

THE FARMERS MAIL AND BREEZE

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Number 34

The Spoils System and What It Is Costing You

What is the spoils system we hear so much about?

It is the farming out of public offices to party workers by the political bosses; it is the turning over of public positions to be used as rewards for party workers, vote-getters, ward-heelers and pluggers.

Once in a while one of these men may develop a capacity and an efficiency in his work as a public servant which makes him useful to the people.

Occasionally one gets in who rebels at graft.

But the efficient man is promptly turned out whenever "the other side" wins an election, or is allowed to have his office for two terms by the bosses of his own party. After that he must make room for a new and untried man who knows little or nothing about the work of the office.

The man who rebels against graft or who otherwise fails to "play the game," as it is called, is defeated by his party machine at the next election, or "charges" are filed against him as a "back-fire"; a case is made if possible; the machine gets rid of him and the public is the loser.

The spoils system usually makes two men necessary to do one man's work.

This is particularly true of department positions in the public service. First there is the political figure-head who draws the big salary. He may be a penitentiary warden, an oil-inspector, or hold any other one of the bigger jobs in the state, county or federal government service. Under him is the man who is the real commissioner, who knows and does the work of the office. He is paid a salary nearly as large as the man who is merely the figure-head, and in this way the public gets its work done, after a fashion, at twice the expense this work should cost.

If this phase of the spoils system could be eliminated from the federal service alone, it would save the American people 300 million dollars a year in taxes. This is the estimate of a noted public man, made more than a year ago, and it stands unchallenged.

Isn't it time that we begin to apply common business sense—to say nothing of honesty and decency—to public offices?

Arthur Capper



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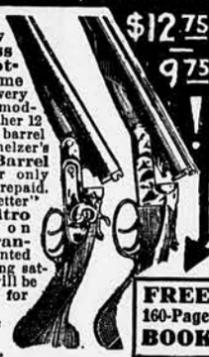
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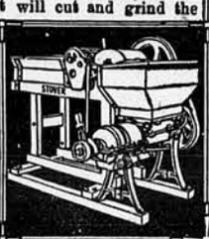
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Promising Outlook for Wheat

Some Fields Have Furnished Much Needed Pasture For a Month—
Large Amount of Fall Plowing Under Way—General
Farm and Crop News

BY OUR CROP CORRESPONDENTS

NOT many seasons have shown a more even stand or healthier growth of wheat the first of November, than the present one. And seldom has fall wheat furnished such excellent grazing nor has it been as welcome as it is now. Weather and soil conditions since seeding time could hardly have been more favorable and the crop shows it.

The same conditions that are making wheat do well are responsible for an extensive acreage of fall plowing for spring crop being done. Which is a very commendable move in every part of the state except perhaps in such sections where there is danger of blowing in late winter and early spring. In some such districts blank listing is being resorted to. The plowing that is done now will turn up millions of hibernating insects and their eggs, to be killed by exposure. Left rough, such plowing will also catch and hold the fall and winter rains.

The drouth played no favorites in Kansas last summer. In old, substantial Brown county, according to A. C. Dannenberg, corn is being shipped in for the first time since 1876. In Atchison county the new crop of corn is almost fed out already. In the same county, writes C. H. Feerer, horses are more numerous on many farms than cattle.

KANSAS.

Scott County—Fine wheat sowing weather. Have had some frost. Some cattle lost by cane poison. Stock doing well. Feed all up. Farmers preparing for winter. Some sweet clover sown this fall.—J. M. Helfrick, Oct. 25.

Pratt County—Wheat all sown. We have a lot of wheat pasture. Ground well soaked with water. Corn fodder has spoiled considerably in the shock. Kafir and alfalfa have done well since rains.—J. L. Phelps, Oct. 24.

Kiowa County—Ideal fall. Wheat thriving. No damaging winds for some time. Two sharp frosts but the vegetation on higher land shows no effect of it yet. No hog cholera. Eggs 25c, butter 30c.—H. E. Stewart, Oct. 25.

Stanton County—Have had a few local showers and a light frost lately. Wheat being put in and the early wheat that is up looks fine. More moisture in ground than for years at this season. Eggs 20c and butter 25c.—G. S. Greger, Oct. 23.

Finney County—Fine fall weather. Quite an acreage of wheat being sown. A number of sales this fall. Cattle and hogs selling at good prices. Horses and mules are not selling so well. Seed wheat \$1 bushel, butter 30 to 35c and eggs 30c.—F. S. Coon, Oct. 25.

