible. They have been used for years, on hundreds of thousands of cars. And not one has ever rim-cut.

#### Over-Capacity

Another fact is that No-Rim-Cut tires exceed clincher tires ten per cent in capacity.

That is, in air capacity. It is air that carries the load. This

extra capacity, on the average, adds 25 per cent to the mileage.

So these tires embody two enormous economies. They save rim-cutting and save over-loading.

#### The Secret Bands of Wire

These tires are made possible by six flat bands of 126 braided wires. They are vulcanized into the tire base.

Thus we get an unstretchable tire base, and we don't hook the tire to the rim.

One glance at these tires in any Goodyear shop will show why these tires can't rim-cut.

Every great tire maker, again and again, has tried to make tires that can't rim-cut.

We solved this problem in a faultless tire, and by means that we control. That is the reason why Goodyears now outsell every other tire.

We control these bands by secrecy. They are made under lock and key.

And, so far as we know, there is no other way to make a satisfactory tire of this type. Nearly every maker has tried it.

#### No Extra Price

No-Rim-Cut tires used to cost one-fifth more than clinchers. With our multiplied output the price has come down. Now no standard tire of any type costs less than No-Rim-Cut tires.

There is no reason whatever to try an experiment. No reason for tires that rim-cut, or for tires of less capacity.

You can get at the same price the tire which is now the most popular tire in the world.

Write for the Goodyear Tire Book—14th-year edition. It tells all known ways to economize on tires.

**GOOD YEAR**  
AKRON, OHIO  
**No-Rim-Cut Tires**  
With or Without Non-Skid Treads

THE GOODYEAR TIRE & RUBBER COMPANY, AKRON, OHIO

Branches and Agencies in 103 Principal Cities

More Service Stations Than Any Other Tire

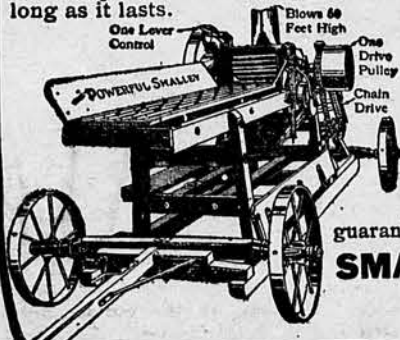
We Make All Kinds of Rubber Tires, Tire Accessories and Repair Outfits

(1180)

Main Canadian Office, Toronto, Ont.—Canadian Factory, Bowmanville, Ont.

## A New Deal in Silage Cutters

Yes Sir! A new deal! Not the old-fashioned **slat-apron** cutter that keeps a whole crew of men busy feeding it, but a **modern, up-to-date** cutter, a **SELF-FEEDER**. All done by the powerful **Grip Hooks** which cram your fodder into the knives. Fills the Silo in a hurry, too, no matter if it's twice as high as your house. No coarse, uneven silage. All cut fine and even, so as to pack down closely and keep fresh as long as it lasts.



### Powerful Smalley Force-Feed Silage Cutter

handles oats, peas, alfalfa, as well as green silage. (Alfalfa Grinding Screen for making Alfalfa meal can be attached.) Only one drive pulley on Blower Outfits. No idler to bother with. Ten per cent steel guaranteed in all foundry castings. No oiling by

Four-fifths of all Silo owners use Smalleys. The other one-fifth would also have bought Smalleys if they had known the facts.

When George Crow of Hutchinson, Kansas, got ready to fill his big 60-ft. Silo he promptly sent for a Powerful "Smalley" and patented chain-drive Blower to do the cutting and filling.

Silo scene on O.D. Jenkins' farm, near Sedalia, Mo.



17 outfits sold at Sedalia last fall.

hand—hard oil cups on all important bearings. Our new illustrated catalog is now ready. Send us a postal and it will be mailed you free, by return mail.

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Manufacturers of Ensilage, Alfalfa and Hand Feed Cutters, Combination Ensilage and Snapping Machines, Drag and Circular Saw Machines, Champion Plows, Cob Grinder and Feed Mills.

(72)



## Cow-Ease



Prevents Ticks.  
**KEEPS  
FLIES OFF**  
Cattle and Horses

and allows cows to feed in peace, making more milk and more money for you. A clean, harmless liquid preparation, applied with a sprayer. Keeps cows in good condition, and saves five times its cost in extra milk.

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If your dealer cannot supply you, send us his name and \$1.25, and we will deliver prepaid to your address a half-gallon can of COW-EASE and SPRAYER for applying. For West of Missouri River and for Canada, above Trial Offer, \$1.50.

Satisfaction or Money Back.  
**CARPENTER-MORTON CO.**  
BOSTON, MASS.

Floors, Furniture and Interior Woodwork

**Campbell's Varnish Stain**  
All sizes and colors, at Paint & Hardware Dealers  
Carpenter-Morton Co., Boston, Mass.

## ABSORBINE

TRADE MARK REG. U.S. PAT. OFF.

Reduces Strained, Puffy Ankles, Lymphangitis, Poll Evil, Fistula, Boils, Swellings; Stops Lameness and allays pain. Heals Sores, Cuts, Bruises, Boot Chafes. It is an **ANTISEPTIC AND GERMICIDE** [NON-POISONOUS]

Does not blister or remove the hair and horse can be worked. Pleasant to use. \$2.00 a bottle, delivered. Describe your case for special instructions and Book 5 K free. **ABSORBINE, JR.**, antiseptic liniment for mankind reduces Strains, Painful, Knotted, Swollen Veins, Milk Leg, Gout. Concentrated—only a few drops required at an application. Price \$1 per bottle at dealers or delivered. **W. F. YOUNG, P. U. F., 209 Temple St., Springfield, Mass.**



## JOINTINE

Is a Positive Cure for Joint and Navel Disease in Foals

also for blood poison and leakage at the navel and blood poison in distemper.

**"JOINTINE" is Guaranteed to Cure or Your Money Refunded**

It may also be used as a preventive. Why permit your foals to die with Navel and joint disease when "JOINTINE" will prevent and save this great loss? Perfect satisfaction in the use of this medicine guaranteed. Descriptive pamphlet, testimonials and guarantee on application. Easily administered. Money-back guarantee. Price \$3 a box. **T. B. BOWMAN, BOONE, NEBR.**

## Shoo-Fly

THE ANIMALS' FRIEND

Keeps flies and other insect pests off of animals—in barn or pasture—longer than any imitation. Used and endorsed since 1885 by leading dairymen and farmers.

**\$1 WORTH SAVES \$20.00**  
In milk and flesh on each cow in a single season. Heals sores, stops itching and prevents infection. Nothing better for galls. Kills lice and mites in poultry houses.

**SEND \$1.** If your dealer can't supply you. We'll send you enough Shoo-Fly to protect 200 cows, also our 3-tube gravity sprayer without extra charge. Money back if not satisfactory. Name Express Office. Booklet FREE. Special terms to agents. **Shoo-Fly Mfg. Co., Dept. N 1310 N. 10th St., Phila.**  
Editor knows from experience that Shoo-Fly is O. K.



Actual Photograph of Cyclone at McPherson, Kan., April, 1904. Fourteen Homes Destroyed; Loss \$70,000.

## ARE YOU PROTECTED?

During 1912 we paid 1183 losses in Kansas, of these 264 were fire, 294 lightning and the remaining 625 were WIND losses. We paid total or partial losses by wind in 95 of the 105 counties of the state in 1912.

We insure you against wind at cost. That's what we farmers banded together for. Write today.  
**FARMERS ALLIANCE INSURANCE COMPANY**  
McPHERSON, KANSAS

## JAYHAWKER FARM DOIN'S

BY H. C. HATCH, GRIDLEY, KANSAS.

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

This time of year Kansas people do not like to see it go more than a week without raining. If rain holds off longer than that they begin to watch the clouds. The last four dry seasons have made moisture appreciated.

The prairie hay men are soon to begin putting up the crop. Tonnage is fair but there are more weeds than usual and some fear they will cut down the quality a full grade.

Farmers in this section were glad to see the recent rise in hay prices. It had begun to look as if hay was down to stay, especially as such a good first crop of alfalfa had been cut, but it seems there are many localities where hay is not going to be plentiful this year. Parts of Missouri have been dry all spring and the hay in those localities is practically a failure.

Summer time is so near at hand that we "cleaned up" on our old hens this week. Many of them were more than 2 years old and we concluded the danger of loss would more than balance what few eggs such old hens would lay. There is not much danger of low-priced poultry as long as all other kinds of meat remain so high.

We find by taking out the cushions from the rear auto seat and building up with small boxes, we can get two chicken coops in the space. Yesterday we had 20 hens in two coops and they weighed a little more than 100 pounds. They had a cool, quick and pleasant ride to town and it saved driving the work horses. The coops cannot be put in at the side but go in at the back. Hens bring 11 cents a pound here now and old roosters 7, which is the highest price we ever got for them.

We have made a change in the lubricating oil used in the auto. With the coming on of hot weather the oil that was about right for winter becomes too thin, causing a waste of oil and much smoking at the muffler. A little heavier grade of oil is indicated under such circumstances, although one should always be sure that oil enough is being used. It never pays to economize in lubricating oil and we have noticed that certain cars believed to be specially economical users of oil are frequently at the garage having new bearings put in.

In this neighborhood in the last year several modern houses have been built. This means they have running water, lights of some kind and furnace heat. Such houses indicate to strangers that there is some degree of prosperity present and for that reason, if for no other, we are always glad to see them put up. There is no reason why town folks should have all the good things and be the only ones to think that money is well invested which makes a family comfortable. We do not advocate going in debt for building a new home when the old house is comfortable, but if a farmer has the money and wants a fine house or a motor-car we see no reason why he shouldn't have it.

We notice an article in the Kansas City Star in praise of corn meal says it contains as much nutriment as wheat flour and sells for just half as much. It may in Kansas City but it does not here. Here, when we buy an 8-pound sack of cornmeal we pay 25 cents for it, and have for years, regardless of the price of corn. This is rather more than our wheat flour costs us. We can buy the best of flour for \$1.05 a 48-pound sack. Graham flour costs as much as cornmeal, and it is this fact which causes a greater use of flour and less of the meals.

A number of cement silos are to be built in this and adjoining counties this summer. One man is to put up three concrete silos, each of 300 tons capacity. Not far away is one recently completed which looks fully that large, and we have been told it cost \$700 to build it.

We do not know of our own knowledge about the cost but we know that just to look at this silo from a short distance it is a work of art. It is about as fine looking a silo as we ever saw.

A good many of the silo owners here like to rent land outside to plant the Kafir to fill their silos. There is no question but that a silo will skin a piece of ground just a little quicker than anything else, if the corn or Kafir is put in the silo every year and nothing ever drawn back to the soil. For that reason we should not care to rent any land for that purpose. The use of crops for silage also will clean out the weeds as they are cut and bound up with the corn and go into the silo where the heat kills every seed.

While it has not been so very dry here this season something has made way with our new sowing of timothy. We hardly think it has been dry enough to kill it and lay the failure to the extremely hot weather of the last of May. Owing to dry weather at the start, the seed did not come up until about May 1 and it was rather small when those hot days came. At any rate, something has killed out the timothy but left the clover. It goes to show that clover can stand much more grief than timothy. It is not likely we shall give timothy another trial but will use English bluegrass instead if we want grass for pasture. Plowing up this field will furnish us a job soon. We are in doubt whether to sow it to alfalfa or bluegrass this fall.

This is the 18th crop of corn we have seen grown in Kansas and during those 18 seasons we have never seen the fields so uniformly free from weeds as they are this year. This is the fourth rather dry spring in succession and it has given the farmers a chance to get rid of the weeds that got such a good start during the period of wet seasons we had here from 1902 to 1909. About all the corn we have seen looks well, although it is in all stages of growth, from 8 inches to waist high, and all that is now lacking to insure a fine crop is rain at the right time.

That cool spell during the first of June was quite a topic for discussion and the verdict of many was, "Coolest weather I ever saw here for the time of year." It was not the coolest June weather they had seen but they just didn't stop to remember. In 1897 and again in 1902 we had cooler June weather. We remember the night of June 7, 1897, especially. We were at a dance after having plowed corn all day, and the boys watched about all night for signs of frost which they fully expected to see. But it did not come and we were glad, for we had that day plowed corn which was up to the arch of the cultivator. All of June, 1902, was very cool and wet, but that year we raised the best crop of corn that has been grown since we came to Kansas.

This week was the time for bank statements and we have been reading them in all the papers we take. What we notice most is the great increase in deposits placed on time to draw interest. Not long ago it was rare for any bank to carry many such deposits, practically all of them being subject to check. We think this shows the people have a good deal of money on hand which they do not have to pay out and it is also pretty certain that most of this money belongs to farmers. The business man in town does not put money in the bank in that way; he can make more than 4 per cent out of it in other ways, but a farmer does not have so many chances to turn over his spare money, so puts it in the bank to draw interest. Most banks would rather have money deposited subject to check for they have no interest to pay on that, but we think they will all agree that the increasing proportion of time deposits shows a prosperity that is permanent.

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"Ohio" improvements for 1913 are radical—eclipse all previous efforts. Don't close a deal for any Cutter and take chances with unknown makes until you see what the "Ohio" offers.

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Salem, Ohio

## PAPEC ENSILAGE CUTTER

Lightest Running Silo Filler Made

It cuts and elevates the highest quality of silage at minimum cost for time, labor and repairs. Built of iron and semi-steel; gear driven throughout; easily set up; fed from ground; convenient to operate; fills highest silos; almost any power will run it; costs less for upkeep, and barring accidents will last a lifetime. It throws as well as blows and the silage is elevated in a steady stream, not in bunches; it operates at slow speed and it is absolutely safe. Our catalog which explains the construction in detail is mailed free upon request.

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By using our low down steel wheel wagon

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Makes blamished horses valuable. Cleans up bad legs without laying them up or blistering, or money refunded. Reference any bank in city. Write me describing case fully. **C. R. HARRYMAN, PH. G., Shawnee, Okla.**

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Save  
40% to  
60% on this  
clear fir Silo

## Seattle Silo

Close and straight grain. No sap or knots. Wonderfully durable. Doors of new patented swinging type. Quick detachable. No lifting. Door bars form safe, strong ladder from which hoops are easily tightened. Write today for special silo folder and how to get low shipping rates even on single silos.

Save 40% to 60%  
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Get better lumber, too. Buy the choicest lumber and millwork at prices 40% to 60% lower than local dealers ask for inferior materials. You are guaranteed satisfaction when you deal with us. All orders shipped within 24 to 48 hours. Reach our customers within an average of two weeks' time. Write today for catalog and price list. Send bill of materials, if you can, for estimate.

**Hewitt-Lea-Funk Co.**  
470 Union Avenue  
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## Save \$35 to \$50

Yes sir, I'll save you \$35 to \$50 in the first cost alone on the best, most modern, most sanitary and closest skimming cream separator ever built. When you buy the

### New Galloway Sanitary

you pay just one small profit above actual cost of materials and labor. Why pay any dealer \$85 to \$110 for an inferior machine. Buy direct and save one-half. Get my

Special 1913 Offer and  
90 Days FREE TRIAL

test of this machine right on your farm. The new Galloway Sanitary skims to a trace, gears run in oil—easy to run—easy to clean. Sold direct. Backed by \$25,000 bond. Write for new catalog and special 1913 offer that will help you get your machine partly or entirely without cost in the end. Write today. **WM. GALLOWAY COMPANY**  
43 Galloway Station, Waterloo, Ia.



## New Silo Book FREE

It's full of valuable information for every farmer and stock raiser. Tells all about the special and exclusive features of the famous

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make a positive shearing cut full width of bundle, from sides to center of throat, hence do cleaner work on less power. Our sickle-edge knives cut the hard, dry alfalfa to 4 inch lengths. Only silo fillers made having these wonderful knives. Investigate now. Write for catalog. Address Dept. 81  
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**BEATRICE**  
Cream Separator  
Easy to Run, Hard to Wear Out  
THE CONTINENTAL CREAMERY COMPANY  
Topeka, Kan., Oklahoma City, Okla.



## Dairy Farming

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

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

A light burlap thrown over the cow is a great help at milking time when the flies are bad.

A small gasoline engine gives even better and better power for the separator than turning it by hand.

Cream that tests high will keep sweet longer in hot weather than the thinner, lower-testing kind.

Many eastern farmers feed grain to milk cows on pasture. Do you think it would pay in the West?

The July cow-heaven means shade, plenty of cool water and lots of grass. Also this combination means plenty of milk.

The sun has a purifying effect on milk pans and pails, but they should be covered with light screen cloth so the flies cannot chase over them.

It will not cost you a cent to try a cream separator for two weeks or even longer. Any dealer will be glad to let you have one on trial, for once used they sell themselves.

It costs considerable money to make good hogs if you have to buy mill feed to do it. The dairyman can use skim-milk in place of mill feed and so cut off a big bill of expense.

### Only One Way to Keep Milk Sweet.

Is there anything I can put in milk to keep it from souring? I am retailing 50 gallons of milk daily but have to have it shipped 75 miles and it is hard to keep it.—E. B., Ray, Ariz.

All chemical preservatives of milk are injurious and cannot be recommended. To use them is unlawful. The best thing to do is to have the milk cooled immediately after milking, either by aerating or with ice or cold water. Thoroughly scald all utensils before putting milk into them and you will be surprised how much longer milk can be made to keep. Only a temperature below 50 will check the work of the sour milk germ.

### Butter Made From Sweet Cream. [Prize Letter.]

Mr. Editor—I am a crank on making butter out of sweet cream. Before I got a separator I had a small tank in the corner of my cellar where I kept the milk. All the water that went to the stock tank ran through this milk tank. I skimmed the milk sweet, kept the cream sweet, and churned it sweet as I still do. My butter never gets oily in summer no matter if I have no ice, because I churn sweet cream. When the weather is warm I churn oftener to keep the cream from getting sour. I use a barrel churn and churn in winter with the cream at 62 degrees and in summer at 55 to 58. We churned this morning in just 4 minutes and the buttermilk is as sweet as milk just from the separator.

To make a good quality of butter all through the summer see that the cows have enough pasture. When regular pasture gets short it is a good plan to have some cane pasture for them, or plenty of late sweet corn. I give my cows a little grain ration summer and winter. They get it with a little salt right after milking time and the cows pay for it. It pays to have a good separator. Mine is a DeLaval and when I first got it I was milking only two cows, but I made just 4 pounds more butter each week than I had before.

Mrs. J. W. Morrill.

Clyde, Kan.

A good argument for the fall fresh cow may be put over by comparing present prices of butter and butter fat with those of four and five months ago.

# You need a new DE LAVAL Separator NOW

## 1st If you are still using some gravity or setting process of creaming—

Because your waste is greatest and quality of product poorest in mid-summer, when the milk supply is greatest.

Because time is of greatest value on the farm at this season and the time and labor saving of the good separator counts for most.

Because the skim-milk is poorest without a separator in hot weather and often more harmful than helpful to calves and young stock.

Because the work of an improved De Laval Cream Separator is as perfect and its product as superior with one kind of weather as with another.

## 2nd If you have a very old De Laval or an inferior separator of any kind—

Because the losses of the poor separator from incomplete skimming and the tainted product of the difficult to clean and unsanitary separator mean most when the bulk of milk is greatest.

Because of the great economy of time at this season in having a separator of ample capacity to do the work so much more quickly.

Because an improved De Laval separator is so much simpler and more easily handled and cared for than any other, and you cannot afford to waste time these busy days "fussing" with a machine that ought to have been thrown on the junk-pile long ago.

Because the De Laval separator of today is just as superior to other separators as the best of other separators to gravity setting, and every feature of De Laval superiority count for most during the hot mid-summer months.



These are all facts capable of prompt and easy demonstration, whether you have a poor separator or none at all. The new De Laval catalog, to be had for the asking, helps to make them plain. Every De Laval local agent stands eager to do so with a machine itself, with no obligation on your part to buy unless he does—and that to your own satisfaction.

**WHY DELAY?** Why put off so important a step as the use of the best cream separator, which you need more RIGHT NOW than at any other time?

**The De Laval Separator Co.**  
NEW YORK CHICAGO SAN FRANCISCO

## THE FREEMAN ENSILAGE CUTTER

Noted for its exceptionally clean cutting, smooth, fast running and its saving of power. The 16 inch Freeman gives excellent results with as little as 4 H. P.

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Traveling force feed table—handles biggest bundles with ease. Most simply constructed, most durable. Large feed rolls, adjustable knives, safety fly wheel, safety stop lever—can be brought to a standstill instantly.

**Enclosed Steel Carrier**—Non-clogging—no scattering, no waste—single chain, runs light and true. Easily taken apart, easily moved. Fine for individual silos or job work.



### Get Our Free Book

Illustrates and describes our complete line of ensilage machinery—shows all sizes Freeman Feed Cutters, from cheapest hand cutter up. This book will save you money. Write for it today.

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**CHAMPION MOLASSES FEED**  
Is the feed fed to all cattle that brought the highest prices on the five leading cattle markets during the year of 1912, far superior to cottonseed meal with ensilage, equally good with any feed, will save 30 days' time in feeding period, also a great milk producer. Write us. **CHAMPION FEED CO., TARKIO, MISSOURI.**

**OIL - OIL - OIL**  
WHOLESALE PRICE TO CONSUMERS—Combining best quality with low price. NO WATER IN MY KEROSENE OR GASOLINE.

XXX 46 gravity water white kerosene.....	\$6.00 for 52 gal. bbl.
XX 42 gravity kerosene (the kind usually sold).....	\$5.25 for 52 gal. bbl.
XXX 64 gravity gasoline.....	\$10.00 for 52 gal. bbl.
1 case graphite axle grease (2 doz. 3 pound pails).....	\$3.50
40 gravity prime white stove distillate.....	\$4.50 for 52 gal. bbl.
38 gravity stove distillate.....	\$4.25 for 52 gal. bbl.
60 gallon (26 gauge) galvanized steel tank with pump and hood cover complete—a great convenience in every home.....	\$3.60
Extra heavy pure crude oil, steamed and settled, (black oil) good lubricant, just the thing for greasing tools.....	\$4.00 for 52 gal. bbl.
STANNARD'S PROCESSED CRUDE OIL, the best dip made for killing lice and curing mange. One application will do more to kill lice and cure mange than three applications of any other dip made (it destroys the nits).....	\$5.00 for 52 gal. bbl.
I also carry a full line of lubricating oils.	
I will pay \$1.25 each for my crude oil barrels, \$1.50 each for my refined oil barrels returned to me at Coffeyville, Kansas, in good order, less freight charge on same.	
<b>C. A. STANNARD, BOX M, EMPORIA, KAN.</b>	





## Poultry Keeping

CONDUCTED FOR FARMERS MAIL AND BREEZE BY REESE V. HICKS, PREST. AMERICAN POULTRY ASSOCIATION.

We want you to talk chicken with us. Good short letters on poultry matters especially welcome. A year's subscription to Farmers Mail and Breeze is awarded each week for the most helpful bit of poultry experience, and for second and third best contributions subscriptions to other useful publications.

Skimmilk will make quick growth in chicks.

Sifted ashes are a good substitute for dust for the hen's bath.

A dark comb is an indication that something is the matter with the bird.

Too much scientific work in the hen business is a failure. Just use common sense.

Let the old hen and her brood have a sheaf of wheat and watch them keep busy.

Experiments have shown that the greatest gains in fattening are made by young stock when 2 to 4 months old.

A good grain mixture for chicks is 2 parts cracked corn, 2 parts cracked wheat, 2 parts Kafir and 1 part millet.

For a dry mash nothing will beat 2 parts each of cornmeal, bran, shorts and beef scrap, and 1/2 part alfalfa meal.

Frequent changes of drinking water is one of the best safeguards for the health of the flock during hot weather.

### Summer Roosters Are Dear Pets

THEY COST KANSAS A MILLION.

If Kansas had a "rooster law" it would save the state a 42 per cent loss in market eggs every summer, or about 1 million dollars. A fertilized egg rots much quicker than an unfertilized one. If cockerels were penned up or sold at this time every year a loss of nearly half the summer-egg supply would be saved.

W. A. Lippincott, head of the poultry department at Manhattan, is a warm advocate of a rooster law for Kansas and brought the subject up at the meeting last week of the Kansas Poultry Federation.

"I hope and expect to see within the next five years," said Prof. Lippincott, "a law on the statute books of this state making it a misdemeanor for anyone to let a male bird of any description run at large in the open country or in town. Of course, when this law is proposed it will cause much merriment, but when it is passed it will save the farmers of Kansas, estimating it conservatively, a million dollars a year."

Fifty poultrykeepers, half of them women, attended the two-day session of the federation at the college. This is the first annual meeting of the organization. Arrangements have been made by the new organization to hold a state poultry show at Independence next January.

### Fresh Drinking Water All Day.

[Prize Suggestion.]

Mr. Editor—I find so many helpful suggestions in the Mail and Breeze that I should like to add one we have found very handy. It is a cream can which serves as a chicken waterer. The can is filled with water and a large bread

pan placed over the top. It is then inverted and the water comes through the small hole near the top of the can, just fast enough to keep the pan full. Our can holds 8 gallons and supplies the flock with water for a whole day. Arlington, Kan. M. K. Boody.

### Rocks Lead at Poultry Farm

BY REESE V. HICKS, Director of Experiments Mail and Breeze Poultry Experimental Farm.

IF THE Barred Rock hen, Band 2, maintains her average in the laying contest at the Mail and Breeze Poultry Experimental Farm her record for the year will be 258 eggs. Notwithstanding an attack of broodiness this hen has maintained an average of 21 1/2 eggs a month for the four months. The Minorcas, fed no mash, continue at the bottom of the list, while the house-confined Wyandottes are keeping them close company.



R. V. Hicks.

The laying contest has lagged this month, with all but the non-sitting breeds. All the other hens seemed determined to sit at once. The Langshans and Orpingtons have shown the most persistence in broodiness. One Minorca pen passed a Wyandotte pen for the reason that none of the Minorcas were broody, while the Wyandottes were. In the same way the free-range pen of Leghorns jumped up ahead of the Black Langshans and Orpingtons. Broodiness pulled down the oats-fed pen of Black Langshans from third last month to sixth place. At one time four Black Langshan hens out of five were in crates undergoing treatment for broodiness.

Following is the tabulated result in the laying contest for the four months:

Variety	First month	Second month	Third month	Fourth month	Total
Pen 2, Barred Rocks	63	95	87	93	338
Reds, (free range)	60	83	84	79	306
Pen 4, W. Leghorns	40	82	86	76	284
Barred Rocks (no alfalfa)	45	86	75	76	282
Pen 6, Reds	61	68	72	65	278
Black Langshans (sprouted oats)	68	65	88	51	272
White Leghorns (free range)	17	64	74	61	236
Pen 7, Black Langshans	65	64	52	54	235
Pen 1, Buff Orpingtons	62	64	58	49	233
Buff Orpingtons (corn fed)	70	62	36	52	220
Pen 3, Minorcas	10	60	69	57	196
Pen 5, White Wyandottes	34	55	55	36	180
White Wyandottes (house confined)	18	49	59	44	170
Minorcas (no mash)	17	42	59	18	136

While the last month has been poor in egg production, the fertility of the hatches has greatly increased. In the two range pens and the oats-fed pen of Black Langshans it runs between 85 and 90 per cent. This indicates that green feed and range are both helpful in producing eggs strong in fertility.

### Perches Made of Gas Pipe.

Mr. Editor—The best chicken perch I have ever used was made of gas pipe. Make all perches of the same length. Drill holes through each end and bolt them fast to crosspieces of the same material. Take four spikes or wire staples and fasten them to rafters or joists of hen house. Fasten baling wire to them and let it hang down to within 2 feet of floor. Fasten this wire to the perches so they will hang level without touching sides of house, and your fowls will never be troubled with mites.

G. W. Butesbaugh.

Cozad, Neb.

### Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY RATE.

The rate for advertising under the "Reliable Poultry Breeders" column is 50 per word each time for 1, 2 or 3 insertions and 4 1/2 per word each time for four or more insertions.

#### RHODE ISLAND REDS.

ROSE COMB RED eggs from pens mated to roosters costing from \$10.00 to \$30.00. Eggs at sacrifice prices after May 25. 15 eggs \$1.00, 30 eggs \$1.75, and 50 eggs \$2.50. Also a few extra good roosters at \$2.50 and \$5.00 each and good hens at \$1.00 each. W. R. Huston, Americus, Kan.

#### DUCKS.

30 ENGLISH RUNNER duck eggs \$2. Paul Grill, Ellsworth, Kan.

INDIAN RUNNER ducks. Topeka fair winners. Satisfaction guaranteed. Burt White, Burlingame, Kan.

FAWN AND WHITE and brown and white prize winners. Indian Runner duck eggs 15 for \$1.00, 100 for \$5.00. E. O. McKinney, Lafontaine, Kan.

#### PLYMOUTH ROCKS.

BIG TYPE BARRED ROCKS. Half price now. Duff, Larned, Kan.

FOR SALE. Pen Buff Rock hens, also cockerels. Mrs. M. E. Stevens, Humboldt, Kan.

BARRED ROCKS. 68 premiums, Topeka, Manhattan, Clay Center, Denver. Eggs 15, \$1.25; 60, \$4.00; 100, \$6.00. Stock sale. Mrs. D. M. Gillespie, Clay Center, Kan.

#### WYANDOTTES.

BUFF WYANDOTTES. Prices cut for balance of season. Eggs from all our breeding pens at \$1.50 per 15, \$5.00 per 100. Baby chicks \$1.50 per dozen. Send for mailing list. Wheeler and Wylie, Manhattan, Kan.

#### LEGHORNS.

ROSE COMB WHITE LEGHORN eggs. Fifteen, one dollar. One hundred, five dollars. Mrs. C. S. Wade, Miltonvale, Kan.

#### SEVERAL VARIETIES.

48 VARIETIES. Poultry, Pigeons, Ducks, Geese, Parakeys, Guinea, Incubators, Dogs. Catalogue 4 cents. Missouri Squab Co., Kirkwood, Mo.

ROSE COMB RHODE ISLAND RED eggs. Pen A, \$1.50 per 15; Pen B, \$1.00 per 15. Barred P. Rocks, range stock, 75c per 15; \$4.00 per 100. Light fawn and white Indian Runner ducks \$1.00 per 12. C. J. Woods, Chiles, Miami, Kansas.

**BEEES for the FARM**  
Need little attention and pay big profits. If you are interested in them send for a sample copy of *Gleanings in Bee Culture*. Also a bee supply catalog. THE A. I. ROOT CO., Box 313, Medina, Ohio.

Clark's Spear Point Hooks Never Clog—Self Cleaning  
30 DAY OFFER ONLY—Factory will sell 5 improved fast-huskers at cost price to introduce new goods everywhere. Postpaid. Send \$1.10. Money back if not satisfied. H. F. CLARK, 54 W. Lake St., Chicago, Ill.

**Corn Huskers**

## "Marketing and Farm Credits"

A VALUABLE NEW BOOK—just off the press—reports the work of the First National Conference on Marketing and Farm Credits, held in Chicago April 8, 9 and 10, 1913—the most notable gathering ever assembled for the discussion and study of farm problems.

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Members who attended the first annual meeting of the Kansas Poultry Federation at Kansas Agricultural college June 25-26, 1913. The federation will hold a state show at Independence next January.

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## It's Fifty Years of Service

(Continued from Page 2.)

location, nearer the city; abolished Latin and Greek, greatly increased the work in chemistry, physics, botany, entomology, drawing and agriculture, added a daily hour of shop work or farm work to the curriculum and organized a domestic science course for women.

The new education was not popular at first. Strong opposition was encountered in Manhattan and all over the state, but Anderson and the board remained firm. Thus the college became in fact what it had been in name.

From 1879 to 1897, that is, during the presidency of George T. Fairchild, no radical changes were made in the course of study, but the work was systematized and strengthened in many directions. The college became a model technical school of recognized standing and the pattern for many other agricultural schools. At the close of this period, the enrollment had increased to 734 and the faculty to 12 professors and twice that many assistants and instructors. The main building (Anderson hall) and the library building (Fairchild hall) had been completed. Experiments in seed and variety testing and feeding had been well started, and the farmers' institute had become a regular feature of the college. Much valuable work was being done in scientific research in lines of crop production, entomology, horticulture and cattle feeding. It was a period of slow but constant and well-directed growth.

### President Will's Time.

In the spring of 1897, a new board inaugurated many radical changes by laying increased stress upon the study of financial, economic and social problems, and by organizing the curriculum into four professional courses—agriculture, mechanical engineering, domestic science and general science. President T. E. Will, who occupied the executive chair for two years, was a man of strong convictions, and his presidency marks the beginning of an era of broadening and diversification of the lines of instruction, a policy that has been adhered to from President Will's day.

In 1899, Prof. E. R. Nichols was elected president. During the decade that followed the institution experienced a period of uninterrupted growth that gained it recognition and influence, not only in Kansas, but in all parts of America. The college greatly increased its means of illustration, organized full courses in electrical engineering, veterinary science, civil engineering, architecture, horticulture and dairying, erected buildings of a substantial character and started to improve the magnificent experiment farm of 3,500 acres at Hays in Ellis county. It also established a poison laboratory for eradicating the prairie dog and the pocket gopher and a serum plant for preparing blackleg vaccine. Both of these were highly successful from the start. It has been estimated that 80 million prairie dogs were killed by poison sent out by the college, while the blackleg epidemic that used to prevail all over the state has practically been eradicated. More than 4 million doses of the blackleg serum were distributed by the college plant in some years.

### The Nichols Era.

The Nichols period also witnessed a rapid development of the work of the experiment station and the farmers' institute department. The former increased its efficiency through the purchase of more land adjoining the college farm on the north, where a section of fine agricultural ground was purchased in 1904 and 1909, and by the addition of 3,600 acres from the old Fort Hays reservation in Ellis county, given for this purpose by the general government. The institute department was put in care of Supt. J. H. Miller, who at this writing is being assisted by a faculty of a dozen instructors and experts and is pushing the extension work into every township in the state.

The attendance of the college increased constantly. In 1900 it was 1,094, in 1905 it was 1,462 and in 1910 it was 2,365. During this decade the college erected a new agricultural hall at a cost of about \$25,000, a physical science hall costing \$70,000, an auditorium costing \$40,000, a dairy hall costing \$15,000, a horticultural hall costing \$50,000, a veterinary science hall costing \$70,000, a

domestic science hall costing an equal amount, additions to the engineering building and shops costing about \$100,000, and a new water system costing about \$13,000.

President Nichols resigned in 1909 and Dean H. J. Waters, of the Agricultural College of Missouri, was elected chief executive. The four years of his presidency has been a period of still greater growth. The number of students increased from 2,305 in 1910 to 2,523 in 1912, and the graduating class from 133 to 204. This year the enrollment has reached the 2,924 mark, and there probably will be more than 250 graduates. Yet, the growth has not simply been an increase in numbers. Several new four-year courses and a well-attended summer school were organized, all the courses were strengthened, the college extension work was trebled, and the faculty has worked out complete plans for an increase of the entrance requirements to 15 points of high school work, and for the farther raising of the standard of the different courses. It has also organized three complete courses of vocational training covering three years each; namely, a course in agriculture, a course in shop work and a course in home economics.

During the presidency of Dr. Waters the college has built the beautiful \$125,000 Nichols gymnasium, a substantial stock-judging pavilion, a wing of the new agricultural building that, when completed, will cost half a million dollars, the "mechanical wing" of the engineering building, and several barns, with a large number of cheaper building improvements here and at the Hays Experiment station. The equipment of nearly every department has been greatly increased, an extensive engineering laboratory has been provided, and a serum plant has been established that has successfully engaged in a state-wide combat with the destructive hog cholera.

The Kansas State Agricultural college is now a half century old. Some time before the close of the present year the alumni, ex-students, ex-members of the board and the faculty, and the thousands of patrons and friends all over the state will be invited to come to Manhattan to celebrate this event. It will be a red-letter day in the history of Kansas. The Kansas Industrialist should be pardoned when it expresses its conviction that the institution has done its full duty and has repaid the efforts of its founders an "hundred fold," not only by teaching better methods of farming and engineering and thus increasing the wealth of the state, but also and chiefly by teaching better ways of living.

### Hay Baling—A Big Growing Business.

Since the advent of the motor press the business of baling hay has grown by leaps and bounds in all parts of the hay producing country.

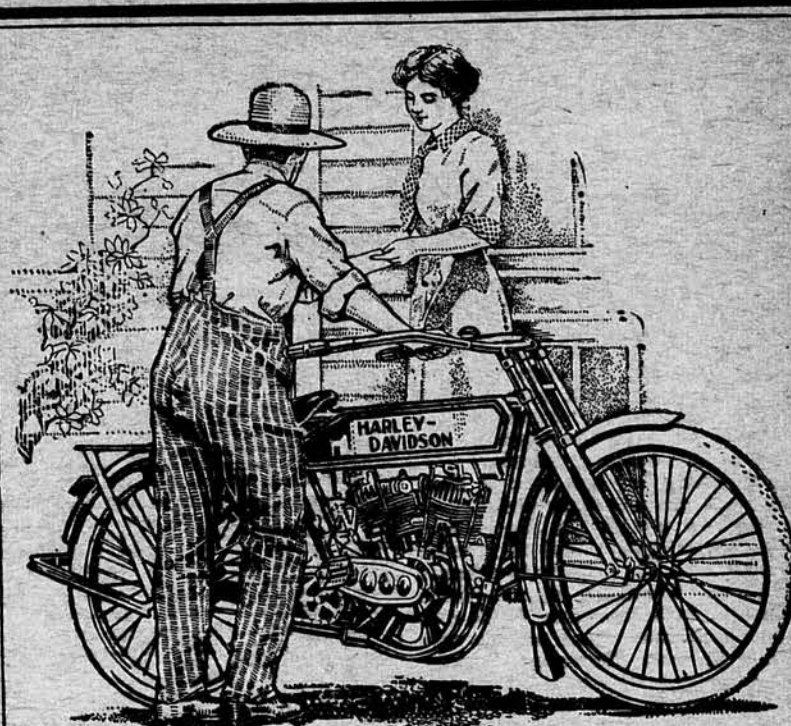
The modern press with its own motive power is not an expensive machine. And there's many a man who can afford to buy an outfit of this kind, or can afford to buy one for his son, paying from the profits of the machine.

There are men in the hay baling business making as much as \$18 to \$20 a day in the busy season. Some make \$8, \$10 and \$12, depending on conditions. One thing is sure there's good money in it for the man who is industrious and willing to work.

In some localities a number of farmers club together and buy an outfit for their own use. They find that the extra jobs they are called upon to do for their neighbors who are not interested financially in the machine, makes the outfit a self-supporting proposition. Meanwhile the members get most of their own baling done without cost.

The hay press is now used as a means to keep the boys on the farm. It is a money maker. The farmer who has a son can scarcely make a wiser investment than to buy that son a modern motor press and put the boy in a business that will make him more interested and contented with farm life because he's making money. And a man is usually satisfied when the money is coming in whether it's on the farm or anywhere else.—Chester Macomber in Exchange.

We like the Mail and Breeze very much and feel we cannot do without it as we are just beginning to farm for ourselves.—Mrs. Calvin Hawkins, Rocky Ford, Colo.



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But in buying a motorcycle, be sure and get one that is comfortable; one with which you can ride on rough roads as well as smooth. The

## HARLEY-DAVIDSON

is such a motorcycle. No motorcycle can do this unless the tension of the springs can be adjusted to just the right strength to carry the weight of the rider. No springs were ever built which, without adjustment, could properly carry all weights.

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## CROPS and FARM WORK

(Crop Reporting Service of Farmers Mail and Breeze.)

No more welcome rain has fallen this year than that which came the first days of the week—except for those farmers who were just ready to thresh or who had alfalfa down. Corn had not suffered as much as grass and pasture but a few more hot, dry days, the condition of the crop would have become precarious. The work of chinch bugs is beginning to show in the edges of unprotected fields adjoining wheat.

Some threshing has been done in Kansas and most markets have issued quotations on new wheat. In the eastern counties bottom land wheat is turning out excellent yields. In Pottawatomie county W. H. Washburn reports yields of 45 bushels on bottom land fields and 15 to 30 on upland. Good reports also have come in from Shawnee, Franklin, and other nearby counties. In Harper county the average yield will range between 10 and 12 bushels. In Mitchell county the crop is reported to be considerably better than the average for recent years. Scott county will have no wheat to harvest and J. M. Helfrick says farmers out there are turning to milking cows and raising stock in place of trying to grow grain crops. In Sheridan county only 10 per cent of the wheat acreage will be harvested.

Wheat yields in Oklahoma are ranging from nothing to about 30 bushels. In Kingfisher county the crop is making 8 to 20 bushels, McIntosh county 9 to 14 bushels, Tillman county 18 bushels, Grant county 7 to 27 bushels. There has been sufficient rain in most parts of the state to plow or list stubble where the wheat has been taken off.

### KANSAS.

**Saline County**—Wheat all cut and stacking well under way. Chinch bugs playing havoc with corn. Wheat at the mills 75 cents.—G. W. Holt, June 28.

**Rush County**—Dry and windy. Wheat harvest in progress. Hoppers doing some damage to corn and feed. Cream 23 cents, eggs 13, new potatoes \$1.60, old ones \$1.—J. F. Smith, June 28.

**Clay County**—Wheat cut and most of it good, but oh! the chinch bugs. Every farmer expects them to clean up corn, sorghum, millet and Kafir. Potatoes hurt by bugs and drouth.—H. H. Wright, June 27.

**Franklin County**—Wheat all harvested. Upland fields greatly damaged by chinch bugs but most bottom wheat was extra good. Some good oats. Still very dry and chinch bugs are injuring corn.—H. O. Cain, June 28.

**Coffey County**—Hot and dry. Good local shower first of the week. Corn growing fine. Oat and wheat harvest in progress. Will make fair crops. Chinch bugs doing lots of damage.—Mrs. A. H. Stewart, June 28.

**Linn County**—A 3 1/2 inch rain June 21. Fine prospect for a bumper corn crop if favorable conditions continue. Tame hay short. Oats very light. Bottom wheat good. Bugs numerous in spots.—C. T. Baker, June 24.

**Morton County**—Dry and windy. Crops growing and in most parts still have sufficient moisture. Pasture poor in parts. Barley not looking favorable. Hoppers doing damage in places. Many were forced to replant the second time.—Mrs. M. McGee, June 28.

**Mitchell County**—Very hot, dry and windy and everything suffering for rain. Wheat harvest begun and this week will see the bulk of it in stack or shock. Wheat is a good crop. Oats very light. Corn rolls up during the day but looks fresh in morning.—J. H. DePoy, June 28.

**Ford County**—Dry, hot and windy. Farmers harvesting wheat, which is a light crop here. Only 2 1/2 inches of rain since last spring. Corn growing but needs rain badly. Feed crops very late. Hoppers numerous. Wheat 87 cents, corn 53, eggs 13, cream 23.—John Zurbuchen, June 28.

**Harvey County**—Weather hot and windy. Wheat harvest finished and shock threshing well under way. The crop is making from 12 to 20 bushels and tests 56 to 61 pounds. Chinch bugs are killing a good deal of young corn. New wheat 75 cents, new potatoes 85, eggs 14.—H. W. Prouty, June 27.

**Crawford County**—Wheat threshing begun and crop proves very uneven. Bugs doing much damage to corn. Oat harvest about finished and crop is fair. Continued dry weather has the corn in critical condition. Local showers have relieved the situation in some localities.—H. F. Painter, June 28.

**Sheridan County**—Wheat harvest finished—not over 10 per cent of acreage will be cut. Barley cut short by dry weather. Fine rain June 23 came too late to help small grain. Corn never looked better. Immense acreage planted. Cream 24 cents, butter 24, eggs 13.—R. E. Patterson, June 24.

**McPherson County**—Wheat nearly all cut. Few farmers used binders. Oats short but headed fairly well. Corn small for the time of year but looks good where chinch bugs are not working. Pasture short and pretty well dried up but stock seems to do well. Abundance of grasshoppers. New wheat 75 cents, old 80, corn 51, oats 40, eggs 14.—M. D. Waldo, June 28.

**Lyon County**—Light shower June 24 helped grass and crops a little. Potatoes cut to half crop. Chinch bugs have destroyed strips of corn adjoining wheat fields. Most wheat cut and shocked. Cutting second crop of alfalfa. Pastures badly dried up. Stock doing fairly well.—E. R. Griffith, June 27.

**Wichita County**—Dry and hot. Large acreage of corn, milo and cane planted but everything at a standstill on account of dry weather. Only a little barley to harvest. The hoppers will destroy everything if dry weather continues much longer. Potatoes \$1.60, butter 20 cents, eggs 14, butter fat 23.—J. E. White, June 27.