Chase County—Plenty of moisture now. Ground in fine condition for fall work. A lot of feed being shipped in, mostly corn and oil cake. Some fall feeding being done but stock has been largely cleaned out. Few sales compared to other years.—W. J. Dougherty, Oct. 27.

Ford County—Weather cool and cloudy. Wheat seeding about finished. A large acreage has been sown. Plenty of good wheat pasture. Another light crop of alfalfa being put up. Some fall plowing being done. Wheat \$1c, corn 82c, butter 25c, eggs 26c.—John Zurbuchen, Oct. 18.

Pottawatomie County—Fine fall weather. Kafir cutting in full tilt with about two-thirds yield of fodder and no seed. Wheat all in and looking good with larger acreage than usual. Fall plowing for spring crops begun. Corn 80c, oats 46c, butter fat 27c.—S. L. Knapp, Oct. 24.

Wilson County—Moisture enough for crops but not much stock water. Wheat up and looking fine. Clover nearly all dead. Alfalfa, kafir and cowpeas kept alive. Very little seen on kafir and cowpeas. Not more than 10 per cent of a corn crop and grain is being shipped in. Corn about 80c.—S. Canty, Oct. 23.

Marshall County—Wheat all sown and up. Some frost. Alfalfa still green, but will hardly make another cutting. Ground in good condition to plow. Plenty of moisture. Rain delayed threshing but it will be completed this week. Kafir and other garden stuff damaged by frost. Wheat 78c, corn 79c.—F. G. Stettinisch, Oct. 24.

Dickinson County—Wheat all up and making a good growth. Stock doing fine on late pastures. Feed will be scarce by spring. Considerable hog cholera in the county. Farmers vaccinating with excellent success. Some stock dying with alfalfa bloat and sorghum poisoning. Good many potatoes shipped in at 90 to 95 cents. Apples 90 to 95c, corn 82c.—F. M. Larson, Oct. 25.

Sumner County—Rain plentiful and everything growing fine. Large acreage of wheat being sown this fall. Wheat seeding is finished here. Early wheat making fine pasture. Some farmers cutting alfalfa. Plenty of feed. Some cattle being shipped in to feed. Horse and mule trade slow. Wheat 80c, corn 80c, oats 52c, potatoes 95c, butter fat 28c, butter 25c, eggs 26c.—E. L. Stocking, Oct. 23.

Brown County—More wheat sown than for many years, and it is looking fine. Cattle high. Much fall plowing being done. Ground in fine condition. Very little corn to husk, and what there is of poor quality. Corn being shipped in for feeding the first time since 1876. Price 76 cents. Wheat 73c, oats 40c, potatoes 85c, eggs 20c, butter 25c, cream 27c, hens 11c, hogs \$7.50.—A. C. Dannenberg, Oct. 25.

Jewell County—Weather cool and windy. Larger acreage of wheat sown than for

several years and it shows a good stand. Have had some hard freezing weather. Feed all cut and put up. Ground in fairly good shape but could stand more rain. Good many persons from here registering for the Nebraska land. Not much old corn. Wheat 80c, hogs \$7.30, butter fat 26c, eggs 24c, old corn 84c.—S. C. DePoy, Oct. 25.

Greenwood County—Everything looks good here. Vegetation is still green and growing. Alfalfa sown the middle of September is doing fine. Corn in the shock has been selling at \$11 to \$20 an acre. No stock of any kind changing hands except a little butcher stuff and brings good prices. We have no fruit and no potatoes here. Corn being bought at 32 cents on track. Prairie hay \$14, alfalfa \$12 to \$15.—E. E. Rardon.

Atchison County—Condition of growing wheat ideal. Acreage not as large as last year. Plenty of moisture all fall. Pasture abundant. Cattle never as scarce. Very few hogs will be left by the end of the month. Many farmers have more horses than cattle. Horses and mules being shipped out. This year's corn crop nearly all fed out. Plenty of rough feed for stock. There is some complaint about fodder spoiling in shocks.—C. H. Feerer, Oct. 18.

Morris County—Excessive rains and small floods the order for last 30 days, which has greatly damaged early cut fodder and delayed cutting the remainder of the crop. A temperature of 26 degrees on October 20 killed all growth. Considerable corn caught by frost. Alfalfa not much hurt. Wheat ready for pasturing. No kafir or cane seed to speak of. Hogs getting scarce and shippers buying on a big margin. Butter fat 26c.—J. R. Henry, Oct. 25.

Sherman County—Wheat nearly all sown and first seeding up nicely. Will need moisture soon. No rain for three weeks. Some rye sown for pasture. Much blank listing being done, also some plowing. Very little corn to husk. Feed being stacked and some old feed being held over. Stock selling well and doing fine on pastures. Cows \$45 to \$70, calves \$20 to \$25, corn 68c, wheat 65c to 74c, barley 50c, potatoes 90c to 95c, apples \$1.25 to \$1.60.—George Corkill, Oct. 25.