**Shawnee County**—Dry and hot. Things look well. Wheat all cut and threshing will commence first of week. Oats and alfalfa being cut. Corn doing well where bugs are not bothering it. Some wheat on the hills was not cut as the bugs took it. Good wheat in the bottom. Wheat 80 cents, corn 55, butter 25.—J. P. Ross, June 28.

**Scott County**—Corn growing well. Grasshoppers cutting it down in places. No rain to speak of since June 10. No wheat to harvest here. More interest in milking cows, selling cream and raising stock than trying to raise crops. Feed crops backward. Hay is good. Insects more plentiful than for years.—J. M. Helfrick, June 28.

**Pottawatomie County**—Still hot and dry. Potatoes suffering most. Corn stands drouth fairly well. Wheat about all harvested. Threshers report yields of 45 bushels on bottom land and 15 to 30 on upland. Oats spotted. Grain made good growth up till June 15 but now turning brown. Alfalfa doing well.—W. H. Washburn, June 28.

**Harper County**—Windiest harvest in years. No rain yet. Very dry but corn holding out well. Kafir small and bugs are taking parts of fields alongside of wheat. Oats about a failure in the county. Wheat will average about 10 or 12 bushels. Pasture drying up and water getting scarce. A good rain would be welcome.—H. E. Henderson, June 28.

### OKLAHOMA.

**McIntosh County**—No rain for 38 days. Wheat making from 9 to 14 bushels, oats (Continued on Page 15.)

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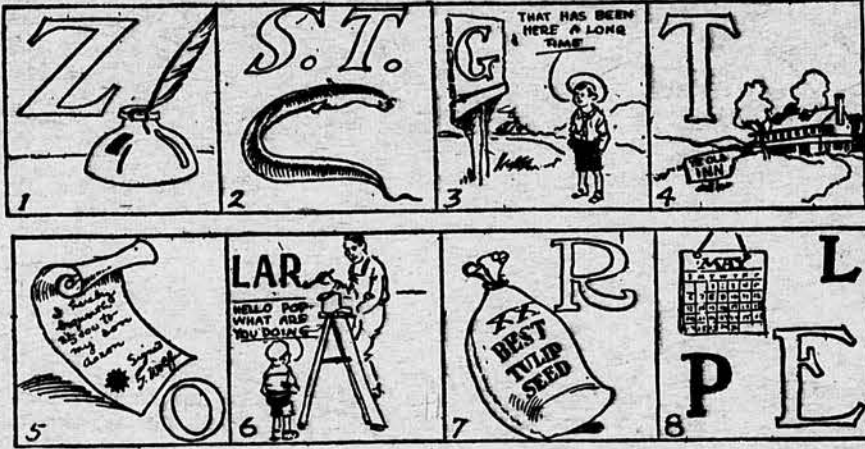
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## A Puzzle For Mail and Breeze Boys and Girls

THE first four pictures, that you see here, numbered 1, 2, 3, 4, illustrate the names of metals; the second four, numbered 5, 6, 7, 8, illustrate the names of trees. How many do you know? A set of post cards will be awarded for each of the 10 best solutions received by Friday, July 11. To your solution attach your name and address, then mail to Farmers Mail and Breeze, Topeka, Kan., being sure to mark the lower left-hand corner "Puzzle Department." **ENCLOSE NO OTHER BUSINESS WITH YOUR SOLUTION.** Prizes are awarded not only for your skill in solving the puzzle but for neatness, originality, and general care taken in preparing the answers.



The Sports Puzzle in June 21 Mail and Breeze illustrated (1) croquet, (2) golf, (3) billiards, (4) tennis, (5) bowling. The prize winners are Harold Brown, R. 10, Lawrence, Kan.; Rosey Posey Corner, R. 2, Hutchinson, Kan.; Harold Warren, R. 2, Hutchinson, Kan.; Mildred Stevenson, R. 1, Anthony, Kan.; Ralph Allen, R. 1, Neodesha, Kan.; Myrtle Lewis, Wigwam, Colo.; George H. Doane, Canton, Kan.; Ina Ranney, Gate, Okla.; Ora Courtney, R. 1, Castleton, Kan.

### Crops and Farm Work

(Continued from Page 14.)

12 to 28. Corn suffering more or less. Kafir still growing. Alfalfa light. Water getting scarce. Grass short.—H. S. Waters, June 28.

Harmon County—Local showers June 18, the first rain to amount to anything since April 26. Didn't get much in eastern part of county. Grasshoppers bad. Crops look fairly well. Some milo and cane planted since the rain.—I. E. Grant, June 20.

Tillman County—Nice rain June 22 but need another. Threshing on now. Wheat will average about 18 bushels per acre. Some fields made 26 bushels. Oats making from 10 to 20 bushels. Corn, Kafir, milo, cotton and all hay crops look fine. Wheat 78 cents, corn 50.—E. T. Austin, June 28.

Kingfisher County—Wheat nearly all cut and is threshing out 8 to 20 bushels of 53 to 58-pound wheat. Oats very poor—hardly worth cutting. Corn never looked better but needs rain. Early corn is in tassel. Cotton and Kafir good. Some complaint of chinch bugs but no widespread damage so far.—H. A. Reynolds, June 28.

Grant County—Local showers wet ground enough to list stubble and keep cultivated crops growing. Alfalfa not doing much

good. Threshing machines busy. Wheat making from 7 to 27 bushels. Tests from 48 pounds up. Hoppers and bugs destroying large acreage of Kafir. Wheat 65 cents and up.—F. E. Craighead, June 28.

Tulsa County—No rain for six weeks. Pastures dry. Stock losing in weight. Meadows 50 per cent short. Corn on strong land is not much damaged yet but on thin land will not make much. Kafir, cowpeas and cane are all right yet, also cotton. No late potatoes. Gardens practically gone. Oats and wheat in shock and will make fair yield.—W. H. Booth, June 27.

### Shorten the Road to Market

(Continued from Page 3.)

of the state association because it costs \$10 a year for the local elevator to join the state association. A co-operative association which cannot see more than \$10 worth of benefit a year in co-operation for an entire community of farmers needs fixing somewhere.

But notwithstanding these inherent difficulties the co-operative movement is daily justifying itself and saving millions yearly to the farmers of the grain belt. Just how fast it will grow depends on such men as read this little story and determine they will not voluntarily class themselves with the narrow obstructionists.

It will pay you to have your elevator company join our state association. The bankers all are in their state association. Likewise the grain dealers, the lumbermen, the merchants, the barbers and the bootblacks. When we farmers get help to the value of organized effort we will cut some ice every month in the year.

### Farmers Saving the Calves

The receipts of calves at the Kansas City stockyards during the spring show that legislation prohibiting the killing of calves is unnecessary. During the month of May, 1913, as reported in the Stockyards Nugget, the number of calves received was 3,757, as against 6,823 during May, 1912, or a decrease of nearly one-half. Cattle receipts were larger than a year ago by 6,797. This indicates farmers are holding their calves on the farms. Of course there is a reason for this. With ranchers and farmers contracting their unborn calves at \$25 to \$30 a head, they find it more profitable to keep their beef breeds than to sell to the killers. Aside from this retail butchers report a lessening demand, partly due to the general demand for cheaper meats. Veal is a high priced meat.

I like the Mail and Breeze fine. It is one of the best farm papers in the United States.—Nathan Johnson, Fulton, Mo.

## Write Quick & Cut Out Shoveling in Hot Harvest!

EVERY blessed farmer who buys his Sandwich Elevator before harvest gets double work out of it! This summer, it will store his small grain—then crib his corn next fall. You, too, can get double value—you, too, can cut out the senseless slavery of shoveling load after load till you drop. The Sandwich Farm Elevator is the best investment I ever made in hard labor-saving machinery," writes Herman Frey, Melvin, Ia.—one of an army who say the same.



## Sandwich (Eternal Cypress) Farm Elevator

Solves the hired-man problem and even lightens the house-hold work by cutting out the senseless slavery of extra men. And it pays you a profit too!

"Had my crop picked a bu. less on account of my elevator," says C. H. Keller, Marshall, Minn.

**50 Bushels in 3 to 4 minutes**  
The Sandwich fills your bins—your cribs—chucks to the top lickety split! Unloaded 50 bu. corn in 4 minutes," writes I. E. Orendorf, Heyworth, Ill. Others crib 40 bu. in 2 1/2 minutes with the Sandwich.

**No Leg-Breaking Platform**  
The Sandwich wagon-jack is overhead. "Works to perfection," says A. J. Anderson, Boone, Ia. You drive right under—with even the tallest load. And it dumps it in the hopper

in a jiffy. Then hitch on any power—horse or engine—and it's off with a flying start.

**Cypress Body Outlasts Steel**  
We make less money using "the wood eternal" but we make more friends and more sales. This is why it is called the Everlasting Sandwich and is fast crowding other elevators from the market.

**Write Right Now for FREE Book**

Last season we got lots of orders for 60 carloads we could not supply. These were from farmers who waited. They had to shovel. But they couldn't blame us. We warned them as we are warning you now! Our Elevator Book comes free by return mail the minute your request arrives, also the name of a Sandwich dealer close by. Address today 130 B St.

SANDWICH MANUFACTURING CO., SANDWICH, ILL.

## Ertel's Cyclone—3 Stroke Self-Feed Hay Press Bales with least labor

WILL BALE 20 TONS OR MORE A DAY AT COST OF ONLY 40c A TON. Make big money baling for your neighbors after yours is done.

The Cyclone is powerful, durable, repair-proof—made almost entirely of finest steel. Unbreakable steel baling chamber, adjustable tension, makes smooth, clean, tight bales, 75 to 125 lbs. as desired. Three strokes each circle. Self-feed. Works at stack, barn or windrow.

Here's the biggest money maker you can buy. Low price. Free trial and absolute guarantee on every press. Write today—full information free.

Geo. Ertel Co., 336 E. St., Quincy, Ill.

ADMIRAL 2-MAN PRESS

ADMIRAL HAY PRESS

## EX-PRESIDENT ROOSEVELT'S Famous Book AFRICAN GAME TRAILS

SENT POSTPAID ON RECEIPT OF \$3.75.

JOHN A. LARSON, ASSARIA, KANSAS

## I'LL LOAN YOU THIS PRESS

This famous 3-stroke, self-feed, 2-man, Auto-Fedan Hay Press is yours for 30 days free trial right in your own field—with your own help. If you will write me today, I want to prove to you that the Auto-Fedan will not only do more work and better work, with one-third the labor, but will save you from 20 to 30% of the expense of any hay press on the market. Write today for my Big Free Book. E.P. ROSS, Pres.

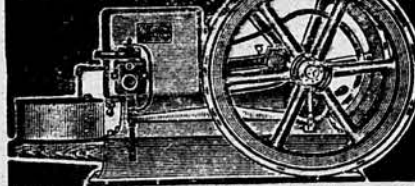
AUTO-FEDAN HAY PRESS CO. 1514 W. 12th St. Kansas City, Mo.

Two Men Can Run It

Send For My Free Book. Consign Us Your Hay

When writing advertisers mention Farmers Mail and Breeze.

## WITTE Engines 1 1/2 to 40 H.P.



### Cost Less!—Worth More!

Here's my new offer, direct from my factory to power users everywhere. No dealer's profits. Think of it! The highest standard engines for the lowest prices. Nobody else has these two things to offer together.

### DEPENDABLE POWER From Gasoline, Gas or Oil

WITTE engines have set the quality standard for 26 years. Better today than ever. 1 1/2 to 40 H.P., stationary and portable sizes. All have detachable cylinders, vertical valves, four ring pistons, electric ignition and other exclusive merits, without which no engine can now be high-grade.

### Start Without Cranking

The WITTE had that advantage 20 years ago. You don't even have to press a button. Don't be satisfied with any out-of-date engine. Don't risk any untried, new fangled devices with high-falutin' names. Be safe and sure. Let me show you

### How To Judge Engines

My new book shows the secrets. All made plain as A. B. C. It gives my 5-year guarantee and 60-day free trial plan. Tells you how to be safe in your engine selection, even if you don't pick a WITTE. It took me 46 years to write it, but you can get it quick—just send me your name—no money—and it will come by return mail.

ED. R. WITTE, WITTE IRON WORKS CO., 1545 OAKLAND AVE., KANSAS CITY, MISSOURI.

# Come and See the Cadillac Tract

This body of well located land, possessing responsive and productive soil, is situated in the best part of WESTERN MICHIGAN. It is offered in blocks of forty acres or more, with a few pieces, closer to towns, in tracts of ten and twenty acres. No description is more than five miles from some good town and railroad, and the bulk of it is closer than this.

The unimproved lands can be bought as low as \$20 per acre with some excellent pieces as low as \$15 per acre. Very easy terms will be accorded, monthly payments if desired. Taking all conditions into account, location, climate, soil, wide range of crops, pure and abundant water, steady and high priced home-markets, good roads and transportation facilities, there is nothing on the market today, that, dollar for dollar, can equal them.

In addition to the unimproved lands, we own or control a number of improved and partially improved places which we sell at reasonable prices. These places range in price from a few hundred to several thousands of dollars; all can be bought on terms.

Complete and accurate information, illustrated booklet, etc., will be sent free on request to

**SAMUEL S. THORPE, Owner**  
Room 2, McMullen Block, Cadillac, Michigan



## The WOMEN

Conducted by



**FOLKS**  
Mabel E. Graves

We want this department to be of practical use to the women who read Farmers Mail and Breeze. If you have any favorite recipe, any helpful hint, whether it concerns the family, the kitchen, the children, the house; or if you have anything to say which would be of interest to another woman, send it to the Home Department editor. Prizes for the three best suggestions received each week will be, respectively, a set of triple-plated teaspoons in the beautiful Narcissus design, a year's subscription to the Household magazine, and a year's subscription to the Poultry Culture magazine.

A. E. S., of Vinita, Okla., says, "I wish some of your readers would send in some, pretty quilt patterns." What do you say?

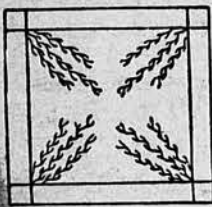
When canning beans let me suggest, after your jars are sealed dip the tops in melted paraffine.—Mrs. W. W. Hampton, Goshen, Ky.

It is cheering to know that in this year of our Lord, 1913, there are 32 states where local option laws are in force and nine which enforce absolute prohibition. There are only six states where liquor is sold under the old time license plan. And still there's more to follow.

"There have to be about so many kids die every Fourth of July," was the philosophical remark of a small boy who died a few days ago as the result of the premature explosion of a toy pistol bought for the Fourth. I hope there haven't been any bad accidents in our big Mail and Breeze family.

### A Good Pillow for Summer.

A pretty washable pillow cover may be made of large checked gingham. Work the squares with silk floss or with thread, beginning near the center of each white square, and working the design in feather stitch. Or the dark squares may be worked with white. My pillow is dark blue and white, the dark squares worked with white linen thread and the ruffle around pillow is



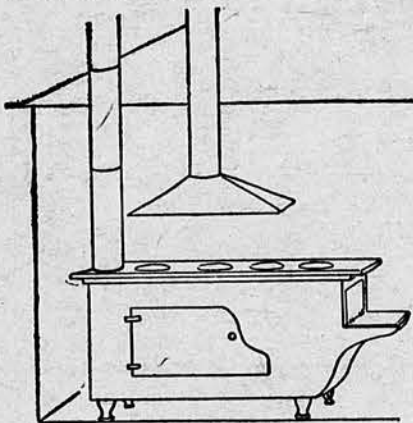
finished with linen edging. It is a very durable cover, easily laundered, and "just the thing" where there are children around or where the pillow is to go out on the porch or on the grass.

Mrs. C. M. Moser.

Dallas Center, Ia.

### Keeps the Kitchen Cool. [Prize Letter.]

My brother has invented a kitchen ventilator, which may be made and installed in any kitchen for a couple of dollars. It consists simply of a galvanized iron or tin pipe, cone-shaped at the lower end, and extending through the roof. The cone at lower end is 14 inches across, and is placed at a convenient



It Draws Off the Heat.

height above the stove. The top of the pipe should be protected by a chimney hood, and in the winter it may be closed with a flue stopper. But for at least five months of the year this ventilator is more than a convenience, it is a veritable blessing to the woman who must cook over the stove. The air passing through the pipe creates a draft which draws away the heat, smoke, steam and odors as if by magic, leaving the kitchen a pleasant place even in August.

Mrs. F. Pierson.

University Place, Neb.

### The Sweethearts of Yesterday.

A former Lincoln county woman, Mrs. Bessie A. Stanley, who is now in Kansas City, a few days ago wrote a letter to the Kansas City Star which is a classic—a letter of such unusual beauty of thought and diction that the Star paid it the highest of all newspaper compliments, top-of-column on the front page. Mrs. Stanley wrote in reply to an editorial lament for the vanished "old-fashioned" sweethearts of a generation ago. In part she said:

"And Mary, bless her, over tub and iron, bearing a heat June roses could not bear nor youth's illusions stand—to me the stream that wreathes her heated face has higher beauty than her wedding veil, and those moist drops upon her brow have meaning deeper than the orange bloom; for veil and wedding wreath mark a venture upon the untried seas of sentiment, with sails of vanity spread to the breeze of poverty; but her coronet speaks loudly of endurance, Love that stands life's hardest test.

These are the brides of yesterday, sweethearts today though commonplace and married; and as for Bill and Frank and John—I'm waiting supper for the "man who comes tired." He may be late, but that is our hour together and we'll wait for him. When he comes there are younger feet than mine that will reach him first, younger arms than mine that will be round him unashamed of neighbor eyes, but within the door the look his eyes have for me is best. We can sit together then and watch the others go by—the carpenter with his tools, the doctor with his case, the plasterer with his whitened shoes, the huskster with his wagon, the man in the auto—and we think we see the home light shining in



## Treat Them

to the treat of treats—always welcomed, by all, everywhere—

# Coca-Cola



sparkling with life—delightfully cooling—supremely wholesome.

## Delicious—Refreshing Thirst-Quenching

Demand the Genuine—  
Refuse Substitutes.

3-A

At  
Soda  
Fountains  
or Carbon-  
ated in Bottles.

Send for Free Booklet.

THE COCA-COLA COMPANY, ATLANTA, GA.

## Grind Your Coffee At Home



The perfect coffee is ground at home. The grocer's mill may have ground a dozen grades of coffee, whose leavings sift into your favorite blend. Moreover, ground coffee rapidly loses its strength and aroma.

### The Crystal A Sanitary Coffee Mill

Keeps your coffee in an air-tight glass hopper free from dust and deterioration. A turn of the crank and the coffee with all its delicious flavor intact goes into the pot. Slip your remittance in an envelope and the Parcel Postman will place one in your hands by return mail.

"The CRYSTAL"—Black enamel finish, \$1.00.  
Blue enamel \$1.50, Nickel Plated, \$1.75.  
"Crystal de Luxe," Oxidized Copper finish, \$2.

ARCADE MFG. CO., Dept. 20, Freeport, Ill.

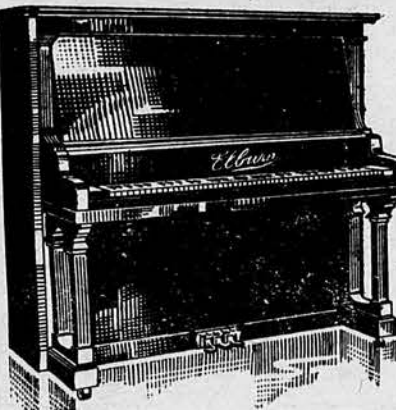


## Take a Little Vacation

and run up to Topeka—the Big Store will pay part or maybe all your railroad fare, according to the amount of your purchases. This is an excellent opportunity to take advantage of the many Special Prices on Summer Merchandise, and have a pleasant little trip at the same time.

**THE MILLS DRY GOODS CO.**  
Topeka, Kansas

## Dependable Pianos They Pay!



Amarillo, Tex.  
Gentlemen—Received the piano today. Got it in first class shape and think it is finest tone I ever heard. I know I have the best piano in Amarillo. I am well pleased with it. Thanking you for past favors,  
T. B. BURTON.

Dependable Pianos—made by factories of recognized reliability—sold strictly on their merits, and exactly for what they are—and not only warranted by the makers but by Jenkins—that's the way pianos are sold here. Strictly one price—and a popular price—a price that takes advantage of every saving that comes from perfect organization, economical selling methods and a tremendous volume of business—that's the Jenkins way.

### Steinway, Vose, Kurtzmann, Elburn

pianos on comfortable payments. Write for catalog and prices—\$125 and up. High class guaranteed Player Pianos \$435 and up. Call or write.

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

their faces and laugh with our neighbor when his little child runs to greet him and he lifts it up to greet the mother at the window. "Commonplace married people"—oh, well!

The June lad went by, the June girl on his arm. He was smoking, and her narrow skirt was split above a flaming undergarment. I sighed, but the man who comes home tired said, "Never mind, dear, they'll learn."

I certainly think the Mail and Breeze is the best paper published for western farming interests. Can't do without it.—W. H. Fulton, Bridgeport, Okla.

Emboss your stationery yourself with your own initial for only 25c. Write today for full particulars or send 25 cents for sample embosser, enclosing 4 cents for postage. Schrader's Supply Co., Cape Girardeau, Mo.

### DAISY FLY KILLER



placed anywhere, attracts and kills all flies. Neat, clean, ornamental, convenient, cheap. Last all season. Made of metal, can't spill or tip over; will not soil or injure anything. Guaranteed effective. Sold by dealers, or six sent prepaid for \$1.00.

HAROLD SOMERS, 150 DeKalb Ave., Brooklyn, N. Y.  
You can't keep a good thermometer down.



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Advertisements will be inserted in this department at the low price of 5 cents per word each insertion for one, two, or three insertions. Four or more insertions only 4 cents per word each insertion. Cash must invariably accompany the order. Remit by postoffice money order. No order taken for less than \$1. This does not mean that a single insertion of your ad must cost \$1, but that your total order must reach \$1. All advertisements set in uniform style. No display type or illustration admitted under this heading. Each number and initial letter counts as one word. Guaranteed circulation over 104,000 copies weekly. Everybody reads these little ads. Try a "Farmers Classified" ad for results.

### WHY NOT ADVERTISE YOUR LIVESTOCK ON THIS PAGE?

If you have a few pigs, a young bull or a Jersey cow to sell, this is the place to find a buyer. The rate is only 5 cents a word per issue. If you need anything in the way of breeding stock, try a small ad on this page.

#### HORSES, CATTLE, HOGS, SHEEP.

REGISTERED Jersey bulls. Sable & White Stock Farm, Seward, Kan.

THREE JACKS and three jennets for sale. E. Brown, Mineola, Mo.

TWENTY or more yearling steers for sale. Address S. H. Miller, Guymon, Okla.

REGISTERED Shropshire rams, Duroc boars, cheap. Arthur Bennett, Topeka, Kan.

TWO registered Holstein bulls, serviceable ages, choice ones, priced right. F. J. Searle, Oskaloosa, Kan.

FOR SALE—10 extra fine, Dec., Poland China boars. Herd headers. Otis Warrenburg, Centralia, Kan.

REGISTERED Tamworth pigs, immunized from cholera, two months old, \$10.50. Howard Pendleton, Yukon, Okla.

SOME choice Jersey bulls that must be sold quick. Two nearly ready for service. Chester Thomas, Waterville, Kan.

FOR SALE—A four-year-old imported black Percheron stallion. A bargain and guaranteed. T. H. Smyth, Beloit, Kan.

HAMPSHIRE Male pigs. Nicely belted and registered. Express prepaid to any point in Kansas, \$10.00. R. C. Krueger, Burlington, Kan.

#### FOR SALE.

TRANSFER and storage business for sale in good town. Address N. care of Mail and Breeze.

FOR SALE—Avery 20-35 gas tractor and 5 bottom self-propelled plow practically new. Wolfe Bros., Lewis, Kan.

THREE GREAT PIANOS—Steinway, Steck, Vose. Write for prices. Jenkins Music Co., Kansas City, Mo.

THE Rocky Mountain Hog Cholera Preventative never known to fail. Address Fred Westervelt, Briggsdale, Colo.

FOR SALE—Blacksmith shop tools and material; for further information address D. L. Thompson, Burns, Kan., Marion Co.

20 H. P. International gasoline plow outfit, slightly used; easy terms; would consider first mtg. on land. Box 14, Winona, Kan.

ALFALFA—Samples and prices of native grown, non-irrigated "Acorn Brand" alfalfa seed. Ross Brothers Seed House, 301 E. Douglas, Wichita, Kan.

SINCE I have no use for it, I offer for sale one "Little Giant" wagon dump and grain elevator. New, never been used, at a sacrifice. Frank Weeks, Assaria, Kan.

FOR SALE—A cash grocery in a western Kansas town of 1,700. Send your name and learn how you can get all the information you want before investing any money. Address Owner, care Mail and Breeze.

#### FOR SALE OR EXCHANGE.

A GOOD threshing outfit to trade for land. Also some nice irrigated land in the Laramie valley, Wyoming, to trade for land in western Kansas. W. J. Trousdale, Newton, Kan.

FOR SALE OR TRADE—Home in central Kansas town on Santa Fe. House 8 rooms, brick bungalow, cost \$6,000 3 years ago, strictly modern. Good clean low-cost town to live in. Electric light and water. Will trade for good farm land. Address C, care Mail and Breeze.

FOR EXCHANGE—A fine irrigated farm in southern Col. Ample water, old ditch, fully paid up. Well located new improvements, in artesian belt, produces immense crops, never fails, a splendid stock country, a delightful climate, will stand the closest investigation. Want income. Kan or Mo. land. R. G. McCoy, owner, Formoso, Kan.

#### FARMS WANTED.

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.

#### LANDS.

45 ACRES, improved, four miles out, \$4,700. W. R. Axtell, 1352 Mulvane, Topeka.

QUICK SALES, exchanges. Large property list. Write John L. Maurer, Omaha, Neb.

FARMS in any state, for sale at a bargain. W. Broadus, Box 77, Leavenworth, Kan.

SEND for map and illustrated description of Anderson county and free list of farms. Bronston & Sons, Garnett, Kan.

SECURE 160 acres of valuable government land near Los Angeles. Particulars free. Thos. Wilcox, 1338 Hope St., Los Angeles, Cal.

SELL YOUR PROPERTY quickly for cash. No matter where located. Particulars free. Real Estate Salesman Co., Dept. 5, Lincoln, Neb.

IF YOU are looking for a bargain in north Missouri farms, between Chillicothe and Brookfield, write John Billington, Meadville, Mo.

DELAWARE, the diamond state. New booklet; unusual opportunities; ideal homes. Fruit, or diversified farming. State Board of Agriculture, Dover, Del.

FOR SALE—Great bargain, 160 acres Labette Co., 6 miles from Cherryvale, well improved, 50 acres alfalfa land, \$30, terms. W. S. Hannum, Cherryvale, Kan.

TEXAS STATE LANDS—\$1.50 to \$5.00 acre; one-fourth down, balance forty years; information and Texas map free. Journal Pub. Co., Houston, Texas.

PAWNEE VALLEY STOCK FARM. Double Standard Polled and horned Herefords. 100 bulls, singly or car load lots. Write your wants, Walce Libbey, Larned, Kan.

16 ACRES, house, barn, large stream water, good well, two producing oil wells. Fine for market garden. Partly fenced. One mile from Mrs. Emma McCoy, 716 W. 10th St., Coffeyville, Kan.

300 ACRE farm, joins city limits; 100 alfalfa, 100 acres wheat, balance timothy and clover and pasture; large 5-room dwelling, large barn, bins, cribs, never failing water. Terms, address owner, Lock Box 496, Altoona, Kan.

PATENTED state school lands, McMullen county, Texas. Fine climate, fertile soil. \$15.00 per acre. Only \$1.00 per acre cash, balance 10 yearly payments. F. A. Cannable, trustee, 516 Commercial Bank Bldg., Houston, Texas.

ADVERTISE YOUR PROPERTY in Kansas Weekly Capital for quick and sure results. 200,000 circulation guaranteed—among best farmers in Kansas. Advertising rate only 5c a word. Address Kansas Weekly Capital, Adv. Dept., Topeka, Kan.

FOR SALE—40 acres in the Ozark fruit belt of northwest Ark. 4 miles from Fayetteville, 1 1/2 miles to R. R. station; fair improvements; 10 acres strawberries, 1 acre blackberries; fine springs; 20 acres 1/2 mile from above; 40 acres new land, 2-room house; both tracts a bargain for \$1,800. For particulars and terms address C. W. Adams, Route 2, Fayetteville, Ark.

TEXAS LAND on 15 years' time. Farms in 20, 40, 80 and 160-acre tracts, north of Houston, in the famous southeast Texas Coast Country, at \$30 to \$35 an acre, selling on terms of \$1.50 an acre cash and balance in payments running fifteen years. Possession at once. Railroad through land; store, post-office and station. Fertile soil—produces money-making staple crops of corn, cotton, potatoes, peanuts, cane, as well as truck and fruit crops that net \$100 to \$300 an acre. Mild climate; two crops a year; splendid hog and cattle country; pure water, ample rainfall, no irrigation needed; good markets. Greatest opportunity ever offered the land, and investors, to get a real farm—not a truck patch. Sale just opened. Write today for free maps, plats and illustrated literature. C. L. Peirce, owner, 251 First National Bank Bldg., Houston, Texas.

#### TOBACCO STEMS.

TOBACCO STEMS. \$2.00 per case of 100 lbs. or over. Good for sheep-dip and exterminating lice on chickens and insects on all vegetation. C. S. Eagle, 710 Jackson St., Topeka, Kan.

#### SEEDS AND NURSERIES.

WHIPPOORWILL cowpeas re-cleaned and good seed \$2.25 per bu. Herman Ruppel, Inola, Okla.

NICE Whippoorwill cow peas \$2.75 bushel, sacked; freight paid in 5 or 10 bushel lots. Now's the time to plant. Brooks Wholesale Co., Ft. Scott, Kan.

FOR SALE—Red clover, timothy, and blue grass farms, good terms, rich soil. Write for list. Tannehill Brothers, Garden City, Mo., Cass Co.

#### SALESMEN WANTED.

SALESMEN WANTED in every county. Liberal terms; cash weekly. Outfit free. Write for terms. Fayetteville Nurseries, Dept. 2, Fayetteville, Arkansas.

SALESMEN—To sell high grade guaranteed groceries at wholesale direct to farmers, ranchmen and all consumers. Earn \$4 to \$10 and up per day. A big chance to get into business for yourself. Save the buyers the retailer's profit. Every customer is a permanent one. Demand constantly increasing. Latest plan. F. M. Hitchcock-Hill Co., Chicago.

#### AGENTS WANTED.

CAN USE a few old experienced salesmen for Oklahoma and Kansas to act as special representatives in good territory. Write Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

AGENTS, special representatives. Good money for live energetic salesman to sell the Turner Tubular Gasoline or Locust torch to farmers and ranch owners. Recommended by the Kansas State Agricultural college. Address: The Turner Brass Works, Sycamore, Illinois.

#### HELP WANTED.

U. S. GOVERNMENT POSITIONS open to men and women. \$65 to \$100 month commencing. Vacations. Steady work. Over 12,000 appointments this year. Parcel post requires several thousand. Influence unnecessary. Write immediately for free list of positions. Franklin Institute, Dept. P 53, Rochester, N. Y.

#### MALE HELP WANTED.

CITY MAIL CARRIERS—Postal clerks—wanted. Commence \$65.00 month. Apply Franklin Institute, Dept. P 53, Rochester, N. Y.

WANTED. Reliable men to sell nursery stock. Outfit free. Liberal terms. Pay weekly. Experience unnecessary. Chanute Nurseries, Chanute, Kan.

WANTED—Postal clerk-carriers, postmasters, railway mail clerks, rural carriers, internal revenue clerks. Trial examination free. Write Ozment, 38, St. Louis.

SALESMEN wanted in Kansas, Oklahoma, Missouri and Arkansas. Work full or part time, as you prefer. Pay weekly. Outfit free. The Lawrence Nurseries, Lawrence, Kan.

4TH CLASS POSTMASTER positions now open to everyone. Examinations everywhere may be called any time. Write for full description. Franklin Institute, Dept. R 51, Rochester, N. Y.

YOUR opportunity to learn salesmanship quickly. We want ten more good men to act as special representatives in the best territory in Oklahoma and Kansas. Will pay extraordinarily liberal commissions to start. Send one bank reference with application. Address, Circulation Manager, Farmers Mail and Breeze, Topeka, Kan.

LOCAL REPRESENTATIVE WANTED. Splendid income assured right man to act as our representative after learning our business thoroughly by mail. Former experience unnecessary. All we require is honesty, ability, ambition and willingness to learn a lucrative business. No soliciting or traveling. All or spare time only. This is an exceptional opportunity for a man in your section to get into a big paying business without capital and become independent for life. Write at once for full particulars. National Co-operative Realty Company, L 157 Marden Building, Washington, D. C.

#### WANTED.

WANTED chicks and ducklings any size or quantity, highest prices paid on fancy stock. State what you have. Shelton & Co., Denver.

WANTED—A stock ranch or dairy farm, fully equipped, on shares or salary by a graduate of the Kansas Agricultural college who is an experienced farmer. Address J. S., care Mail and Breeze.

#### OILS.

WRITE us for prices on oil and greases. Complete line; lowest prices; immediate shipments. The Neosho Valley Oil Co., Chanute, Kan.

#### AUTO SUPPLIES.

40% TO 75% saved on tires. Printed guarantee for 2,500 miles with every tire. Generally run 3,000 to 6,000 miles. Every tire re-made by hand, free from imperfections and blemishes of all kinds. Our prices, 28x3, \$6.87; 30x3, \$7.35; 30x3 1/2, \$10.46; 32x3 1/2, \$10.96; 34x4, \$14.90. All sizes. All makes. Write for free catalogue and price list. Give size used. Peerless Tire Co., 1588(C) Broadway, New York.

#### PATENTS.

SEND FOR FREE BOOKLET, All About Patents and Their Cost. Shepherd & Campbell, Patent Attorneys, 500 C Victor Bldg., Washington, D. C.

IDEAS WANTED—Manufacturers are writing for patents procured through me. 3 books with list 200 inventions wanted sent free. Advice free. I get patent or no fee. R. B. Owen, 34 Owen Bldg., Washington, D. C.

#### KODAKS AND SUPPLIES.

BUY kodaks and all supplies direct from A. B. Paine Co., Fort Scott, Kan., and save money. Twenty-eight years in this business. Catalogs free.

#### DOGS.

SCOTCH COLLIES. Western Home Kennels, St. John, Kan.

#### MISCELLANEOUS.

E. R. BOYNTON HAY CO., Kansas City, Mo. Receivers and shippers. Try us.

MISSOURI AUCTION SCHOOL, largest in world. Own largest living mule. 1404 Grand, Kansas City.

PLACES found for students to earn board and room. Dougherty's Business College, Topeka, Kan.

SOMETHING NEW. A dandruff remedy that makes good. Write for information. Leader Supply Co., Box 723, Dep. 5, Poplar Bluff, Mo.

THE ANDERSON LOADER, loads manure, cornstalks, stackbottoms, dirt, gravel, sand; no hand work. Write Anderson Mfg. Co., Osage City, Kan.

YOU GET A GOVERNMENT JOB. "Pull" unnecessary. Thousands of appointments coming. List of positions free. Franklin Institute, Dept. P 53, Rochester, N. Y.

HAVE YOU a little money to invest in a gilt-edge proposition that conforms to all the requirements of the Kansas Blue Sky Law; \$10 cash and \$5 per month? Write "Investor," 627 Quincy St., Topeka, Kan.

POULTRY MAGAZINE—Big 40 to 80 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, 904 Jackson, Topeka, Kan.

#### LEGAL.

MEETING OF KANSAS GRAIN GRADING COMMISSION.

Notice is hereby given that under the provisions of Chapter 222 the board of grain grading commission will meet at the office of the Governor in Topeka, on the 29th day of July, 1913, and establish the grades of grain to be known as Kansas grades; to be in effect on and after the first day of August, 1913.

J. G. MAXWELL,

THOMAS PAGE,

A. T. RODGERS, Secretary.

Grain Grading Commission.

## Into Farm Profits First

### New "Office of Markets" Begins Work

IT IS announced officially at Washington that the newly established Office of Markets, in the department of agriculture, is about to begin its work. What happens to produce from the time it leaves the producer until it reaches the consumer, is one of the first phases of marketing that will be investigated. A specialist on marketing perishable produce will investigate prices received by producers, cost of shipping and storage, change of ownership, accumulated charges, profits and other elements. This specialist will determine the feasibility of a market news service dealing with perishable products, also the best

method of making statistics of supply and demand useful to farmers or truck gardeners.

Other specialists will study co-operative organizations of producers and consumers, including co-operative marketing associations of farmers and buyers, co-operative stores, etc. They will give special attention to communities that deal in special products, and will assist in forming new co-operative enterprises. An expert in co-operative accounting will assist these organizations to work out a good system of bookkeeping, to establish cost systems, and follow-up methods of handling goods shipped.

Men who have had as much railroad shipping experience as division freight agents will assist producers in obtaining proper freight rates, routing and the speedy and cheap moving of produce to centers of wholesale and retail demand.

Special attention is to be given to the milling, marketing and utilization of cottonseed. A specialist will gather information for the successful organization and operation of oil mills by co-operating producers. Also he will endeavor to find new uses for cottonseed and its manufactured products.

Specialists familiar with the marketing of cotton in Texas, Arkansas, Oklahoma and other cotton states, will devote their attention to improving trade in cotton and devising improved methods of handling and selling cotton and seed cotton.

### Let the Boy Try His Hand

When a young fellow has finished an agricultural college course and returns to take up his work on the old farm, give him the right hand of fellowship, says a writer in the Philadelphia Farm Journal. More than one bright young man has been discouraged, and sent away from the farm, by some old relative or family friend interfering with his business and leading the old folks to believe that he was going wrong. Though he may not tell you so, in words, the young fellow has come home with the intention of making the old farm the best place on earth. Such a young man needs encouragement. If you can't give him a few kind words, keep your mouth closed. Don't discourage the boy's initiative. Give him a show to work out his ideas.



# 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.

WRITE J. M. McCown, Emporia, Kansas, special bargain list, farms and ranches.

FOR SALE—Imp. 1/2 sec. stock farm. Also wheat quarter. J. H. King, Cawker City, Kan.

320 A., finest stock and grain farm east—Kan. Watkins Company, Quenemo, Kan.

MORTON COUNTY—Write for new list of maps and information regarding this country. Luther & Co., Rolla, Kan.

FOR EXCHANGE—900 a. fine land, Wharton Co., Tex. Want Cen. or E. Kan. land. Write for information. Walter Hanson, Sabetha, Kan.

320 ACRES Franklin Co., Kansas. 1 mile town, new house and barn, good location. \$60 a. A. E. Clark & Son, Pomona, Kan.

GET on the new R. R., where land only sells for \$10 to \$15 per a.; best land in state; fine water. Life Real Estate Co., Hugoton, Kan.

120 A. 5 mi. out, fine impr.; 75 a. in cult., bal. timber and pasture. \$50 per a. 4 a. 1 mi. out, well impr.; \$1,600. Both clear. No trade. J. A. Decker, Valley Falls, Kan.

160 A. 2 miles town, 1/2 mile school; 7 room house, large barn, 100 a. bottom; 40 a. alfalfa; fine orchard, fine improvements, nice home. Price \$65 per acre. GILE & BONSALE, South Haven, Sumner Co., Kan.

160 A. 5 1/2 mi. Meade. Good 4 r. house, cellar, cave, stable, sheds, chicken house, 1,500 bu. granary, well, windmill, orchard, small fruit, 1/2 mi. school. Snap \$4,000. No enc. Terms. A. H. Borton, owner, Meade, Kan.

CLARK CO., KAN. 800 a. 7 mi. south of Bloom, 12 of Minnesota; 400 broken and planted 1913. About 200 a. and grazing; inexhaustible springs; fenced 45,000. Terms. Owner, Robt. C. Mayse, Ashland, Kan.

360 A. in Franklin Co., 2 miles from railway; 6 room house; barn; other buildings; 1/2 cult.; bal. meadow and pasture. \$40 acre. Porter Land Co., Ottawa, Kansas.

ARK. land 444 a. sandy loam adjoining town of Washington; large house, 4 tenant houses, fine timber, plenty water, 80 a. Bermuda grass. \$25 a. Terms. Write for list. Horton & Co., Hope, Ark.

240 ACRE farm southeastern Kansas, 3 1/2 mi. of town. Two sets of imp., fine location, good water, shade trees; one set of imp. are first class, no better. Price soon \$65. Will carry \$5,000 to \$6,000 at 6%. Fred L. Kent, Uniontown, Bourbon Co., Kan.

COME TO MARION, KAN., the ideal home town. Can sell you a choice plot 150x250 ft., with two-story frame house, eight rooms (one unfinished) modern improvements, except bath tub; good barn, on corner, paved street, fine old shade, handy to high school; price \$3,000. Terms. Here is merit for a home or for investment. Box 117, Marion, Kan.

FOR SALE BY OWNER. 16 quarters, adjoins German settlement Minnesota. Small pay, bal. 8 years 6%. Write at once. Box 317, Minneola, Kan.

COFFEY COUNTY, EASTERN KANSAS. Good homes and investments. Corn, tame grass and ranch lands, \$30 to \$60 per a. List free. LANE & KENT, Burlington, Kan.

FOR SALE. 320 acres level wheat land \$9.00 per acre. Carry 1/2 on land. Also many other good bargains in corn, wheat and alfalfa lands. L. E. PENDLETON, Dodge City, Kan.

ALONG THE NEW RAILROAD. IN THE SHALLOW-WATER COUNTRY. Large and small tracts, improved and unimproved ranches, on easy terms, in Haskell, Grant, Stanton, Stevens and Morton counties, Kansas; Texas county, Oklahoma; and Baca county, Colorado; ALONG THE NEW RAILROAD NOW being built by the Santa Fe from Dodge City to Colmar, N. M. GET MY PRICES AND TERMS. FLOWING ARTESIAN WELLS — INEXHAUSTIBLE UNDERFLOW. Agents wanted. DON VAN WORMER, Rolla, Kansas. Richfield, Kansas.

MUST SELL. 162 acres in Franklin Co., Kansas, 1/2 mile of town, 80 a. creek bottom, 40 acres in blue grass, 10 acres clover, 7 room house, barn and other outbuildings. 8 acres timber, 118 acres in cultivation, price \$62 per acre; \$2,000 down, remainder long time at 6% interest.

125 acres 3 mi. of town located in Franklin Co., Kansas. All tillable, 5 room house, barn 30x40, other good outbuildings; 2 never failing wells, price \$70 per acre. Small payment down, remainder at 6% interest.

80 acres located in Franklin Co., 1 mile of Ottawa, Kansas. All tillable, 65 acres in cultivation, price \$90 per a. Rental \$8 per a. Write for land list. MANSFIELD LAND CO., Ottawa, Kan.

ALFALFA FARMS Write for list of farms and ranches near the best college town in the state. T. B. GODSEY, Emporia, Kan.

For Land Bargains on new railroad in Gray County, write C. A. LIVINGSTON LAND COMPANY, Montezuma, Kansas. "Special List to Dealers."

Ranch For Sale or Lease 640 acres, 7 miles from county seat town, on new Santa Fe railroad. All fenced and 160 acres in cultivation. Good well. Will sell for \$10.00 per acre or will lease to right party. Address Box 704, care Mail and Breeze, Topeka, Kan.

AGENTS WANTED, to sell Neosho Valley corn and alfalfa lands. \$40.00 to \$60.00 per a. G. W. Clark Land Co., Chetopa, Kan.

BARGAIN: 80 a. imp. 4 miles out. \$3,800. Send for land list. F. C. LIBBY, Blue Mound, Linn Co., Kansas. J. L. Wilson, Salesman.

\$55 PER A. buys 320 a. 5 mi. Wakefield. Well imp., fine water. 185 a. cult., 70 a. fine creek bottom. 5 a. timber, 110 prairie, some alfalfa. J. C. Weaver, Wakefield, Kan.

AT \$11.00 PER ACRE. 12,000 a. ranch in Meade Co., Kan. 1,000 in cult., over 50% tillable, plenty water and grass, only 2 mi. from town. Terms on part; will divide nicely into smaller farms. Fraile Bros. Realty Co., Bremen, Kan.

I HAVE the finest grain, stock, and alfalfa farms in Sumner county, from \$45 and up, per acre. Well improved. Good water. Fruit and vegetables. Write me what you want. Information free. I also make exchanges. Write H. H. Stewart, Wellington, Kan.

FARMS FOR THE POOR. Imp. E. Kan., Neb. and Mo., EASY PAYMENTS, or exch. Also Topeka homes. Kaw Valley Exchange, 104 E. 8th, Topeka, Kan.