McPherson County—Enough rain has fallen in last 40 days to last a year had it been evenly distributed. Wheat about all sown and many fields good enough to pasture, but are too wet. All wheat looks fine. Alfalfa crop fairly good and being harvested under difficulties, there being too much rain. Cattle doing fine and selling rather high at sales. Hog cholera reported from all parts of the county. Thousands of dollars worth of poultry sold this fall. Light frost October 20. Wheat and corn 82c.—John Ostlund, Oct. 23.

OKLAHOMA.

McIntosh County—Nice fall weather but are having more rain than needed. Small acreage of wheat, but it looks well. Last cutting alfalfa light. Light frost October 23. Cotton \$4 to \$4.25, corn 65 to 75c, oats 50c, potatoes \$1.25, sweet potatoes \$1, eggs 25c.—H. S. Waters, Oct. 25.

Roger Mills County—Plenty of rain. Wheat looking good. Larger acreage sown than usual. Killing frost Oct. 19. Cotton not all picked yet. Some feed killed by frost. Fair crop of alfalfa to be cut yet. Some calves dying with blackleg. Few sales being held. Hogs \$7.45.—Unsigned, Oct. 21.

Texas County—We need rain. Wheat drills running full time. Early wheat looks fine and some of it used for pasture. Feed nearly all cut and some stacked. Things sell pretty well at sales. Stock hogs slow sellers. Feed is high. Wheat 85c, corn 85c, barley 60c, eggs 25c, butter 25c, coal \$6 to \$8.50 ton, apples \$1.75, potatoes \$1.40.—Frank Free, Oct. 25.

Kiowa County—More rains since last report. Some silos yet to be filled. Kafir threshing under way. Wheat up fine and flourishing. Cattle pasturing on volunteer oats. Farmers fattening hogs for butchering and for market. Plenty of stock water now. Ground in fine condition. Cotton picking will be over by October 31. From October 20.—Mrs. Alice Henderson, Oct. 21.

Guernsey Breeders Meet

At the recent annual meeting in Kansas City the Southwest Guernsey Breeders' association voted to change the name of the organization to the Middle West Guernsey Breeders' association. The change in name was made solely to avoid confusion with an organization by the same name in Wisconsin, and also with the Southwest Jersey Breeders' association with headquarters at Kansas City.

Conway F. Holmes, Kansas City, Mo., was re-elected president; R. C. Krueger, Burlington, Kan., was re-elected vice-president, and Dr. Lloyd Champlain, Kansas City, Mo., was re-elected secretary-treasurer, and thus the association approved its work of the past year.

Mr. Holmes is the owner of Overland Guernsey farm at Overland Park, Kan., a Kansas City suburb; Mr. Krueger is a veteran breeder and enthusiastic admirer of Guernseys; Dr. Champlain is not a Guernsey breeder but a dairy cattle expert and an enthusiastic Guernsey admirer.

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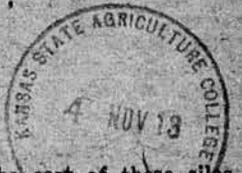


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FROM GRAIN CROPS TO CREAM IN WESTERN KANSAS



WESTERN Kansas people are real optimists. In addition, they have a supply of nerve and faith in the future of the western part of the state that is encouraging. There are, it is true, a few discontented ones who are leaving, but the real, genuine, short grass man is staying. He is going to try it a while longer, in spite of the fact that crops for the last three years have not been up to the usual standard.

A traveler in the western third of Kansas easily can notice a change in the farming plans and ideas. The condition of the wheat crop no longer is the paramount theme. Instead, livestock, pit silos, drouth-resistant forage crops and pumping plants are subjects in which farmers are especially interested. The era of exclusive grain farming in western Kansas has gone.

There is considerable difference between the people now in most parts of western Kansas and those who were there 20 years ago. Of course, there are many old settlers, but the proportion is not high. Much of that section has been partly settled several times—for settlers fell into the habit of coming out in wet years and leaving after a dry season or two had eliminated the profits in grain farming. In most cases, the changing settlers used a type of agriculture that was not adapted to the country.

There is a very definite reason for the bad farming methods that have been the rule in too many cases in western Kansas. The settlers generally came from humid sections and applied the only methods of crop growing they knew; and these methods worked fine, too—in the wet years. It was difficult to prove to men that methods that are successful in Illinois will not do in western Kansas, after they had seen them successfully used in the wet years for a season or two. And, in many cases, these men didn't change their methods, either. When the dry years came and cut short the crops, they merely packed their belongings, consigned the western part of Kansas to the burning pit, and went back to the rain belt.

Most of the people now in western Kansas are not of this type. Many of the farmers have lived through several dry periods, and they know the good years will come again. There are some discontented ones, of course, but their number is not especially large. The aim of most men is to work out a farming plan which is logical, which will work in dry as well as in wet years. Such a plan must be based on livestock and drouth-resistant crops.

There is an especially large interest in dairying. This is because of two reasons; the cream is paid for on delivery—which is desirable because it allows a steady income—and the cows are usually available, although the number frequently is small and the quality poor. Better cows will come later. Most towns in western Kansas now have cream buying stations.

Dairying at Lakin

Lakin, a town on the Santa Fe 440 miles west of Kansas City, is in a section where there is an increasing interest in dairy cows. There are cream-buying representatives there for the creameries in Topeka, Great Bend and Colorado Springs, and about 60 farmers deliver butter-fat to these buyers. Some of these men live out a long distance; in some cases as much as 15 miles.

The industry is, of course, not so well developed as it might be. The herds usually are small and of ordinary stock. Frequently, little special care is given the animals. Few of the dairymen have even a purebred sire. But the fine thing is that the men have a line that will bring them in a constant

Livestock, Drouth-resistant Forage Crops and Silos the Safeguard

By F. B. NICHOLS
The Farmers Mail and Breeze

income—even if it is small—and it gives them something on which to depend. Grain farming will not do this. Better cows and equipment will be the rule in the future.

"Dairying is the way out for the farmers of this section," said D. H. Brown, cashier of the First National bank of Lakin, who is interested with his son, Charles, in a herd of Jerseys, many of which are purebred. "The men here who are keeping cows or young growing stock are getting along well. It's the grain farmers who suffer in dry years. I have a great belief in the future of this country—and I've been here since '79—but a logical system of farming can be based only on livestock."

"Yes, dairying is the best line here," said A. B. Boylan, who has a herd of 12 Jerseys, several of which are purebred. Mr. Boylan is one of the older settlers; he helped build the Santa Fe railroad. "Dry seasons will come, but they can't entirely elimi-

silos in that country. The cost of these silos, exclusive of the labor, has been light. The silo constructed by W. H. Tebo is a fair average of those in that section. It is 25 feet deep and 15 feet in diameter, and it cost less than \$50, not including labor.

Clyde McKee, district demonstration agent of the Kansas Agricultural college for northeastern Kansas, is much in favor of pit silos. He said: "I believe in pit silos. Naturally, there are a few objections to them, but it has been demonstrated by many dry-land farmers in recent years that silage keeps perfectly in properly constructed silos of this type. True, the pit silo is a substitute or makeshift, but did not the pioneer use a substitute, the sod house, until he could afford to construct a better dwelling? Then why should not the western Kansas farmer construct one or two pit silos and use them until he can afford better? They are cheap, and excellent silage can be made in them."

"In order that a pit silo may be a success, the soil where it is located must be firm, dry and well drained. The soils of western Kansas, with a few exceptions, are almost ideal in that respect, and only in very low places is there any danger of water seeping in and spoiling the silage. A pit silo should never be built in a humid region. The silo should be located convenient to the place where the silage is to be fed. It is often desirable to dig it at the end of the barn, to build a small shed over it, and to handle the silage with a carrier similar to the litter-carrier or the common hay-carrier equipment. Where feed lots are near a steep bank, it is desirable to build the silo near the edge of the bank, so as to have a series of doors on one side. These have to be reinforced. Each case must be considered separately and requires individual planning."

Butterfat Brings Cash

"Good prices are paid for butterfat at Lakin by all the buyers," said H. S. Darr, who is the representative of the Merritt-Schweir Creamery company of Great Bend. "The price usually is about 2 cents under Elgin quotations. We give a check for the cream when it is delivered. Most of our patrons do not deliver large amounts—in fact there are no men here who keep a large number of cows. I believe there will be a considerable increase this fall in the price of butter-fat."