COMANCHE COUNTY BARGAIN. 430 a. improved, 9 miles from Coldwater. 173 a. fine growing wheat, all goes, for quick sale, price \$27.00 per a. Terms if desired. C. A. HEATON, Larned, Kansas.

MONEY-MAKERS AND GOOD HOMES. Lands in Oklahoma, Texas and Kansas for sale, no exchanges. City property and stocks of mdse. to exchange. List free. JABEZ F. BRADSHAW, Lenexa, Kan.

ALFALFA AND WHEAT LANDS at \$20 up. Grass lands \$10 up. Crops are good; prices are rapidly advancing—NOW'S the time to buy. List free. A few exchanges considered—they must be gilt edge. WILLIAMS & PICKENS, Meade, Kan.

STOCK RANCH IN CHASE CO., KANSAS. 1,324 acres, 4 miles from railroad; 150 acres cultivation, some alfalfa; balance finest bluestem; fine springs and stream; improved; price \$5,000. Terms; no trades. Other farms and ranches. J. E. BOCOOK, Cottonwood Falls, Kan.

LINN COUNTY FARMS. Biggest bargains in Kansas. Corn, wheat, timothy, clover, bluegrass land \$15-\$30. Coal, wood, gas, abundance good water. Fruit, everything that goes to make life pleasant. Large illustrated folder free. EBY-CADY REALTY CO., Pleasanton, Kan.

HAY FARM FOR SALE. 160 acres of land 3 miles from Colony, Anderson Co., Kansas. 100 acres in native meadow, 15 acres pasture, 45 cult., improved with house and barn, good water. The hay alone has been making \$500 per year. Am offering this at the low price of \$40 per acre as I have other interests and cannot see to it. For sale only. Address J. F. RESSEL, Owner, Colony, Kansas.

EXCHANGES—all kinds—free list. Foster Bros., Independence, Kan.

TRADES everywhere. Get our large list. Burrows R. E. Ex., Warm Springs, Ark.

\$16,000 GENERAL merchandise, never changed hands; for good Kansas land. A. W. BREMEYER & CO., McPherson, Kan.

WANTED GOOD FARMS in exchange for first class Kansas City income property. List your farm. O. F. Hunter, Independence, Kan.

FOR SALE—Choice wheat, corn, and alfalfa lands, in Clark, Ford, and Meade Cos. Write for list, trades. NATE NEAL, Real Estate, Minneola, Kan.

FARMS, stocks, and city property for sale or trade. What have you to offer? Bigham & Ochiltree, 802 Corby-Forsess Bldg., St. Joseph, Mo.

GIVE ME full description of any really good property you wish to trade. I am in a position to do business. John D. Jones, Plains, Kan.

RANCH, 1,880 acres, modern improvements, 300 acres alfalfa land, Trego Co., Kansas. \$25 acre, want smaller farm. Buxton, Utica, Ness Co., Kansas.

WILL TRADE 320 a. impr. farm in Trego Co., price \$30 per a., inc. \$2,600, for a farm in eastern Kansas or good business. Make offer quick. This is a good place. W. A. Doerschlag, Ransom, Kansas.

FOR SALE OR EXCHANGE. Good wheat and alfalfa land in Ford and adjoining counties. Nothing but tangible propositions considered. Give full description in first letter. Prices \$15 to \$40 per a. Ranches for colonizing. G. L. Painter & Co., Dodge City, Kan.

FOR SALE AND EXCHANGE. Washington Co. improved farms at \$50 to \$180 a. Write F. E. Beeson, Washington, Kas.

FOR SALE OR TRADE 20 acres, well improved, in good location, near Emporia. Lot and 2 story stone store building on main street of Emporia, rented. Will trade either or both properties for suitable, well improved, larger farm. Send full description and cash value of your farm to E. R. GRIFFITH, R. R. 5, Emporia, Kansas.

YOUNG FARMER'S CHANCE To trade a farm for a well established business in a thriving little town in West Central Kansas. Real estate and insurance, notary public, grain elevator, residence and office. Postoffice in building with a chance at it. Stock of John Deere and I. H. Co. implements, total about \$7,000. Address "P," care of Mail and Breeze, Topeka.

HOMESEEKERS attention. A party is going to California for health; will sell his farm at a big sacrifice, only a small payment down. Kysar Realty Co., Goodland, Kan.

SOME BARGAINS: I am going to change my location and I have three farms to sell, and must sell regardless of price. Write for price and terms. J. D. Reneau, La Cygne, Kas.

320 A. good land in Stevens Co., Kan. 6 r. house, stable, well and mill; fenced; 100 a. cult.; ideal stock or dairy farm; carry \$1,250. If desired. John A. Firmin, Hugoton, Kan.

SEDGWICK COUNTY FARM BARGAINS. 80 a. farm near R. R. town, good 6 room house, large new barn, orchard, fine water, good land, only \$4,500.00. Terms, one-third crop. 145 acre farm, good house, 2 barns, best land, \$58 per a. Terms to suit. 21 a. bottom farm, good house, barn, 12 a. alfalfa, in suburbs of Wichita, \$6,500. 230 a. bottom farm—an alfalfa proposition; soft water, 15 feet any place on farm. \$50.00 per a. Terms to suit. Call or write H. E. OSBURN, 227 E. Douglas Ave., Wichita, Kan.

FOR SALE, FINE DAIRY FARM 160 a. highly imp. half ml. county seat town 4,000 pop. Only milk route. Fully equipped. 40 a. alfalfa. Creek. Big money maker. Write for details. V. A. OSBURN, Eldorado, Kansas.

Good Quality at Low Cost 235 acres near Garnett, Kansas, most bluestem meadow, low price. 60 acres, well improved, 3 mi. of town, subject to one year lease. 160 acres, 1/2 ml. of town, well improved. SPOHN BROS., Garnett, Kan.

## LOUISIANA

DON'T be a renter; we sell finest improved corn land in North Louisiana on 15 years' time. Write HUGO JACOBSON, Salina, Kansas, immigration agent.

LOUISIANA LANDS. We offer some bargains in Louisiana lands near Shreveport. Write for free map of state. W. A. Jones, Shreveport, La.

## FLORIDA

FOR SALE BY OWNER: Four very desirable improved pieces of property in Alachua county, Fla. 90, 20, 30 and 30 acre tracts on large lake. Not to be classed with the ordinary Florida lands being offered for sale. Terms to suit customers. T. S. McManus, Waldo, Fla.

## NEW YORK

WE HAVE all kinds of farms for all kinds of people. Bargains coming every day. Write for catalog. Hall's Farm Agency, Owego, Tioga county, N. Y.

# FOR SALE OR EXCHANGE

GROCERIES for land or land for mdse. F. Gass, Joplin, Mo.

TWO FINE quarters on new R. R. east Gray Co., for clean genl. mdse. or good hotel. Box 81, Dodge City, Kan.

NEW TOPEKA RESIDENCE to trade for good residence in good town in north central Kansas, by traveling man making that territory. Address Box 711, care Farmers Mail and Breeze, Topeka, Kan.

FOR SALE OR EXCHANGE. Modern equipped real estate, loan and insurance company, excellent business and territory, established 25 years, \$1,000,000 ins. on books. Profit last year \$1,800. Want real estate. For complete description on this money maker write Rayfield Realty Co., Horton, Kan.

Buy or Trade with us—Exchange book free Bersie Agency, Eldorado, Kas

160 Acres of land to Holsteins H. N. HOLDEMAN, Meade, Kan.

Far Sale or Trade by Owner 640 a. 6 ml. of Ingalls, Gray Co., Kansas; 170 a. in cult., 320 a. fenced; well, house, and barn. \$17.50 per a. Terms \$6,200 cash, bal. time at 6% int. or trade for small place as part payment. Address JAMES PIZINGER, Holsington, Kan.

## For Sale or Trade

A fine valley farm of 160 acres, six miles from Fredonia, on county road. All smooth land, good soil, free from stone. House, barn and orchard. Price \$9,600. Mortgage \$2,250. Will exchange equity for merchandise or for good rental property. C. A. LONG, Fredonia, Kansas.

## For Sale or Trade

I want to sell an \$8,000 stock of general merchandise and \$5,000 stock of lumber. Stock in good shape and located in the best part of northern Okla. This business has made the present owner wealthy and he wishes to retire. Will take in trade a good farm in Harper, Sumner or Sedgwick Co., Kan., at a fair price. Refer to any wholesale house in Anthony or Wichita, Kan. Address owner H. S. DAVIS, Amorita, Okla.

## MISSOURI

WRITE Morris & Walker for list of south Missouri farms. Mountain View, Mo.

HOMESEEKERS farm list. Southwestern Land & Imml. Co., Springfield, Mo.

200 A. valley farm, impr. \$20 acre. Maps, views free. Arthur, Mountain View, Mo.

80% ACRES practically all tillable, 4 miles from Amsterdam, Mo. 60 miles south of K. C. Well watered and fenced. No rock. Price \$52 per acre. J. D. Sage, Amsterdam, Mo.

VALLEY FARMS, \$25 to \$50; unimproved lands, \$6 to \$20; orchard and berry farms, \$40 up; water and climate unexcelled. Literature and free list. ANDERSON REAL ESTATE CO., Anderson, Mo.

SOUTHEASTERN MISSOURI LANDS—If you want to become independent, buy a farm in Scott Co., Mo., in the rich drained lands that raise anything and raise it certain. All we ask is a chance to "Show you." Prices very reasonable. Write F. S. Bice, Oran, Mo.

ONE of Howell Co., Mo., good farms. 279 a.; 170 cult., 9 room house, good cellar. Large barn, other buildings. Orchard, fine water. 3 mi. railroad town, 6 mi. county seat, West Plains, on R. F. D. and phone line. 1/2 ml. school. \$40 a. No trade. A. P. COTRELL LAND CO., Pomona, Howell Co., Mo.

A SNAP FOR THE CASH. 300 acres, 160 fenced, 120 cultivation. 2 1/2 miles to postoffice, 1 ml. to school, 10 to county seat. Good house and barn; everlasting spring, fruit; price \$4,000. Will give terms. KIRWAN & LAIRD, West Plains, Mo.

CASS COUNTY, MISSOURI. If you ever expect to buy a farm, come to Cass Co. at once for you can save at least \$10 per a. by coming before fall rush. Exceptional bargains in farms, all sizes, only a short time. Make specialty of farms priced right. CHAS. BIRD, Harrisonville, Mo.

OSARK LANDS FOR SALE. 40 a., all fenced with woven wire, 36 a. in cultivation, bal. pasture, new 5 room house, large barn and other outbuildings, fine water, 1/2 ml. school; mortgage \$500 due 4 yrs. at 5 1/2%. Price \$1,400. List free. JAS. B. WEBB, West Plains, Mo.

FAMOUS BLUEGRASS LANDS. 160 a. 2 ml. King City, 31 ml. St. Joseph, well improved, all under plow, plenty of water and practically all hog tight fencing, splendid state of cultivation, \$125 per a. clear. 80 a. 2 ml. out, well improved, all under plow, \$135 per a. 240 acres, well improved, 1 ml. out, every foot tillable, ideal home, plenty of water and beautiful location, \$140 per a. Very best farms in the famous bluegrass belt of Missouri. No trade. W. L. BOWMAN REALTY CO., King City, Mo.

POLK COUNTY FARMS For Sale or Exchange Ideal climate, pure water, fine pastures, short feeding season, productive soil, prices and terms to suit. HARRY T. WEST REALTY CO., Belvoir, Mo.

## Ozark Unimproved Farm Bargain

150 acres of good unimproved farming land, near Van Buren, county seat of Carter Co. Fine pasture land, good for dairy, fruit and in fact you can raise almost anything you can raise in the North. Located in the Ozarks of Missouri. Makes the climate the very best. Excellent water. Price \$10 per acre. For full particulars write JOHN M. CARNAHAN, Van Buren, Mo. (County Recorder Carter Co.)

## COLORADO

WILL SELL you eastern Colo. alfalfa farms. Irrigated \$65 to \$150; non-irrigated \$5 to \$35. Trades considered. Demaray & Paschall, Holly, Colo.

## 320 HOMESTEADS 320

I now have a few 320 acre homesteads relinquishing title at from \$200 to \$1,000, perfectly level, every acre tillable, no better soil, fine water, good schools, in good neighborhoods. They will not last long. If you want a home write me now. R. T. CLINE, Towner, Colo.

## NEW MEXICO

FOR SALE—Improved and unimproved farms. Also city properties, cheap. Good investments. Jas. J. Hall, Tucumcari, N. M.

CHEAPEST, best irrigated lands in the world \$25.00 to \$40.00 per acre. For information address Dan Vinson, Portales, N. M.

FIRST MORTGAGE LAND NOTES. \$30,000 first mortgage five year land notes, interest 9%, payable annually; these notes are in denominations of \$300.00 to \$800.00. Each note secured by 160 acres of choice land. Reference 1st Nat'l Bank. COE HOWARD, Portales, New Mexico.

## VIRGINIA

### CHEAP CATTLE

For sale—Well improved 300 acre Blue Grass stock farm in Virginia with established cattle buying business—no competition—1/2 mile to R. R.—close to market—modern home. Splendid money maker. \$10,000.00; \$5,000.00 cash. Address BOX 333, Mail and Breeze, Topeka, Kan.

## CANADA

CANADA For sale, improved farms, ranches and new lands in Southern Alberta. LYNN W. BARRETT, Alderleyde, Alberta.



## OKLAHOMA

N. E. OKLA. prairie farms. Easy payments. Write J. T. Ragan, Vinita, Okla.

FOR RENT. 500 acres first class bottom land joining Chickasha, Oklahoma. Level, no rock or stumps. Price \$4 per acre cash in advance. This farm is for sale also. Golden Gate Trust Co., Chickasha, Okla.

60 A., 2 miles McAlester, city 15,000, 32 a. cultivation, mostly bottom; 8 a. meadow; bal. pasture; fair improvements, splendid soil. Good neighborhood. \$33 per a. Terms. 800 a., rough pasture, \$3.00 per a. Southern Realty Co., McAlester, Okla.

BEST alfalfa farm in Oklahoma. 90 a. growing alfalfa, 25 a. wheat, 25 a. oats; 3 mi. hog tight fence; one-half mile to \$50,000 federal building. The greatest bargain ever offered. One-half mile to this city. C. W. Smith, Kingfisher, Oklahoma.

EASY PAYMENTS; no hot winds; no commissions; no failures; corn, cotton, alfalfa, timber and grazing lands, in coal, oil and gas belt; over one hundred tracts to select from, to sell on easy yearly payments. Send ten cents for particulars. Joseph F. Locke, Oklahoma City, Okla.

OKLAHOMA ALFALFA, COTTON, WHEAT lands. 160, small improvements, 120 in cultivation, \$3,200. 320, mostly alfalfa land, \$12,000. 160, fair improvements, 140 alfalfa land, \$8,500. 320 stock farm \$4,000. Write for full information. R. L. Knie, Cordell, Ok.

## TEXAS

BRAZOS bottom farm. 320 acres, 110 cult.; 2 houses, very fine soil. \$45 per acre, 1/4 cash, balance easy. Winston McMahon, 317 Beatty Bldg., Houston, Tex.

CORN, cotton, potatoes and rice are making our farmers good money. Prices from \$25 an acre up. A few special bargains. Fidelity Immigration Co., Eagle Lake, Tex.

THE BEST cheap land proposition in the United States today. Wheat yielding from twenty to forty bushels per acre, all other crops equally good. Write us for particulars. J. N. JOHNSON LAND CO., Dalhart, Tex.

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.

## ARKANSAS

80 A. impr. valley farm; on Ry. 35 cultivation. \$15 a. Robert Sessions, Winthrop, Ark.

891 A. alfalfa and cotton land; some improved, tracts to suit. \$75 per a. New list free. Pope Co. R. E. Co., Russellville, Ark.

ARKANSAS lands for fruit and general farming, \$10 an acre and up. Also some cheaper land. Write for free list and literature. H. C. Towson, DeQueen, Ark.

160 ACRES one mile from Oliver, Ry. town; church, school; partly improved; good timber. In Scott county, Arkansas. Price \$3 per acre, cash. Box 308, Heavener, Okla.

17,000 ACRES, no rocks, hills or swamps. Any size farms Grant Co. \$1.50 per a. down, bal. 20 yrs. at 6%. Employment. TETER & Co., Op. Union Depot, Little Rock, Ark.

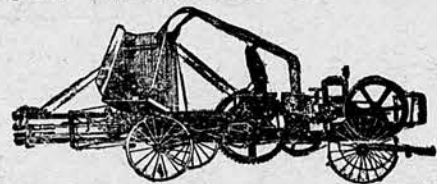
BARGAIN. Well improved 160 near Raven-den Springs, Ark. All new buildings, good land, large orchard. Quick sale, don't miss this. Burrows, Warm Springs, Ark.

## WRITE US ABOUT Your HAY

C. E. SHOFSTALL HAY & GRAIN CO.

605 Livestock Exchange, Kansas City, Mo.

## SELF FEEDER AND SELF-TYER



The Tuttle combined power hay press saves you MONEY. New side self-feed and the self-tyer does it. 2 men can run it. 3 men is a full crew. Fully guaranteed for 12 months, SELF-TYER AND ALL.

TUTTLE HAY PRESS CO., 611 Main St., Pleasanton, Kan.

## Be Your Own Boss

Don't let anybody else boss you around and tell you what to do. Be your own boss. Make from \$8.00 to \$10.00 a day and do just as you please. You can do it. Two hours a day is enough.

## Sample Suit FREE

Will you represent us in your town if we send you a sample suit, tailor made to your own measure? Your choice of hundreds of styles and materials. Six months ahead of everybody else. Classiest, nobbiest, clothes in the country.

## Make \$60.00 a Week

You don't risk a penny. No capital or experience necessary. We pay for everything. You rake in the coin by telling your friends where you got your suit.

Write Today Your name and address on a postal is enough. But, get busy! Get your name in now. Get the big new style book with samples of materials absolutely FREE. No obligations. Get your name in quick. Reliable Tailoring Co., Dept. 456 Y, Reliable Bldg., Chicago

## MARKET PROBABILITIES

(Written Specially for Farmers Mail and Breeze.)

Monday the cattle market showed a sagging tendency. Liberal receipts of Southern cattle in Kansas City gave the market for plain kinds a drop of 10 to 20 cents, and elsewhere prices were weak to 10 cents lower. Stock and feeding grades were firm. Parts of Oklahoma, Kansas, Nebraska and Missouri reported good showers over Sunday with prospects for more.

There is no denying the weather. Temperatures up to 100 degrees and more in the Central West, showers good to heavy, but of local character, and considerable grass drying up were the developments of last week. The country is in need of a general rain to relieve anxiety and put conditions on a mid-summer basis. All season average rainfall has been below normal and reserve moisture is about exhausted. The heat is excellent for the corn, but has brought the added pest of flies to livestock. The country now is at a place where good to heavy rains would put grass and corn into excellent trim for July's heat. Kansas and Missouri grass is seriously in need of rain in some spots, and grass elsewhere though not suffering would welcome moisture. The general feeling of uneasiness has exaggerated conditions many fold but no acute stage will be reached for another week. Missouri, Kansas, Nebraska, Illinois, Indiana, Iowa, Oklahoma and the South-west have had showers of 1/4 to 3 inches, but they varied from small areas to 150 miles in radius. Such spottedness causes a similar variation in crop conditions, and is bound to have more or less effect on the general trade at markets.

## Showers Relieved Feeder Pressure.

St. Louis and Kansas City districts reported good showers the middle of last week. This relieved the pressure that was brought to light in the trade in thin cattle late last week. Prices for such cattle this week were quoted up 50 to 75 cents or practically a full recovery of the slump of the preceding week. Now it is a gamble as to whether the market can hold that advance. Good rains will mean an excellent demand, but continued dry hot weather will turn the market to a much lower basis. The buyer who can guess on the weather will be the one who can buy right. An Illinois feeder this week bought some high grade black steers at \$8.65. They weighed 1,200 pounds, and cost 5 cents more than packers bid. The bulk of the thin steers sold at \$7 to \$7.65, but were of the plainer kinds. Some Arkansas stockers brought \$5 and good heavy western feeders \$7.50 to \$8. While prices are higher the market is nervous, and liable to take another dip down within the next 10 days.

## Prime Beeves to Go Higher.

Strictly thick fleshed heifers are on the up grade. This past week made little net change in prevailing quotations and prices fluctuated 10 to 15 cents, closing firm. The principal bull factor was that killers are getting a good turn on heavy hides, and at the same time prime steers are getting scarce. These two factors are bound to create a broader demand. Heavy steers this week in the prime class made \$8.75 to \$9 or nearly up to the season's top. On the other hand the half fat and fairly good beeves were quoted off 10 to 15 cents. Such cattle had to meet the competition of liberal receipts of short fed grassers in Ft. Worth, Kansas City and St. Louis, the kind that brought \$6.25 to \$7.25. Some common grassers sold at \$5.25. The tendency in the market from now on will be a lowering of prices for the plain kinds and an improvement of the prime kinds. It would not be out of a reasonable range for July prices to show a spread of \$4 to \$4.50. "Caked" grassers from the Southwest have been marketed closely. A good many steers fed grain on grass are in sight for July, and wintered western steers will move in August.

## Hope to Lower Butcher Cattle.

Except choice dry lot heifers and mixed cattle, few of which are yet in the country, killers are preparing to raid butcher cattle prices. However they have made similar attempts in the past few months, and failed. At this time conditions favor a movement of lower priced steers and cheap cow stuff, both of which will increase the supply materially. Grass fat will be the prevailing type in July and on a normal summer basis both cows and heifers should sell 50 cents to \$1 lower than at present. Cows are selling at \$3.85 to \$7.35, and heifers \$5 to \$5.75, mixed grades as high as \$8.55. No large supply of "canners" is in sight for the summer, unless dry weather forces them on the market. Veal calves were up 50 to 75 cents last week, and bulls are selling at steady prices. Veals are quoted at \$6 to \$10.

## Narrow Movement in Hog Prices.

Hog prices were up 5 to 10 cents the first of the week, owing to moderate receipts. Chicago reported \$8.85 top, St. Louis \$8.95, Kansas City and St. Joseph \$8.70, and Omaha \$8.60.