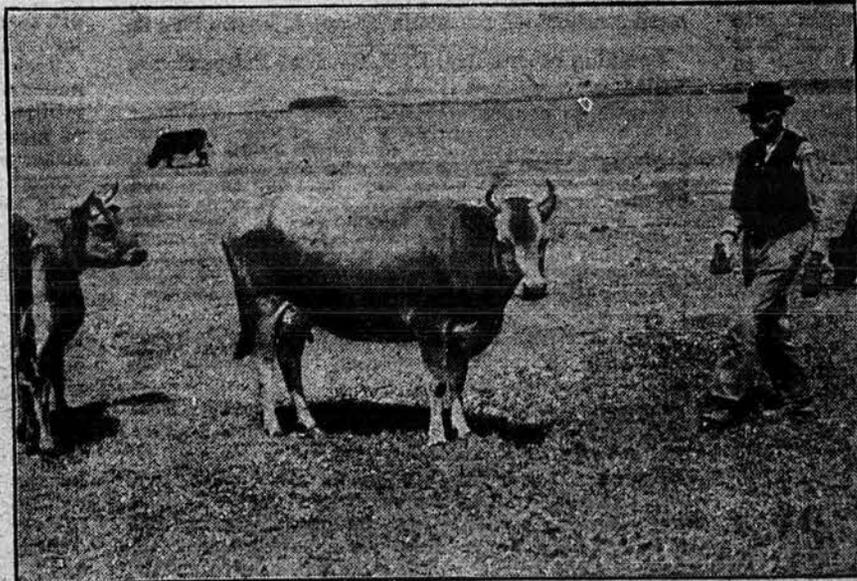
Sugar beets are not nearly so popular along the Arkansas river, from Garden City to Lakin, as they once were. The growers allege that the market price is not high enough to afford them a fair profit. Much of the land formerly in sugar beets has been put in alfalfa. A great deal of this hay is being fed to dairy cows. Even the United States Sugar and

Land company, which has been in the lead in the development of sugar beet growing, planted 1,600 acres of alfalfa last spring.

Most of the farmers along the Arkansas from Lakin are also interested in livestock. Those around Garden City are going in for a larger number of beef cattle than those at Lakin, and are keeping a smaller number of dairy cows. The great interest in sweet clover and drouth-resistant crops around Garden City has increased the number of beef cattle.

"There is no reason why this country should not keep cattle," said Milton Marshall of Garden City, who has kept from 100 to 200 head for many years. "We have the water and the feed. Of course, it takes more ground for pasture here than in some sections, but even with this, livestock farming is the only logical system for this country."

It is no use to continue blindly to buck the stone wall of grain farming in western Kansas.



IT TOOK YEARS TO INTRODUCE DAIRYING AND PUREBRED STOCK.

nate the cream checks, as they can eliminate the grain checks. There never was a season so dry that we didn't raise some feed.

"Alfalfa is the most profitable leguminous crop here, and sweet clover comes next. There has been a considerable increase in the acreage of sweet clover in the last three years. I have a patch of this crop, and the cows eat it well. We try to raise most of our feed. The bill for mill feeds for the cows and other growing animals will not exceed \$9 a month. There is no reason why more sheep should not be kept here, for they are profitable. This is an especially desirable line for men who do not desire to keep cows."

The Pit Silo Arrives

For the most economical milk production, one must have silage in the ration. Ten pit silos dug near Lakin this fall—and they are the first

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J. T. Willard, L. E. Call, Dr. F. S. Schoenleber.

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Changes in advertisements or orders to discontinue advertisements must reach us not later than Saturday morning, one week in advance of the date of publication. We begin to make up the paper on Saturday. An ad cannot be stopped or changed after it is inserted in a page and the page has been electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.

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Livestock, - - Turner Wright Veterinary, F. S. Schoenleber
Dairy, - - - A. G. Kittell The Markets, - C. W. Metaker
Livestock Mgr., Frank Howard Home Dept., - Mabel Graves
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WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us promptly, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in the Farmers Mail and Breeze."

PASSING COMMENT—By T. A. McNeal

A Crisis in Mexico

The associate press keeps telling the people that there is just about to be a crisis in Mexico; that the president is tired of fooling with that man Huerta and that something is about to break loose.

President Wilson is not to be held responsible for all that appears in the newspapers. If he were, his course with reference to Mexico would seem to be rather weak and vacillating. It certainly would look rather weak to keep on telling the Mexican usurper that he must not do this or that and then when he does do the things he is told not to do have the president do nothing further except to tell him again that he must behave himself.

We have seen fussy mothers act that way with their children many a time. For instance, the mother who is continually saying, "Now, Johnnie, you must not do that," and then when Johnnie goes right on doing the very thing he is told not to do instead of turning him over her knee and applying the shingle where it will do the most good, tells him again, "Now, Johnnie, you must not do that." Of course Johnnie understands the situation perfectly well. He has a very clear conception of his mother's disposition and knows whether there is a real storm brewing or whether his maternal ancestor is just clouding up but doesn't intend to rain.

As I have said, if one were to take seriously all that has been published about the Mexican situation he would conclude that the Washington administration is doing a heap of clouding up without any serious prospect of rain. But I do not think that view is quite fair to the president.

In the first place, we must realize that it is a serious business that confronts the administration. Here is Mexico in a state of practical anarchy. A bloody-handed usurper is at the head of about all the government there is down there that has a semblance of regularity. He got where he is by the basest sort of treachery and murder.

It is a serious question as to whether the leader of the opposition would be any improvement as president even if he should succeed in driving Huerta from the president's chair. In fact there is a question as to who is the real leader of the opposition.

A good many Americans who went down into Mexico have lost heavily in property. Some have lost their lives. And yet it is a little difficult to see just how the government of the United States could find sufficient excuse for sending an army down there to take possession of the country.

Mexico has been nominally a constitutional government for nearly 90 years. It is true that during most of that time mighty little attention has been paid to the Constitution, but the other nations of the world have recognized it as a sovereign government that had the right to settle its internal affairs to suit itself. Its ways might not suit other people who do not live there, but according to the customs of nations so long as it did not get outside of its own territory and trespass on the rights of other nations or the rights of citizens of other nations, the other nations were not justified in making war upon it.

It may be said that the rights of American citizens have been interfered with in Mexico. Perhaps that is true, but it would be hard to pin the responsibility onto either faction that is fighting down there now. If one side or the other should whip the other side and really establish a stable government there would be numerous claims for damages to be settled by that established government. Most of these claims perhaps would be made by citizens of the United States but many would be made by citizens of other countries and before force could be used to collect the claims the government of Mexico would be entitled to the opportunity to settle them itself.

Now before you jump onto President Wilson about his course in the Mexican matter just pause about three or four minutes and ask yourself what you would do if you were president of the United States. Maybe you say that you would send an army right down there and make the Mexicans behave. Well, that would be war and the president has not the power to declare war. Congress has that power, the president has not.

Maybe congress would declare war if the president asked it to and then again possibly it would not. But no nation is supposed to declare war on another nation without stating the reasons. Maybe the real reason isn't always given, but some reason is. Usually the alleged reason is that the offending nation has committed a flagrant wrong against the nation

that declares war or against some citizen or citizens of that nation and refuses to right the wrong.

It might be hard to state just what wrong Mexico as a nation has done to the United States or any citizen of the United States which, having the power to redress, has refused to do so.

If we send our army down into Mexico we must do so on the broad general principle that conditions have become intolerable down there and that the Mexicans have shown themselves incapable of establishing a stable government. But on that ground would not Great Britain for example, have been justified in sending an invading army into the United States about two years after the war of the Rebellion commenced?

Just then it was a decidedly unsettled question whether it was possible to establish a stable government in the United States. The fortunes of war between the North and South were just about equal. But how we would have raged if Great Britain had sent an army here under the pretext that it was done in the interest of peace and in order that the terrible loss of property and life might be stopped! How we would have roared and insisted that Great Britain mind her own business and let us settle our own troubles!

So I say that before you begin to criticize President Wilson just sit down and try to put yourself in his place. This is no trifling problem that he has to tackle.

Differing Opinions

A Delphos reader writes me at considerable length on the subject of consolidated schools. He is very firmly and emphatically against the idea. This talk about children having too far to walk to school doesn't appeal to him. He is of the opinion that the children don't have enough exercise as it is. When he was a lad back in the 50's he used to walk a long way to school and didn't mind it at all.

As for consolidated schools he says, "I will never vote for them as long as I am a voter, but I suspect the people will be tempted into it. The devil got the upper hand of Mother Eve in the Garden of Eden and he will do the same in this case."

From all of which I infer that there will be no more consolidated schools in Kansas if he can help it.

Speaking of currency, D. H. Good, of Independence, writes:

I wish to congratulate you upon your article of October 11, on the currency bill. Please continue making plain what should be known by all the people. No people can be free who are compelled to pay interest on money. This was so understood by the framers of the Constitution. They declared that no corporation save congress alone should issue money. Will you please tell us in your next issue how it is possible for congress to make any law concerning the issue of currency by any other means until they have first secured an amendment to the Constitution?

The Constitution, Section 8, says: "The Congress shall have the power to coin money, regulate the value thereof, and of foreign coin."

Section 10 says: "No state shall coin money; emit bills of credit or make anything but gold and silver coin a tender in payment of debts."

I do not think the framers of the Constitution were opposed to interest on money lent. I have never found anything in the history of the making of that famous instrument that indicated that more than a small minority of the framers held to such a belief.