Last week hog prices fluctuated 15 to 20 cents, compared with a 25 to 30 cent movement in preceding weeks in June

and May. The high prices were just about up to the high levels of the month and the low point considerably above the low levels for the month. The last week in June showed the highest average prices of any week in the month, as did the last week in May. The last week in May and June compared show that last week's prices were the highest by 10 to 15 cents. Many traders believe that the narrow price movement in the past week indicates that the market is gaining strength. However the weather is always a factor and should the growing corn start to deteriorating on account of adverse conditions the July movement will be heavy. It will include a good many rough hogs and pigs. With favorable conditions for corn July will be a month of light receipts of hogs. Provisions are high and packers are buying all kinds that can be made into product. No adverse reports are coming on the health of young hogs.

## Sheep Market Still Unsettled.

The sheep market is in an unsettled condition. The price movement this week was up except on Friday when packers put the market on the stretcher by taking off 15 to 25 cents. However the net advance for the week was about 25 to 40 cents. Spring lambs sold at \$8 to \$8.50 at the high point, and Friday the same kind were marketed at \$7.75 to \$8.25. Chicago reported sales up to \$8.50. The market is unsettled because another period is at hand. Southern spring lambs have been marketed closely and the feed lots have yielded their last consignments. The movement from the range is at hand. Chicago and Omaha have received grass sheep, and a few bunches other than Texans have been received in Kansas City. The season now opening is the one wherein both countrymen and packers are factors on the demand side. The former will buy thin sheep, and packers will take what is left. The scope of country demand is fully as important as the packer demand. Sheep will be in active demand for country use in proportion to the status of the crops three weeks to a month from now.

## The Movement of Livestock.

The following table shows receipts of cattle, hogs and sheep at the five western markets last week, the previous week and a year ago:

	Cattle	Hogs	Sheep
Kansas City .....	27,150	49,400	29,400
Chicago .....	40,200	142,000	68,000
Omaha .....	12,250	64,500	6,400
St. Louis .....	21,450	52,000	35,000
St. Joseph .....	5,350	41,900	6,100
Total .....	106,400	349,800	144,900
Preceding week .....	128,690	338,800	182,700
Year ago .....	124,600	339,500	181,600

The following table shows receipts of cattle, hogs and sheep in St. Louis this far this year, compared with the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle .....	410,745	346,237	64,508	.....
Hogs .....	1,312,571	1,340,980	.....	28,409
Sheep .....	415,641	448,791	.....	33,150
H. & M. ....	75,220	87,669	.....	12,449
Cars .....	35,018	34,071	947	.....

The following table shows receipts of livestock in St. Joseph this far this year compared with the same period in 1912:

	1913	1912	Inc.	Dec.
Cattle .....	202,253	213,927	.....	11,674
Hogs .....	886,154	1,121,781	.....	235,627
Sheep .....	396,254	346,790	49,464	.....
H. & M. ....	17,185	22,869	.....	5,734
Cars .....	22,618	25,483	.....	2,867

The following table shows the receipts of cattle, hogs and sheep in Kansas City this far this year and same period in 1912:

	1913	1912	Inc.	Dec.
Cattle .....	733,958	662,461	71,497	7,275
Calves .....	38,586	45,861	.....	120,963
Hogs .....	1,310,876	1,431,839	.....	56,853
Sheep .....	939,209	1,050,062	.....	545
H. & M. ....	44,155	44,700	.....	347
Cars .....	52,421	52,421	.....	.....

The following table shows a comparison in prices on best offerings of livestock at Kansas City and Chicago for this date and one year ago:

	Cattle	Hogs	Sheep
1913 1912	1913 1912	1913 1912	1913 1912
Chicago ..	\$9.00 \$9.60	\$8.85 \$7.65	\$6.50 \$6.70
Kan. City ..	8.50 9.55	8.72 7.65	5.75 6.00

## Horses Sell Fairly Well.

The past week was characterized with better than a reasonable demand for horses. All the markets reported and sold a few hundred head each, which is beyond the average late June dealings. Some mules were sent to southern states, and the principal inquiry was for all purpose work horses. Prices were considered firm. Demand will be quiet through July and early August, though a good fall trade is expected.

## Weather Boosts Grain Prices.

Some new wheat is moving but cash prices are firm with futures higher than a week ago. Reports coming from harvest fields are mixed, though they indicate that the crop will be below estimates of 10 days ago. The northwest situation is critical as rains are needed badly and the wheat crop there has deteriorated to a marked degree in the past two weeks. Corn prices are higher. Weather is the

sustaining influence. Farmers are not selling their corn, holding it until the growing crop assumes a more definite growth. Practically no corn is selling below 60 cents, and the feeling in the speculative market is that higher prices are in store. Oats are in active demand at firm prices.

The following comparison shows prices on best grades of wheat, corn and oats at Kansas City and Chicago for this date and one year ago:

	Wheat	Corn	Oats
1913 1912	1913 1912	1913 1912	1913 1912
Chicago .....	96c \$1.16 63 79	42% 52%	41 54%
Kan. City .....	91c 1.15 60% 79	41 54%	.....

## Hay in Active Demand.

Demand for hay was more active this past week than for some time past. Prices for prairie were advanced \$1 to \$1.50 a ton early in the week and later most of the gain was lost. Alfalfa was quoted higher, and tame hay held steady. Dry weather in some sections tended to reduce the movement. Under present weather conditions the hay crop this year will be much smaller than last year.

## Kansas City Hay Quotations.

Prairie, choice .....	\$11.50@12.00
Prairie, No. 1 .....	9.50@11.00
Prairie, No. 2 .....	7.50@9.00
Prairie, No. 3 .....	6.00@7.00
Timothy, choice .....	12.50@13.00
Timothy, No. 1 .....	11.50@12.00
Timothy, No. 2 .....	9.50@11.00
Clover mixed, choice .....	12.00@12.50
Clover mixed, No. 1 .....	10.50@11.00
Clover mixed, No. 2 .....	8.50@10.00
Clover, choice .....	10.00@10.50
Clover, No. 1 .....	8.50@9.50
New alfalfa, fancy .....	14.00@14.50
New alfalfa, choice .....	13.00@13.50
New alfalfa, No. 1 .....	11.75@12.75
New alfalfa, standard .....	10.00@11.00
New alfalfa, No. 2 .....	8.75@9.75
Straw .....	4.00@4.50
Packing .....	4.00@5.00

## Little Trade in Broomcorn.

Demand for broomcorn continues small and rather indifferent. Broom makers are not in the least worried about the growing crop and they seem confident that prices this fall will be no higher than at present. Their purchases now are only for immediate use. General rains would improve the crop outlook materially. Prices are unchanged with choice, green, selfworking cane quoted at \$80 to \$90 a ton; fair to good \$45 to \$75, common to fair \$25 to \$40.

## Unusual Cattle Movement.

Two weeks ago five trainloads of cattle were reported as having been sent from Denver to Pacific coast points for slaughter. Last week Denver turned around and bought a trainload on the Kansas City market. This movement is rather new in beef circles, but it shows that the period of short supplies of fat cattle is at hand. For several years past the coast has been making inroads on the available supply of cattle in the mountain pastures that formerly went to eastern markets. At the same time new western markets sprung up, and the entire tendency is to find an outlet for supplies without long hauls east. It now looks as though the East is going to have to produce more cattle, or meet increased western competition plus the big freight charge on a long haul.

## Range Feeders Begin Moving.

W. A. Snyder of Denver, Colo., bought 20,000 yearlings and wethers at \$1.75 and \$3.75 in the Gallup, New Mexico, district for feeding at Wiley, Colo. Fulkerson of Lamar bought 18,000 yearlings at \$1.75 to be fed at Lamar. These are the first important transactions of the season and mark the beginning of the season's trade in feeders. Prices are a little lower than last year, as crop risk is still a big factor in transactions. One other condition that will hold trading up is the fact that corn belt feeders did not come out of last winter's operations in good shape. On the other hand the high price of feeding cattle will force many to buy sheep this fall.

## Flies Worry Livestock.

Within the past week many sections of the Central West have complained of flies, more so than usual. The season through has varied from chinch bugs to flies, but the latter are the only insects that have bothered cattle. There seems to be no definite way to eliminate them. Brush, water and other temporary arrangements seem to have failed. Cattle seem to be the most afflicted. Government experts could well spend some time on the fly situation without availing.

## Butter, Eggs and Poultry.

Elgin, June 30.—Butter this week is firm at 26 1/2 cents. Kansas City, June 30.—Prices this week on produce are: Eggs—Firsts, new white wood cases included, 17c a doz.; seconds, 13c. Butter—Creamery, extras, 27c a lb.; firsts, 26c; seconds, 25c; packing stock, 20 1/2c. Live Poultry—Broilers, 1 1/2 to 2 lbs., 21c a lb.; under 1 1/2 lbs., 19c; spring chickens, 15@16c; hens, 13c; roosters, 10c; young turkeys, and turkey hens, 15@16c; old toms, 12@14c; cull turkeys, 6@7c.

## Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
1913 1912	1913 1912	1913 1912	1913 1912
Chicago .....	27 25	18 17 1/2	14 13 1/2
Kan. City ..	27 24 1/2	17 18	13 12

Stud Anchor. For barns, corn cribs, garages, using concrete wall, pier or floor. No sills needed, nothing to rot. Studs bolted to foundation. Stud Anchor Works, Mendota, Ill.



## WHAT BREEDERS ARE DOING

**FRANK HOWARD.**  
Manager Livestock Department.

### FIELDMEN.

A. B. Hunter, S. W. Kansas and Oklahoma, 1124 So. Market St., Wichita, Kans.  
John W. Johnson, 820 Lincoln St., Topeka, Kan., N. W. Kansas and S. Nebraska.  
C. H. Walker, N. E. Kansas, N. Missouri, 2632 Flora Ave., Kansas City, Mo.  
Geo. W. Berry, N. Nebraska and W. Iowa, Copper Bldg., Topeka, Kans.  
Harry W. Graham, E. Iowa and Illinois, Chillicothe, 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.

Aug. 12—H. Fesenmeyer, Clarinda, Ia.  
Aug. 13—John B. Lawson, Clarinda, Ia.  
Aug. 13—J. W. Pfander & Sons, Clarinda, Ia.  
Sept. 5—Jas. T. Ellis, Adrian, Mo.  
Sept. 6—J. C. Stalter, Jasper, Mo.  
Sept. 17—L. R. McClarnon, Bradyville, Ia.  
Oct. 1—D. C. Longgan, Florence, Neb.  
Oct. 10—Dietrich & Spaulding, Richmond, Kan.  
Oct. 21—H. B. Walter, Effingham, Kan.  
Oct. 15—R. B. Davis, Hiawatha, Kan.  
Oct. 16—J. M. Nesbitt, Alledo, Ill.  
Oct. 17—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.  
Oct. 18—Lambert Bros., Smith Center, Kan.  
Oct. 20—Roy Johnston, South Mound, Kan.  
Oct. 22—H. C. Graner, Lancaster, Kan.  
Oct. 23—Deming Ranch, Oswego, Kan.  
Oct. 23—U. S. Byrne, Saxton, Mo.  
Oct. 25—J. H. Hamilton & Son, Guide Rock, Neb.  
Oct. 25—J. W. Leeper, Norton, Kan.  
Oct. 28—W. R. Webb, Bendena, Kan.  
Oct. 28—Joe Hemmy, Hill City, Kan.  
Oct. 29—Walter Hildwein, Fairview, Kan.  
Oct. 30—Harry Wales, Peculiar, Mo.  
Oct. 30—Merton Williams, Valley Falls, Mo.  
Nov. 1—John Belcher, Raytown, Mo.  
Nov. 3—Joe Schneider, Raytown, Mo.  
Nov. 5—R. E. Davis, Hiawatha, Kan.  
Nov. 6—W. E. Epley, Diller, Neb.  
Nov. 7—U. S. Byrne, Saxton, Mo.  
Nov. 8—John Naiman, Alexandria, Neb., at Hebron, Neb.  
Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.  
Feb. 10—H. B. Walter, Effingham, Kan.  
Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.  
Feb. 13—J. E. Willis, Prairie View, Kan.  
Feb. 13—W. E. Epley, Diller, Neb.  
Feb. 14—J. F. Foley, Orinogue, Kan.  
Feb. 17—L. E. Klein, Zeandale, Kan.  
Feb. 18—J. H. Harter, Westmoreland, Kan.  
Feb. 19—J. L. Griffiths, Riley, Kan.  
Feb. 24—M. T. Shields, Lebanon, Kan.  
Feb. 27—W. A. Davidson, Simpson, Kan.

### Duroc-Jersey Hogs.

Oct. 17—Moser & Fitzwater, Goff, Kan.  
Oct. 30—A. T. Cross, Guide Rock, Neb.  
Oct. 31—A. M. Rinehart & Son, Smith Center, Kan.  
Nov. 1—N. B. Price, Mankato, Kan.  
Nov. 5—W. E. Monasmith, Formoso, Kan.  
Nov. 7—Leon Carter, Asherville, Kan.  
Jan. 23—J. J. Hartman, Elmo, Kan.  
Jan. 28—W. E. Monasmith, Formoso, Kan.  
Jan. 29—N. B. Price, Mankato, Kan.  
Jan. 30—Geo. P. Philippi, Lebanon, Kan.  
Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.  
Feb. 4—Moser & Fitzwater, Goff, Kan.  
Feb. 5—Samuelson Bros., Cleburne, Kan.  
Feb. 6—Leon Carter, Asherville, Kan.  
Feb. 7—E. G. Munsell, Herington, Kan.  
Feb. 9—E. A. Trump, Formoso, Kan.  
Feb. 10—Agricultural College, Manhattan, Kan.  
Feb. 11—Thompson Bros., Garrison, Kan.  
Feb. 20—John Emigh, Formoso, Kan.  
Feb. 21—Dana D. Shuck, Burr Oak, Kan.  
Feb. 25—A. T. Cross, Guide Rock, Neb.

### O. I. C. Hogs.

Feb. 18—H. L. Bode, Friend, Neb.  
Feb. 19—Chas. H. Murray, Friend, Neb.

### Hampshire Hogs.

Nov. 4—H. D. DeKalb, DeKalb, Ia.

### Shorthorn Cattle.

Oct. 14—C. J. McMahsters, Altona, Ill.

### Aberdeen Angus Cattle.

Oct. 22—W. F. Eckles, Green City, Mo.

### Hereford Cattle.

Dec. 30-31—Mousel Bros., Cambridge, Neb.  
Feb. 12-13—Nebraska Hereford Breeders' association, at Grand Island, Neb.

The Springdale Stock Ranch, Concordia, Kan., recently added to its splendid herd of Holstein cattle a herd bull purchased from B. W. Perkins, Mr. Ayr, Ia.

### John Gronniger Married.

Miss Helen Foley and John L. Gronniger, both of Bendena, Kan., were married on Wednesday, June 25. John Gronniger is well known to Poland China breeders as the junior member of the firm of Herman Gronniger & Sons of Bendena. While his father did most of the traveling and the buying at public sales, it was John's judgment in the management of the herd at home, and in the correspondence and business end of the business, that did much for the success of the herd. John has severed

his active connection with the breeding business and is now a hardware and implement dealer at Purcell. Mr. and Mrs. Gronniger will make their home there in a fine new house.

### The Organization Grows.

The Jewell County Breeders' association, organized May 31, is attracting the attention of breeders all over the country. With few exceptions every breeder in Jewell county and many from nearby counties were at the May meeting and the committee on organization is seeing those who could not attend and enrolling them as members. Other meetings are to be held in the near future to discuss matters of interest to breeders and stockmen. Breeders in adjoining counties are welcome to membership and are entitled to all advantages of the organization. If you live in an adjoining county, and were unable to attend the last meeting send in your dollar and become a member at once. Address Secretary I. W. Kyle, Mankato, Kan.



I. W. Kyle.

Jewell City has been holding a good horse show every year. This season it will be likely to have a better show

Dear Mr. Howard: Mr. J. W. Johnson was at my place Monday and I renewed my advertising contract for another year. This makes six years that I have used Farmers Mail and Breeze continuously and the results have been very profitable to me. Since June last year and up to this date I have received over 300 inquiries and have sold over 100 head of hogs from my advertising in Farmers Mail and Breeze, which is the only paper I have used during the six years. Mr. Johnson has handled my advertising in your paper in a very satisfactory way to me and his field notes concerning my herd have been a big help in making my advertising profitable. I shipped seven fall gilts to a party at Hugo, Colo., this week and sold my last fall boar to an Oklahoma breeder. I have 75 March boars and gilts for sale that are probably the best I have ever been able to raise. Thanking you for your very evident interest in my business, I am as ever,

Osborne, Kan., June 28.



Yours very truly,  
D. O. BANCROFT.

than ever. Other points in the county will have stock shows and the county organization will encourage the exhibition of better farm animals and more of them in every way possible. President F. W. Bevington, of Jewell City, is a booster for every worthy movement. Secretary I. W. Kyle is a breeder of Poland China hogs and is well liked by everyone. In fact, Jewell county is becoming well known as a purebred stock county. Mankato, Jewell, Formoso, Burr Oak, Ionia, Otego and North Branch are the principal towns in the county. Crop conditions in Jewell county are very good. Wheat was good and corn is doing nicely at this writing.

### S. W. Kansas and Oklahoma

BY A. B. HUNTER.

G. C. Norman of Winfield, Kan., is offering some high class Duroc-Jersey boars sired by the great show and breeding boar, Graduate Col. Mr. Norman recently shipped three Durocs to N. B. Price, Mankato, Kan., and one to John McMullen, Formoso, Kan. Graduate Col. was the attraction in both of these sales. If you need anything in the way of a Duroc-Jersey boar write Mr. Norman, mentioning this paper.

### Big Type Bred Gilts.

A. R. Enos, Ramona, Kan., has the big type, fancy Poland China bred gilts that are sure to please you. They are by A Wonder's Equal, by A Wonder and out of sows by Knox All Hadley, by Big Hadley. These gilts are big, growthy yearlings, bred to Orphan Chief, for August and September litters. He also has a few fancy open gilts that are for sale. They are too young to breed for fall litters without hurting their growth. The writer can think of no other breeder in southwest Kansas or Oklahoma who has a better lot of bred gilts than these. Write him today, mentioning Farmers Mail and Breeze.

### N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Last week we made our seventh annual June trip to D. O. Bancroft farm at Osborne, Kan., for the purpose of inspecting his herd of Duroc-Jerseys and renewing his advertising contract in this paper. Mr.

Bancroft does not make public sales but sells everything on mail order. Since June last he has received over 300 inquiries and sold over 100 head on mail order. This week he is shipping to Hugo, Colo., seven fine fall gilts. He sold his last fall boar last week but has a few more fall gilts for sale, bred or open. His 75 spring pigs are of March farrow, mostly, and are for sale at reasonable prices. They are a well grown, thrifty lot of big boned, well footed pigs and as good or better than anything he ever raised. Write, mentioning this paper.

### O. I. C. Pairs and Trios.

F. C. Gookin, of Russell, Kan., is a well known breeder of O. I. C. hogs, who is making a big success of the business. He has three herd boars of the best of breeding and is in a position to sell pairs or trios not related. Mr. Gookin is selling everything at weaning time at popular prices. The express is not so high on a pig as it is later on when he will weigh more. Mr. Gookin always has young stock for sale and will be glad to make you a price on a boar pig or a few choice gilts. Look up his advertisement in this issue and write him for descriptions and prices. Mr. Gookin will make the price right to start with and give you a good square deal all the way through. Write him and mention Farmers Mail and Breeze.

### Curphey, Livestock Auctioneer.

W. C. Curphey, Salina, Kan., is a well known livestock auctioneer who is starting his advertisement in Farmers Mail and Breeze again this week. Mr. Curphey is a western auctioneer that has made good and found favor with the breeders in his section of the country. He has sold thousands of dollars worth of horses for C. W. Lamer, of Salina, and in a highly satisfactory manner. He is a farmer and stockman and knows the business all the way through. His prices are very reasonable for high class service. If you are going to have a sale of any kind get in touch with Curphey. Address W. C. Curphey, Salina, Kan. His advertisement will appear regularly in Farmers Mail and Breeze.

### Gamber's Big Type Poles.

J. F. Gamber, Culver, Kan., has 50 spring pigs, of March and April farrow. Also some good litters later on in May. Hoak's Hadley by Big Hadley and out of a King Blaine dam, a three year old herd boar in use in this herd, will weigh about 600 pounds and could be made to weigh 800 easily. Mr. Gamber would sell him reasonable and he would be a valuable hog to the man who needs him. He can be bought very reasonable considering his

### Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Please change my ad in Farmers Mail and Breeze. Have sold the house advertised and am pleased with the service so far. Yours very truly,  
WALTER H. HANSON,  
Real Estate Broker,  
Sabetha, Kan., April 19, 1913.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I am enclosing my check for \$24.00 to pay for my jack advertisement in Farmers Mail and Breeze. The ad brought me many letters from Kansas, Nebraska and Oklahoma, also one from Oregon. Farmers Mail and Breeze is a good paper to advertise in as well as a splendid farm paper.  
Yours very truly,  
D. F. McALLISTER,  
Breeder of Percheron Horses and Jacks,  
Severy, Kan., May 7, 1913.

Every week for years Farmers Mail and Breeze has printed voluntary letters from its advertisers and different letters are printed every week.

season but his card will be found in Farmers Mail and Breeze, in which he is offering the tops of his crop of pigs at private sale and at prices that will be found very reasonable, considering the high quality of the offering. A yearling that sired some of the spring pigs is a son of Johnny Dot, by On the Dot, by On and On. The dam of this young fellow was Big Beauty, by Girl's Beauty, by Glasco Chief. A number of sows will be bred to him for fall farrow. Mr. Nowles bought in the H. B. Walter sale at Effingham, Kan., and has two fine litters by Long King. He also bought a good sow in the Kyle sale at Mankato, Kan., last winter and she has a fine litter. Mr. Nowles is ready to price you a boar and gilts not related or a few sows bred for fall farrow. Write him for prices and descriptions and mention his advertisement in Farmers Mail and Breeze. Look up his advertisement in this issue.

### Geo. Smith's Poland Chinas.

Geo. E. Smith, Agenda, Kan., has been engaged in the breeding of Poland Chinas in Republic county continuously for 14

### LIVESTOCK AUCTIONEERS.

**Spencer Young, Osborne, Kan.**  
Livestock Auctioneer. Write for dates.

**W. C. CURPHEY, Salina, Kansas**  
Write, phone or wire for dates. Address as above.

**COL. T. E. GORDON, WATERVILLE,**  
Livestock Auctioneer. Write for open dates.

**L. J. Calloway, Lebanon, Kansas**  
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.

**L. R. BRADY, Manhattan, Kansas**  
Livestock Auctioneer. Write or wire for dates.

**JAS. W. SPARKS, Live Stock Auctioneer**  
MARSHALL, MO.

**Will Myers, Beloit, Kan.** Is already booked on leading breeders' sales in Central Kan. Choice dates still open. Write or wire.