Congress has the undoubted right to provide for the issuing of money by the government and ought to do so. I do not understand that this would prevent or ever has been held to prevent the government from permitting banks to issue bills of credit which pass as money. I do not think the Constitution forbids that. But as the government has the full power to issue money why should it delegate that power to banks? The wrong is in permitting corporations whose business is to lend money and make a profit out of it, to regulate the volume.

While on the subject of interest, another reader, G. M. Rathbun, of Sedan sends in some figures he has compiled on the subject of debt and interest. He takes the estimates made by ex-Governor Stubbs that the people of this country owe 88 billion dollars. Mr. Rathbun estimates that of the something more than 90 million people in the United States, something like 70 million are wealth producers and these wealth producers have to dig up the money to pay the interest and principal on the debt if it is ever

paid. This he figures, means an average debt of \$5,500 a family and an average annual interest charge of \$350 a family. Mr. Rathbun believes that Socialism will lift this burden.

Mr. Appelhaus, of Spearville, takes a rather pessimistic view of the situation. His letter was probably written before the wheat was looking as fine as it does now.

"Money," says Mr. Appelhaus, "is the root of all evil."

(In this Mr. Appelhaus misquotes. Money is not the root of all evil, but according to one Biblical writer, the love of money is.)

"What is breaking up the farmers," continues Mr. Appelhaus, "is the big interest they have to pay. The government should do something. Look in the court house in the record and you will find that 80 per cent of the farms are mortgaged. They tell the boys to stay on the farm, but how can the boy stay when the old man has to leave the farm because he cannot pay his interest and cannot make a living?"

"If the farmers could get money at 4 per cent they could get along better. Eight or 10 per cent interest is eating them up. There are thousands in this western country who have no seed wheat and no money to buy any seed with. How are they going to stay if something does not turn up? A good many have left already and lots more will go who have no money, no work, no crop, no nothing."

I trust that by this time prospects are looking brighter to Mr. Appelhaus and the farmers he speaks of. I realize that times have been decidedly rocky for two or three years for a good many farmers, especially renters, but I believe next year will bring a change for the better.

Many of the farmers undoubtedly would be greatly benefited by cheap money. However, let me say this: Cheap money, unless used with judgment and good sense will not benefit the borrower. I have known a good many men who would not be benefited by being enabled to borrow money even if they were able to borrow it without paying any interest at all. They would simply fool it away and in a short while would be no better off, perhaps worse off than if they had never been able to borrow any money at all.

Just by way of illustration. Back in the '80's a multitude of loan companies was organized. Many millions of dollars were lent in Kansas. Thousands of men borrowed money and never paid a cent of either principal or interest. So far as they were concerned they got the money without interest, but they were not benefited to amount to anything by getting this money. They simply wasted it and in a few months or within a year or two were just where they were before they borrowed the money.

Most of the loan companies went broke because a large per cent of the borrowers did not pay either interest or principal and the loan companies had guaranteed the payment of both when they sold the mortgages. The mortgage companies went to the wall after trying for a year or two to carry the enormous burden of defaulted interest. The persons who furnished the money to the companies to lend in many cases lost everything they invested and were reduced to poverty. So I say that cheap money will not necessarily be a benefit to the borrower.

Most of us unfortunately do not seem to have a great deal of sense about using money after we get it. That money which comes easy as a rule seems to go easy.

Is It the Tariff Law?

When the new tariff law was being discussed a good many western senators and representatives, whose constituents are mostly farmers and stock-raisers, objected to the measure for the reason that it places practically all the products of the northern and western farmer on the free list.

It was advocated by the defenders of the bill that the farmer would not be injured because he sold his products in a world market and on the other hand, that he would be benefited because he would get his farm machinery cheaper.

Farmers and stock raisers claim however, that these optimistic predictions of the advocates of the bill are not being realized; that on the contrary the western and northern farms are getting lower prices on account of the new law. The dairy business has grown to large proportions in most of the western

states. It seems that the new law reduced the duty on butterfat from 6 to 3 cents a pound.

I will frankly confess that I have not read the details of the bill and did not know that there was a duty on butterfat but an editor friend of mine who has looked the matter up tells me there is and that whereas under the old law it was 6 cents a pound it is now 3 cents.

The day after the law went into effect the price of butterfat was reduced 3 cents a pound. Maybe it wasn't the tariff that did it, but it would be hard to make the man who sells milk to the creamery believe it wasn't.

Wheat is placed on the free list. The price of wheat dropped 6 cents a bushel. Maybe the price would have come down anyway—I do not know. More than a million pounds of dressed meat was brought into Chicago one day last week from Canada. Dressed meat is on the free list. The price of cattle went off somewhat, but it looks as if the price is still high enough to make cattle raising profitable.