**CHAS. M. SCOTT, Livestock Auctioneer.** Thoroughly posted on pedigrees and values. Formerly of Scott & Singer, Poland China breeders. Hiawatha, Kan.

**John D. Snyder, HUTCHINSON, KANSAS**  
**LIVE STOCK AUCTIONEER**  
Wide acquaintance and practical knowledge of draft horses and pure bred live stock, all breeds.

**Col. N. B. PRICE, Mankato, Kan.**  
**LIVESTOCK AUCTIONEER**  
Phone or write for dates. Bonney K. heads my Duroc-Jersey herd.

**G. A. Drybread, Elk City, Kan.**  
Live Stock and Farm Sales made anywhere. Prices reasonable. Give me a trial. Satisfaction guaranteed.

**FRANK J. ZAUN, FINE STOCK AUCTIONEER**  
Independence, Mo., Bell Phone 675 Ind.  
My References: America's best breeders for whom I have been selling for years.  
**Get Zaun He Knows How**

**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, which opens August 4th.

**MISSOURI AUCTION SCHOOL**  
Largest in the World. W. B. Carpenter, Pres.  
1400-04 Grand Ave., Kansas City, Mo.

## Dispersal Sale of Registered Jerseys

CLEM L. SMITH, Owner

Lawson, Mo., Tuesday, July 15, 1913

This is a splendid herd of cattle. Headed by Rosette's Guenon Lad 71496, by Rosette's Golden Lad, out of Guenon Lad's Gem, 520 lbs. 15.3 oss. butter in one year. A Register of Merit daughter of Guenon's Lad, sold for \$4,000. Cows and Heifers by such sires as Hebron's King, Victoria's Champion Lad, Golden Lad's Master Boy, Rosette's Guenon Lad, Golden Lad's Carlo, Marjoram's Roter King and others. Tuberculin tested and individual certificates furnished sale day. Sale to be held at Hunter Smith Stock Farm, 3 1/4 miles south of Lawson, and 4 1/2 miles north of Excelsior Springs. Conveyances will meet trains at Lawson day of sale. For Catalogues write FRANK J. ZAUN, AUCTIONEER.

**B. C. SETTLES, Sales Mgr., Palmyra, Mo.**



## JERSEY CATTLE.

**LINSCOTT JERSEYS**

Only register of merit herd in Kansas. For sale: Grandson of Noble of Oaklands, ready for service. Also sons and daughters of the great Gamboge's Knight. Prices reasonable. R. J. LINSCOTT, HOLTON, KANSAS



## They Keep It Up

There are some cattle that give more milk when they are fresh than a Jersey, but there isn't any breed that gives as rich milk as

**The Jersey**

at as small feeding cost, nor is there any breed of cattle that will keep it up like Jerseys will, year in and year out. That's why you ought to buy Jerseys to increase your herd's efficiency. Send for Jersey facts.

AMERICAN JERSEY CATTLE CLUB  
224 W. 22d St., New York

## HOLSTEINS.

**HOLSTEINS** Large type, State inspected and tuberculin tested. Fine registered bulls, cows and heifers; also 100 grade cows and heifers. M. F. Knudsen, Concordia, Kan.

**Bonnie Brae Holsteins**

For sale, about 80 head of high grade young cows, 2-year-olds and bred yearlings. These cattle are strictly first class, with many heavy springers. Come and see them. IRA ROMIG, Sta. B, TOPEKA, KANSAS.

## DAIRY CATTLE.

**THREE** Registered Jersey bull calves, 3 to 6 months old; your choice \$30; best strains. B. SALISBURY, TESCOTT, KAN.

**ENTIRE DAIRY HERD FOR SALE!**

18 Holsteins, balance Jerseys and Shorthorns. Most of them will freshen this fall. \$80.00 per head. \$1.00 per head commission. JACK HAMMILL, 216 Adams St., Topeka, Kan.

**Holstein Bred Cows and Heifers**

Choice individuals personally selected, Wisconsin bred, tuberculin tested, pure bred, unrecorded and high grade females, recorded bulls. Grade bull and heifer calves. ARNOLD & BRADY, Manhattan, Kan.

**HOLSTEINS**—CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

**OAK HILL HOLSTEINS**

Bulls ready for spring service by Shadybrook Gerben Sir Kornel out of A. R. O. dams. Heifers bred. Also a few fresh cows. All tuberculin tested. BEN SCHNEIDER, NORTONVILLE, KAN.

**BANKS' FARM JERSEYS**

Quality with milk and butter records. One of the best sons of CHAMPION FLYING FOX, imported, at head of herd. Stock for sale. W. N. BANKS, Independence, Kan.

## ABERDEEN-ANGUS.

**DENTON'S Angus**

Bulls all sold but a fine lot coming on for fall trade. Write your wants. W. G. DENTON, DENTON, KANSAS

**ANGUS CATTLE**

Bulls and females for sale; singly or in carload lots. Address SUTTON & PORTEOUS Lawrence, Kan.

## SHORTHORNS.

**Six Shorthorn Bulls**

Fifteen months old, sired by Armor Prince 6th and out of cows sired by Vice President. Priced to sell. A. H. COOPER, Natoma, Kansas

**Glenwood Farms Announce**

Can spare no more bred sows. Have a few choice boars left. Plenty of Shorthorns, always. We build the most complete concrete silo yet offered the public. Have several on our place. They are a success. Write for particulars. Address.

C. S. NEVIUS, CHILES, KAN.

**10 High Class Scotch and Scotch Topped Shorthorn Cows**

of dairy quality, for sale, also two extra fine 10-month-old bulls. One by Baron Cumberland, the other, a show prospect, by Silk Goods. DR. W. C. HARKEY, Lenexa, Kan.

**A HUMANE REMEDY**

For Sick Hogs and Poultry. F. S. H. is not a violent Poison. It is a Worm Exterminator. A Health Restorative. Will refund your money if it is not the best Remedy of all. Price \$1.00 Per Bottle Postpaid. Enough for 30 Hogs or 6,000 Chickens. Register No. 2186, Kansas State Agricultural College, Manhattan, Kansas. References: "First National Bank," "Wamego State Bank."

THE OLEPHEN CHEMICAL CO.  
WAMEGO, KANSAS.

years. This spring he had 10 sows to farrow 101 pigs and saved 71. They are mostly of March and April farrow. Most of them are by Mogal Jr. 60639. The herd sows represent the leading families, especially of the larger type. They are by such sires as Expansive See, Iky Longfellow, Mogal Jr. and Smith's Big Hadley. A very choice fall yearling gilt, sired by Mogal Jr., is raising a fine litter by Jumbo Lad. We were also shown a very fine litter sired by Walter's Expansive, by Expansive. The dam of this litter is Choice Lady 2d, by Expansive Chief, bred by H. B. Walter. Mr. Smith is taking great pride in a yearling boar that he bought from H. B. Walter. This boar will be a year old July 15 and will weigh 400 now. He is just simply good all over and one of the real prospects we have seen for a big, massive boar that will make easily a 1,000 pound hog. He is recorded as Smith's Long King 66268. He was sired by Long King's Best. His dam was one of the biggest sows H. B. Walter ever raised, sired by Expansive. He will be heard from in the future as he is being carefully handled by Mr. Smith with a view to his future usefulness. The 71 spring pigs are as fine a lot of big, stretchy, March and April boars and gilts as we have seen this season. Mr. Smith will make no public sales but will offer the tops of these boars and gilts for sale at private sale. His advertisement will appear shortly in Farmers Mail and Breeze.

## Hampshire Sheep and Hogs.

E. S. Talliaferro, Russell, Kan., is the only breeder of registered Hampshire sheep in the state. That there should be more of them raised in Kansas is evidenced by the splendid success enjoyed by Mr. Talliaferro with his flock of registered sheep on his Russell county ranch. We had the pleasure of visiting this ranch last week and found Mr. Talliaferro a very progressive and up to date farmer and stock raiser. In addition to breeding registered Hampshire sheep he also breeds registered Hampshire hogs and last spring added some new blood to his herd from the R. C. Krueger herd at Burlington, Kan. He also bought a yearling boar of C. W. Lowery, Oxford, Kan. The foundation of his flock of Hampshire sheep came from the R. J. McKelghan & Sons' flock at Yates Center, Ill., and from the flocks of such well known breeders as Robert Taylor, Abbott, Neb., and W. R. Bane, Fairbury, Ill. Mr. Talliaferro has a half section of land that is located 12 miles north of Russell and about five miles from Waldo. There is plenty of running water the year round and an abundance of shade. It is well improved. Mr. Talliaferro is making a success of farming and raising registered Hampshire sheep and hogs. He is a hustler and a good business man. He is a good entertainer and we enjoyed our visit there very much. Look up his advertisement if you are thinking of buying a few sheep. Let him tell you about his favorite breed and give you descriptions and prices. Also write him about Hampshire hogs if interested. Look up his ad in this issue.



E. S. Talliaferro.

## Logan's Big Poland Chinas.

E. C. Logan, Solomon Rapids, Kan., is one of the best known breeders of Poland Chinas in central Kansas. He is one of the very first men in Mitchell county to breed Poland Chinas and keep them registered. Mr. Logan has improved his herd each year until it is now one of the strongest herds of big, smooth Poland Chinas in the state. His crop of spring pigs numbers 76 and he has a nice lot of October and November gilts that are being bred for fall farrow. He is picking his show herd from this lot of young sows. He also has 10 spring yearling sows that are bred for September and October farrow. There are 22 sows in the Logan herd. A number of them are by Conformation, by E. L. 2d, one of the best breeders ever owned in Mitchell county. Most of the spring, fall and summer gilts are by Glasco Chief Jr., by old Glasco Chief. A few are by Gates's A Wonder, by the great A Wonder. Mr. Logan started out two years ago to buy the right boar to cross on the sows he was keeping in his herd and in Missouri found the boar that has made a splendid cross on the Glasco Chief Jr. and Conformation sows. "Ed" Logan is well known and popular among the Poland China breeders all over the country. He is secretary of the big Mitchell County Fair association and a director in the Kansas State Fair association at Topeka. Last fall he was elected by a good majority to represent his district in the state senate, where he proved a valuable man. Note his ad in this issue and write him if interested in his offering.

## N. E. Kansas and N. Missouri

BY C. H. WALKER.

Here is a sample of the many good letters which Clarence Dean of Weston, Mo., receives from his customers after shipping an Immune Mastodon. "Narka, Kan., March 14, 1913.—The two gilts arrived Wednesday in good condition and I am well pleased with them. Thanking you for making so good a selection, I am, yours,—C. E. Shoemaker." The Dean Polands are right in breeding, individuality and are immune—three mighty good reasons for buying that particular kind.

## Linscott's Great Jersey Herd.

It falls to the lot of but few people to be the leaders in their chosen profession. One almost has to be born to it and besides that it involves a great amount of hard work, energy, time and money. R. J. Linscott of Holton, Kan., is a leader in his profession. The Rosalpa herd of Jersey cattle owned and operated by Mr. Linscott has long been recognized as the biggest in the state when the quality of the herd is considered. It is in truth a highly commended herd. Not only in richness of breeding, but in the individual merit of the animals, which make up the herd and their records as producers of milk and butter fat is this herd ranked with the best in the country. It is the only register of merit herd in the state, has at its head the only register of merit bull in the state and the females have made records that

## POLLED DURHAMS.

**Polled Durham Bulls**

Six well bred young bulls and a limited number of cows and heifers for sale. C. M. HOWARD, HAMMOND, KANSAS.

## HEREFORDS.

**KLAUS BROS.' HEREFORDS**

Two choice yearling bulls, herd headers for sale, sired by Fulfiller 3rd, Fulfiller 25th and Beau Onward. Our calf crop is the best we ever had. KLAUS BROTHERS, BENDENA, KANSAS.

## RED POLLED CATTLE.

**Foster's Red Polls**

Write for prices on breeding stock. C. E. FOSTER, R. R. 4, Eldorado, Kansas.

**Red Polled Cattle**

Cows and heifers for sale. No bulls over six months. Poland China big type registered fall boars. Write CHAS. MORRISON & SON, Phillipsburg, Ks.

**Red Poll Females**

of all ages, choice individuals, show animals, priced to sell. A few choice bulls, also Duroc-Jersey sows, sows and gilts, bred for early fall farrow. Boars any age by our choice herd boars. Ask for testimonials. GEO. W. SCHWAB, CLAY CENTER, NEB.

## GALLOWAYS.

**G. E. CLARK. W. W. DUNHAM.**

CAPITAL VIEW GALLOWAYS.  
12 Miles West of Topeka.  
Can furnish car of good bulls ranging in ages from calves to 2-yr.-olds. Can suit your wants. Write CAPITAL VIEW RANCH, Silver Lake, Kan.

**GALLOWAY CATTLE**

Imported and home-bred, absolutely equal to the best. C. S. HECHTNER, Box 66, Chariton, Iowa

## PUREBRED HORSES

**Truman's Pioneer Stud Farm**

America's Largest Importers

**Shire, Percheron and Belgian Horses**

Write for Illustrated Catalogue. TRUMAN'S, Box E, BUSHNELL, ILLINOIS

**PERCHERONS**

at breeder's prices. Eleven home-grown 3 yr. stallions, exact wt. 1750 to 2000 lbs. Second and with bone to spare. July 24th these and youngsters for sale. The biggest Percherons pay you best. Trains direct from Kansas City and St. Joe. FRED CHANDLER R. 7, CHARITON, IOWA



## O. L. C. SWINE.

**O. L. C. Boar Pigs**

Maple Leaf Improved Chester Whites All ages, the best. Priced to sell. R. W. GAGE, Garnett, Kan.

**GOOKIN'S O. L. C. HOGS.**

Booking orders for spring pigs by five different boars, out of sows not skin. Priced to sell. F. C. GOOKIN, RUSSELL, KANSAS.

**RUSSELL'S O. L. C.'s**

February and March pigs ready for shipment. The large prolific type. Satisfaction guaranteed. H. R. RUSSELL, Sedgwick, Kan.

**25 O. L. C. FALL BOARS**

For sale. Write for prices and descriptions. CHAS. H. MURRAY, FRIEND, NEBRASKA

**50 O. L. C. Pigs for Sale**

Sired by my leading herd boars. Also two nice gilts bred for Aug. farrow. Write for prices and descriptions. Andrew Kosar, Glasco, Kan.

**NEEF'S CHOLERA IMMUNE O. L. C.'s**

Spring pigs of either sex in pairs and trios no kin. Also tried sows and fall gilts bred fall farrow. Pure bred seed wheat, seed rye and Collie pups for sale. Riverside Farms, J. H. Neef, Boonville, Mo.

**Hampshire Sheep**

Shipping point, Waldo, Kansas. Address, E. S. Talliaferro, Russell, Kansas

**Oldenburg German Coach Horses**

We are the oldest and largest breeders of the Oldenburg German Coach west of the Mississippi River. Our 1912 winnings at the leading western shows exceeded those of any other individual horse exhibitor. We have stallions and mares of serviceable ages for sale. Write us. JOS. WEAR & SON, Barnard, Kan.

**60-Bergner & Sons' Coach Horses-60**

German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 3169 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon. J. C. BERGNER & SONS, Waldoek Ranch, PRATT, KANSAS.



## MULE FOOT HOGS.

**Mule-Footed Hogs** The coming hogs of America! Hardy; resist disease; the best rustlers known; pigs ten to sixteen weeks old, \$30 pair. Circular free. DE. W. J. CONNER, LABETTE KANSAS.

**Mule Foot Hogs**

Bred gilts for spring farrows all sold. Some choice boars for sale. Am now booking orders for pigs of February and March farrow, in pairs not related. ZENE G. HADLEY, Box D, Wilmington, Ohio

## BERKSHIRES.

**LEON A. WAIT'S****Berkshires**

A good herd at Winfield, Kan., headed by Lord Duke 94, 128208.

**Hazlewood's Berkshires!**

Choice spring boars and gilts priced to sell. Write today. W. O. Hazlewood, R. 8, Wichita, Kansas

**J. T. BAYER'S BERKSHIRES**

Eighty early spring pigs by Bayer's Beacon and B. D's Centerpiece, 30 extra fine sows and gilts bred and open, four Winter and Fall males. Priced to sell. Write for prices. J. T. BAYER, YATES CENTER, KAN.

**Bred Berkshire Sows**

25 head of young tried sows, representing the best Robinhood strains and bred for summer litters, to Ajax, a son of Rival's Lord Premier and Longfellow's Duchess 4th. These are extra good and are priced to sell. They won't last long. Write at once. W. J. GRIST, Ozawie, Kan.

## HAMPSHIRE.

**WRITE J. F. PRICE,**

Medora, Kans.

For prices on Pedigreed Hampshire Hogs

**REGISTERED HAMPSHIRE**

Well Bred Well Bred SUNNY SLOPE FARM, Frank H. Parks, Prop., Olathe, Kan.

**Pedigreed Hampshires**

of various ages. Boars at weaning time only. Every hog properly vaccinated. C. E. Lowry, Oxford, Kan.

**Pure Bred Hampshires**

Some extra choice, well-bred spring boar pigs for sale. ALVIN LONG, Lyons, Kansas.

**CLOVERDALE HAMPSHIRE!**

Special prices for thirty days only. Open and bred gilts. Spring pigs in pairs and trios, sired by my FOUR herd boars. T. W. LAVEROCK, PRINCETON, KANSAS.

## DUROC-JERSEYS.

**Duroc March Pigs \$9.00** and up, by Model and Tatarax Bay. R. W. Baldwin, Conway, Kan.

**Big Stretchy Durocs**

A choice lot, either sex, for sale, also S. C. White Leghorns, extra fine stock. HARRY GIVINS, Madison, Kansas

**Clearview Stock Farm Durocs**

All ages. A few open gilts, also tried sows, bred for September and October farrow. Spring pigs, pairs or trios. Satisfaction guaranteed on mail orders. A. J. HANNA, ELMDALE, KANSAS.

**Good E. Nuff Again King 35203**

Heads our great herd. Sale average: March 11, sows, \$77.50, sows and gilts, \$52.00. Write for prices. W. W. OTEY & SONS, Winfield, Kansas

**HILLSIDE HERD**

We offer spring pigs by Dandy Model 131783, pairs and trios not related. Write today about that young boar you need now. One 185-pound pig by J. R.'s Col. and a good one. W. A. Wood & Son, Elmdale, Kansas.

**Big-Type DUROCS**

Fall gilts bred or open. Booking orders for spring stock. Monarch Wonder, Col. and Buddy strains. Fall sale Oct. 17. MOSER & FITZWATER, GOFF, KANSAS

**Dreamland Colonel**

Summer and fall boars and gilts for sale. Everything immune. Nothing but desirable animals offered. Prices reasonable. LEON CARTER, Asherville, Kan.

18 Ram lambs for sale. Also young ewes, from yearlings up.

**Hampshire Hogs.** Young stock for sale. Everything registered.





## DUROC-JERSEYS.

**E. A. TRUMP, Formoso, Kan.**

Breeder of fashionable Duroc-Jerseys  
Stock for sale at all times. Write for prices and descriptions.

**Duroc-Jersey Boars**

Tatarrax strain \$30  
to \$25 others \$10 to \$25. Barred Plymouth Cocks  
half price. F. F. WOOD, WAMEGO, KANSAS

**BRED GILTS**

I have an exceptionally  
fine lot of Duroc gilts bred  
to my prize winning boars for sale, bred right and  
fed right. Write for prices and description.  
CHAS. L. TAYLOR, OLEAN, MISSOURI

**A FINE OFFERING**

Spring pigs  
sired by R.  
C. Buddy Watson's Col. and Model Top. Prices \$20  
and up. R. C. WATSON, ALTOONA, KANSAS.

**Duroc-Jersey Spring Pigs**

Dark cherry, sired by Bull Moose Col. 18825, he by  
King the Col. 88533 and out of large prolific sows,  
of regular breeding, priced reasonable, and f. o. b.  
your station if desired. Arthur A. Patterson, Ellsworth, Kan.

**Deep Creek Herd Durocs!**

Orders taken now for early spring pigs,  
dams either state fair prize winners or sired  
by prize winners. Write for low prices.  
C. O. ANDERSON, MANHATTAN, KAN.

**ILES' Farm Duroc-Jerseys**

A selected lot of early boars and gilts sired by and  
out of prize-winning boars and sows. The big kind  
with quality and guaranteed to please. Priced  
right. Visitors met by appointment at Everest or  
Pierces Junction. E. O. ILES, Everest, Kansas

**Smith's Durocs**

Fashionably bred boars,  
including grandsons of  
the great Graduate Col.  
and a herd-leading son of the champion, Tatarrax. Also  
spring boars. J. E. SMITH, NEWTON, KANSAS

**McCarthy's Durocs**

A few October boars by J. R.'s Col. by Graduate Col.  
Also a son of the champion, Tatarrax, that should  
head some good herd. Dan McCarthy, Newton, Kan.

**FORTY MARCH PIGS**

Also a few October Gilts bred to farrow  
last of September. Prices right. Descriptions  
and prices by return mail.  
J. R. JACKSON, KANOPOLIS, KANSAS.

**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

**Quivera Place Durocs**

A few, choice summer boars and gilts,  
sired by Quivera 106611.  
E. G. MUNSELL, Herington, Kansas.

**BONNIE VIEW FARM  
DUROC-JERSEYS**

Extra fine spring pigs, sired by Tat A Walla and S. A. O.'s Col.  
Searle & Cottle, Berryton, Kan.

**Perfection Stock Farm!**

Fall boars and gilts, also orders booked  
for choice spring pigs by State Fair Cham-  
pions. Pairs and trios not related. Prices right.  
CLABEN BROS., UNION CITY, OKLA.

**Duroc Pigs, Popular Breeding**

I am offering 100 spring pigs, by Eckman's Special  
124683 and Gold King 126165 out of sows by B. & O's  
Col., Buddy K. V., Chief's, Martini, Belle's, Chief  
2nd, Golden Goods, etc. Yendon Eckman, Vian, Kan.

**TATARRAX HERD DUROCS**

Good fall gilts, open or bred, by the grand cham-  
pion Tatarrax and G. M.'s Tat Col. In good condition  
and priced right. Write today for further particu-  
lars. Hammond & Buskirk, Newton, Kan.

**10 Duroc Jersey Boars**

of summer and fall farrow. \$25 each to move them  
quick. Sired by Model Chief and out mature sows.  
Dana D. Shuck, Burr Oak, Jewell Co., Kansas

**Bancroft's Durocs!**

We hold no public sales. Nothing but the  
best offered as breeding stock. 12 choice  
September boars, September gilts open or  
bred to order for fall litters. 90 March pigs.  
Pairs or trios notakin. Prices right. Customers in  
8 states satisfied. Describe what you want, we have it.  
D. O. BANCROFT, OSBORNE, KANSAS.

**POLAND CHINAS.**

**Sunny Side Poland Chinas**  
Bred sows and spring boars for sale, priced right.  
Satisfaction guaranteed. J. G. Burt, Solomon, Kan.

**Albright's Fall and Winter Boars**

and Gilts for sale. 40 head of nice, smooth indi-  
viduals, sired by Cavetti's Mastiff, by King Mastiff,  
and out of big type sows. Write for prices.  
A. L. ALBRIGHT, Waterville, Kansas

**LARGE WITH PLENTY OF QUALITY!**

Handsome young boars, gilts bred or open.  
Best of large type blood lines. Some boars,  
herd leaders Satisfaction guaranteed on all breeding stock.  
OLIVIER & SONS, DANVILLE, KANSAS.

**Harry Hoak's Poland Chinas**

Spring boars and gilts, pairs and trios un-  
related. Fashionable big type blood lines.  
The finest lot of pigs we ever raised. Call  
or write today. HARRY HOAK, Attea, Kan.

still stand and have made them at all  
ages. In Oakland's Sultan 18535, the  
senior herd bull, Mr. Linscott not only  
has the only registered merit bull in Kan-  
sas but he has a bull that is bred in Kan-  
sas and a sire of winners. This bull  
was first on the Island of Jersey in 1907  
and is the sire of champions. His daugh-  
ters in milk have made records and his  
sons have bred on. His sire, Sultan of  
Oakland's, was a champion and his dam,  
Nuriel 2d by Golden Hero was a first  
prize winner. His ancestry far back are  
of champion stock and it isn't any wonder  
he has proven such a great sire. The  
junior herd bull, Rose's Black Fox 102225,  
is fitted in every way to be a worthy as-  
sistant to such a great bull. He is by  
Eminent's Flying Fox by Eminent and out  
of Black Rose 4th (M. C.), a register of  
merit daughter of Golden Maid's Prince,  
second dam by Sultan, third dam by Eminent.  
The females, individually and col-  
lectively, are considered as fine a collec-  
tion as can be found anywhere in the  
West. A notable purchase last year and  
one that added strength to an already  
strong herd, was the purchase by Mr. Lin-  
scott of 15 choice heifers bred to the great  
Gamboge's Knight. These were purchased  
from the White Horse Farm at Paoli, Pa.  
The calves have all arrived and are a great  
lot. For the most part the heifers will be  
retained in the herd, but Linscott says he  
will sell two or three heifers and has two  
or three very choice bulls he will sell. One  
of these heifers is Gamboge's Mayoresa,  
dropped June 30 last year. She is out of  
Golden Lad's Mayoresa that was on regis-  
ter of merit test for a year. This is a  
very handsome heifer, lovely head, lofty  
carriage, a great individual with great  
udder development. The bulls which are  
for sale include Fauvic's Eminent Noble  
109155, born April 25, 1912. He is a fawn  
with little white and is one of those trim  
built, muscular young bulls that have the  
impressive power beyond what their inches  
indicate. He is sired by Eminent Clair's  
Noble and is out of Fauvic's Wildrose. No  
breeder needing a service bull of the right  
stamp can afford to overlook this fellow.  
The bulls all through are a top lot and  
Mr. Linscott can supply the trade in bulls  
of most all ages.

**E. Iowa and Illinois**

BY HARRY W. GRAHAM.

Harris & Sons's Herefords.  
This firm reports some extraordinary  
sales for this season. They have had the  
biggest run on bulls they ever had at pri-  
vate sale. They are located at Harris, Mo.,  
and enjoy the distinction of being the  
greatest Hereford breeding establishment  
in the West. They are claiming October  
23 as their next sale date and have select-  
ed some very choice females and males  
for this sale. Watch this paper for the  
announcement of this sale with full par-  
ticulars. They stand behind every animal  
they send out with a guarantee as good  
as a government bond.

**S. E. Kansas and S. Missouri**

BY ED. R. DORSEY.

J. T. Bayer, Yates Center, Kan., has a  
fine lot of Berkshires and Shorthorns and  
is one of the oldest breeders and exhibi-  
tors of Berkshires in Kansas. He has 125  
head of strictly high class Berkshires, re-  
presenting Royal Baron, Dictator, Lee Star,  
Lee's Masterpiece, B. D.'s Centerpiece, Sec-  
ond Masterpiece, Bayer's Beacon and Ideal  
Centerpiece. Mr. Bayer is offering 60 head  
of good, big, early spring pigs and 30 bred  
gilts and sows, two extra fine September  
boars and two mid-winter boars. In those  
for sale are as good show prospects as were  
ever owned on the New York Valley Stock  
farm, and Mr. Bayer has been feeding up a  
winning herd for several years. This stock  
is in fine shape to take on the show floor  
right now. The owner is very reasonable  
in his prices. He says he is not selling  
hot air and is pricing his hogs to sell, not  
to invoice them.

**Editorial News Notes.**

According to the records of the Farmers  
Alliance Insurance Company of McPherson,  
Kan., more than half of all the losses paid  
by this company in Kansas during the  
year 1912 were for wind, the remaining  
losses being about equally divided between  
fire and lightning. The Farmers Alliance  
Insurance Company insures against wind  
at cost, making the expense of this class  
of insurance only a trifle. Under these cir-  
cumstances, it would seem that not a stock  
home in the state would be without wind-  
storm insurance, and that those who up to  
this time have neglected the duty of pro-  
viding themselves with such protection would  
be writing the company at once.

**Absorbine in Treating Fistula.**

Absorbine can be applied to an open sore,  
not only with safety, but with the assurance  
that it will promote a healthy healing  
process and kill the germs. This is one  
reason why it is so effective in cases of  
fistula. There is no danger of infection or  
proud flesh formations where Absorbine is  
used. A bottle of Absorbine diluted as per  
the formula on the label, makes three gal-  
lons of effective liniment at a cost of 80  
cents a gallon. This diluted liniment is  
positively antiseptic and germicidal. At  
dealers \$2 a bottle or sent direct, express  
prepaid, upon receipt of price. W. F. Young,  
P. O. F., 209 Temple St., Springfield, Mass.

**Buy Tools That Are Made on a Money-Back Guarantee.**

There's only one way to be sure of qual-  
ity when you buy farm tools—get them  
backed up by the maker's guarantee. If  
you buy any Keen Kutter tool that is not  
absolutely perfect, the Simmons Hardware  
Co. have authorized your dealer to make  
it good without question or refund your  
money if desired. It is therefore advisable  
to look for the Keen Kutter trade mark  
before you buy any tool. You'll probably  
need some scythes and potato hooks—we  
can positively recommend the Keen Kutter  
line. There's splendid "hang" and balance  
to Keen Kutter snaths and the snaths are  
strong and durable, being fashioned from  
straight-gained lumber. The scythes are  
made of the finest quality steel. Keen  
Kutter potato hooks are well made—they  
have strong, flexible tines and are made to  
stand heavy work.

## POLAND CHINAS.

**BIG BARGAINS—BRED SOWS.**  
6 of our herd sows, bred and safe to Gold  
Mine, for July and September farrow. 5  
last fall gilts, safe to Best Price. Best bunch  
of spring pigs we have ever offered. Priced  
right.  
DIETRICH & SPAULDING, Richmond, Kan.

**NEBRASKA TYPE POLANDS**

Choice summer  
and fall boars  
and gilts, by Haden's Big Hadley 2nd, Pan Wonder, and  
Neb. Chief. C. C. INGRAM, Bloomington, Neb.

**Polands, with Size and Quality**

Bred sows  
and gilts;  
also boars all ages for sale, sired by Wacchi's Redeye,  
Quams and King Hadley, Lambert Bros., Smith Center, Kan.

**100 SPRING PIGS**

Sired by King Hadley, King  
Blain, Jr., King John and  
Long John 2nd; priced right and guaranteed.  
W. Z. BAKER, RICH HILL, MISSOURI.

**Large Type Yearling Sows**

Sired by and bred to boars weighing between 600  
and 1000 pounds and due to farrow in August and  
September. Thos. B. Murphy & Sons, Gering, Kan.

**Klein's Tabor Valley Herd**

Big type Poland China fall gilts bred or  
open, sired by my Iowa boar and out of my  
big matured sows. Write for prices.  
L. E. KLEIN, ZEANDALE, KANSAS.

**COLUMBUS**

The 1056-lb. Grand Champion, 1912, Nebraska, Kan-  
sas, Missouri and American Royal, heads my herd  
**Big Type Poland Chinas**  
R. B. BAIRD, Central City, Nebraska

**HILDWEIN'S BIG POLANDS**

Make your selections from my large herd of the  
"big kind". They are the kind that make good.  
Public Sale October 29.  
WALTER HILDWEIN, FAIRVIEW, KAN.

**THURSTON & WOOD'S Poland Chinas**

The large, smooth kind. Fall boars, handsome fel-  
lows by U. Wonder by A. Wonder, also gilts by this  
great son of A. Wonder and bred to Orange Lad by  
Big Orange. Thurston & Wood, Elmdale, Kan.

**Schneider's Poland Chinas!**

20 head of good fall gilts. Some bred for  
September farrow, others offered open. A  
few good fall boars that I am pricing cheap to move them.  
JOE SCHNEIDER, NORTONVILLE, KAN.

**Special 30-DAYS OFFER**

Choice Poland China spring pigs, either sex, \$20, express  
paid. Certificate with every pig. Satisfaction guaranteed.  
Howard R. Ames, Maple Hill, Kan.

**GEO. W. NOWELS, GLASCO, KAN.**

45 March boars and gilts for sale. Medium  
type. Size and quality. Pairs and trios not  
related. Prices right. Address as above.

**John Harter's September Boars**

25 selected Sept. boars to pick from. Sired  
by Mogul's Monarch, Long King, Prince  
Hadley and Gebhart. Well grown and de-  
sirable as herd boars. Prices right. Satis-  
faction guaranteed.  
J. H. HARTER, WESTMORELAND, KAN.

**Royal Scion Farm Durocs**

The great Graduate Col., assisted by Col. Solon, heads  
this herd. Spring and fall boars, some of them show and  
herd header material; also a few gilts and spring pigs,  
either sex. G. C. Norman, R. 10, Winfield, Kan.

**MAMMOTH IDEAL BOARS and GILTS**

Mammoth Ideal 5459, one of the biggest and best boars of the breed, in service, assisted by Expansive  
B. by Expansive. I can supply your wants in herd boar material, in choice breeding gilts. Get my  
descriptions and prices before buying.  
M. T. WILLIAMS, VALLEY FALLS, KANSAS

**PLEASANT HILL STOCK FARM POLANDS**

Long King's Best, Sampson Ex and Moore's Halvor, a trio of unusually fine big-type boars in service.  
Booking orders now for spring boars and gilts—over 100 head to select from. These are bred right,  
fed right and priced right.  
HENRY GRANGER & SON, LANCASTER, KANSAS.

**Robinson's Mammoth Poland Chinas!**

My herd boars weigh from 800 to 1,025 lbs. Now have for sale, two good tried  
boars and a few extra good last fall pigs of both sexes. My terms are: If you are not  
satisfied return the hog and I return your money.  
F. P. ROBINSON, Maryville, Mo.

**BIG TYPE BRED SOWS FOR SALE**

Daughters of Long Wonder (a double bred A Wonder) and King Mastodon 2nd, bred for summer  
farrow, to Orange Model 2nd, by Big Orange and out of a Pawnee Lad dam and to Expansive Wonder,  
by Expansive. These are extra good, strictly big type with quali-  
ty and will please. Also fall gilts and spring pigs. Write or call.  
W. E. LONG, Merton, Kansas.

**BIG TYPE UNPAMPERED BERKSHIRES**

200 sows bred to Fair Rival 10th, King's 4th Masterpiece, Trustype, King's Trustype, and the great show  
boar King's 10th Masterpiece. All long large and heavy boned. Sows farrow every month in the  
and June. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's  
year.  
E. D. KING, Burlington, Kansas

**EX B. by EXPANSIVE**

one of the greatest breeding  
boars of the day heads my  
herd of over 250 head. Two  
extra good boars by him, August farrow, for sale. Also choice line of fall gilts, open.  
Booking orders for spring pigs. Write or call.  
W. E. WEBB, BENDENA, KANSAS.

**Big Orange, Big Sensation & Ott's Big Orange**

in service in my herd of POLAND CHINAS. For sale—Pigs  
of both sexes, and boars of most all ages of the correct type  
that will please you.  
J. O. JAMES, Braddyville, Iowa

## POLAND CHINAS.

**Poland China**

tried sow and  
fall gilts, bred  
or open. Big type boars and big mature dams  
J. F. FOLEY, Oronoque (Morton Co.), Kan.

**Green Lawn Stock Farm of Adrian, Mo.**

is offering 40 Fall and Winter Males that will weigh  
from 100 to 250 each. No better Poland Chinas on  
earth. Also a number of bred gilts.  
JAS. T. ELLIS, ADRIAN, MISSOURI  
Successor to A. J. Erhart & Sons.

**BIG SMOOTH BRED GILTS**

By A Wonder's Equal by A Wonder out of dams  
by Knox All Hadley by Big Hadley. Growing year-  
lings with extra size and quality, bred for early  
fall litters to the noted Orphan Chief.  
A. E. ENOS, RAMONA, KANSAS.

**Fall and Summer Gilts**

15 fall gilts open, 10 summer gilts bred and open  
yearling and tried sows bred for fall farrow. Also  
an attractive herd boar sired by E. C. LOGAN,  
(Mitchell Co.) SOLOMON RAPIDS, KAN.

**Mt. Tabor Herd Poland Chinas**

(BIG AND MEDIUM TYPE)  
For sale: Fall boars and gilts and 100  
spring pigs, sired by Big Mogal and College  
Special 5th. Bred sows and gilts of either  
type. Herd Immune.  
J. D. WILFONG, ZEANDALE, KANSAS

**POLAND CHINAS!**

Bred sows at private sale. Also fall and  
spring boars. Sows bred to Tom Lipton,  
Welcomes, Iron Glad 2d and others. Priced  
right. Ask for prices and descriptions.  
JOSEPH M. BAUER, ELMO, KANSAS.

**Dean's Mastodon Poland**

Poland China hogs, the big-boned type, will weigh  
when mature, 500 to 1,000 lbs. Will sell a few boars  
of serviceable age, also choice brood sows and gilts,  
bred to my herd boars. All  
Immunized by Double Treatment

Herd headed by Mastodon Price, Columbia Wonder  
and Gritter's Longfellow 3d. Everything guaran-  
teed and sold worth the money. Address  
CLARENCE DEAN, WESTON, MISSOURI

**A. D. JONES**

OF DUNLAP, IOWA  
has for sale 40 fall boars sired by 1,000  
pound boars and from 600 and 800 pound  
dams; strictly big type Poland Chinas. I  
breed for length, bone, large litters and  
quick maturity. I also have 50 fall gilts,  
to be in the market this fall and winter  
and 100 spring pigs that are doing fine.

**Fall Boars all Sold**

I am now offering a tried herd boar,  
an excellent individual and breeder.  
Priced where any good farmer can buy  
him. Also three January boars.  
E. B. WALTER, Effingham, Kan.



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Capital and Surplus  
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Live Stock Com. Co.  
ALL MARKETS

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Manufacturers of Excello Brands of Molasses Grain feeds. A balanced ration feed for all kinds of draft and driving horses. Excello Dairy feed shows results. Send for prices and testimonials.

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Is the Friend Who Helps to  
Better Your Condition  
from Year to Year

In a nutshell, that is one of the reasons why shippers of the West and Southwest are becoming more friendly to the St. Joseph Live Stock market every year.

The competition established by St. Joseph brought the whole Missouri River market to a parity with the East, regardless of freight differentials.

This in turn has made the St. Joseph trade territory the richest, most prosperous the world has ever known.



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STOCK IS  
FATTENING  
YOU DO  
THE THINKING**



A. G. Prey, Pres. G. Dixon, 2nd V. Pres. R. L. Austin, Treas.  
L. E. Cooper, 1st V. Pres. H. B. Hamill, Secy.



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TWELVE YEARS OF SUCCESSFUL BUSINESS

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**Some Saddle  
Right Price**  
Weight 35 lbs., 17-in. bulge  
**\$32.50**

Features of this saddle: The weight, 35 pounds; 17-in. swell bulge; the price, \$32.50. Order now—the price is right—don't delay. This saddle sent C. O. D., freight prepaid for examination. If saddle is not as represented return at our expense.

H. & M. HARNESS SHOP,  
Stock Yards, St. Joseph, Mo.

**Transit House**



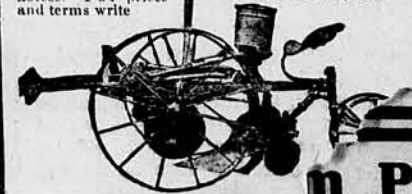
Finest, Best equipped hotel connected with any stock market in the West. Sixty rooms, hot and cold water, baths, elevator and all modern conveniences.

Unexcelled Cafe. Best service; moderate prices. When you come to St. Joseph, try the Transit.  
A. W. MACDOUGALL, Manager.

**SWANSON NEW COMER**  
4-WHEEL RIDING LISTER.

Screw shaft regulates suction, whether lister runs deep or shallow. Requires only 3 horses. For prices and terms write

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



n Paper



## What Farmers Are Thinking

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

### Free Wool and the Price of Cotton.

Mr. Editor—At the risk of being considered a lobbyist, I want to say a few words in the interest of the men who hold the plow handles of this nation. It concerns tariff legislation, particularly as it relates to free wool. I notice from the press reports that most every line of industry affected by tariff schedules has been represented before the committee by silver-tongued stockholders and political attorneys. They have had their paid press agents herald their views to the world, but the farmer is busy in the field and would not know how to lobby if he had the time and money to go to Washington, and he is, at best, a poor writer.

It is asserted by men in the nation's council that placing wool on the free list will not affect the price of cotton, and by others equally well informed that it will reduce the price of cotton. But I have heard no authority contend that the proposed legislation will increase either the price of wool or the price of cotton, and as these fibers are the money crop of the South, I want to speak a word of caution to congress on behalf of the cotton growers of Texas, and I am sure our interests harmonize with the farmers of the South, and of the entire nation.

I fully realize the tariff is a question that has puzzled our foremost statesmen from the beginning of government, but if the sheep herds of this nation are destroyed and the price of cotton reduced as a result of tariff revision, the farmers will be able to fully comprehend the meaning of the law without the assistance of an interpreter. We want material as well as political prosperity. We hope it will not be necessary to shorten our meals to fulfill platform demands or bow or backs to carry out pre-election promises. All tariff legislation should be squared with the soil, as all our wealth must come from the earth.

I have the utmost confidence in the ability of those whom we have duly authorized to represent us in government, and I am willing to abide by their judgment. My only desire at this time is to perform my official duty by uttering a word of caution to those who are dealing with our destinies insofar as relates to tariff revision.

I will leave the subject by laying down a yardstick for the measurement of legislation which is so simple that all who care to may apply it. As a general rule, no law is of any practical value to the people as a whole unless it results in increasing the price the producer receives for a commodity, or decreasing its cost to the consumer. Increases in prices that are waylaid on their journey from the consumer to the producer, demonstrate the inefficiency of law, or error in our economic system. Our laws should not only possess good intentions, but business ability as well. The dream of the theorist should be combined with the horse sense of the builder, that efficiency may be attained and service performed.

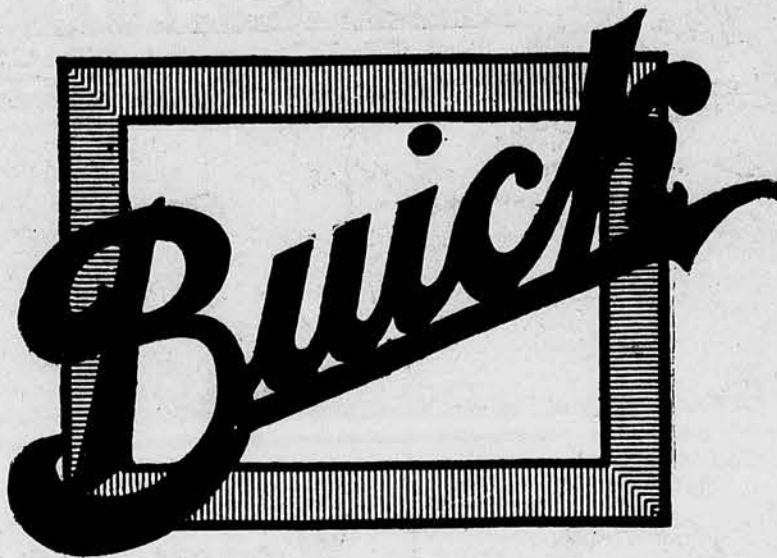
The solicitude of the government for the welfare of the dealer is fast making us a nation of traders, detectives and pawn-brokers, and is clogging the machinery of government with the problems and disputes of dealers. The producer in the end foots the bill. Let us get "back to the soil" with legislation and rest our tariff and all our laws on the bed-rock of agriculture.

PETER RADFORD.

President Texas Farmers' Union, Ft. Worth, Tex.

There are 3,216 girls and women studying domestic science and art, that is to cook, sew and keep house, in seven agricultural colleges of and, remarkable to relate, they are enrolled in the Union at Manhattan.

Every Moving Part Fitted  
to a Hair's Breadth



## WHERE THERE'S LIFE THERE'S A BUICK

Do you ever go anywhere in town or country, that you don't see a Buick?

Stop any Buick driver anywhere and ask him how his car runs.

Ask him about Buick power.

Ask him how much mileage he gets to the gallon of gasoline.

Ask him about Buick service, and how his car is standing up.

His answers will back up every claim we make.

The Buick Overhead Valve Motor has more power and more speed than any other type of motor ever built. It will pull stronger on low grade gasoline and the fuel consumption is less.

Ask your dealer for a ride in Model 31 Buick.  
Write us care Dept. M for catalog.

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