And if consumers get meats a little cheaper the tariff law ought to be credited with that if it is to be charged with a reduction of prices to the cattle grower. It is rather early to determine what the effect of the new law will be on the western and northern farmer. Just at present it looks as if he had rather gotten the worst of it.

To Utilize the Wind

A Texas man claims to have invented a machine that will utilize the power of the wind for draft purposes. By a cunningly arranged system of fans he claims to be able to get the wind coming and going without having to tack, as a sail ship does when the wind is blowing from some other quarter than right behind it.

Now if it is true that this man has really invented a machine that can utilize the power of the wind he certainly has got something worth while. There is enough wind power going to waste in Kansas most of the time to do all the work that needs to be done.

Then if some other genius can invent a way to store and distribute the surplus heat of the sun the world will not need to have any further worry about either heat or power.

The Only Remedy Is Justice

Some weeks ago Congressman Clark of Florida made a speech on the floor of congress in which he advocated the deportation of colored citizens from this country. Notwithstanding the fact that it is the native country of every one of these persons of mixed or unmixed colored blood, and notwithstanding the further fact that a large per cent of them are not even charged with any crime, Clark would forcibly deport them from the land of their birth and the land in which not only they have been born but their ancestors for generations.

It is more than a hundred years since the importation of negro slaves to this country was forbidden by law, so that the last of foreign born blacks presumably in this country were those who were brought in prior to 1804. Some of the younger imported slaves still may have been living up to the middle of the last century but it is perhaps more than half a century since the last imported African slave died on the soil of the United States.

To forcibly deport almost 11 million native born citizens of this country for no other reason than that they happened to be born with colored blood in their veins would be a crime almost unequalled for barbarous cruelty in the annals of history.

A subscriber from Eldorado, speaking of Congressman Clark's speech writes as follows:

Mr. Clark seems to forget to state who is responsible for the presence of the negro or the mixed blood in America. All understand that a large part of the responsibility lies with men in the social scale with Mr. Clark. He is more candid than many southerners in admitting the true condition, but like the rest he proposes to apply the remedy to the wrong persons. He and his kind have no more respect for the "po' white trash" or consider them any more their social or political equals than they do the negro.

I suppose they will commence their elimination when they have finished the negroes, Japs, Chinese, etc. The greatest trouble with the southerners is that they do not eliminate their Clarks, their "Pitchfork" Tillmans, and their kind. Their remedies are all impractical, almost brutal. The conditions are of their own making and will disappear when they are willing to apply the true remedy. I have spent seven years with southerners and find that with very many the war isn't over yet.

More Improvements—More Taxes

I am in receipt of a letter from Mr. Brown, of Speer Moore, Okla., which has in it considerable food for thought. Mr. Brown calls attention to the fact that if the farm boys are to be kept on the farm, it must be made attractive for them, but that under our present system the more a farmer improves the appearance of his farm, the more he has to pay in taxes.

If the farmer sets out a grove in order to make his place look more attractive the assessor says: "I must assess your farm higher than the farm of your neighbor who has no grove." The farmer asks why and is told that his farm looks better and will bring a higher price on account of that grove. The farmer admits that the grove might increase the price of his

farm if he wanted to sell it, but it does not make the land he cultivates produce any more.

If the farmer paints his house and barn and puts up a silo the assessor again tells him that he must raise the assessment. So it goes down the line. The more the farmer tries to make his place comfortable and attractive the more he is soaked for taxes—in other words, he is penalized for being progressive, from all of which I infer that Mr. Brown is leaning toward the idea of a single-tax.

From Another Viewpoint

But here is a letter giving another farmer's viewpoint:

Editor The Mail and Breeze—I would like to know why the single-tax would not make land tax any higher, when the tax is taken off from improvements and stock and all collected from the land? There is so much tax that has to be raised and if half the property is relieved from taxation would not the other half have a heavier burden to bear?

I see where one speaker who seemed to be a gun of big caliber, referred to Canada, a new country, and how low the taxes are there.

When I came to this country I paid about \$7 tax on a quarter section. Now I pay about \$25. This increase has come in 11 years.

The speaker told his hearers the tax in Canada would not be any higher. Does it look reasonable? Further along in his speech he referred to the big real estate owners and said that the tax got so high in Canada that these owners of big tracts of land could not afford to hold it.

To be just to all is it not fair to assess the property of all kinds at its real value, whatever it is, and make the tax as low as possible? We all expect the privileges and protection of our government and is it just to shirk our part of the necessary expenses and burdens of government and shove it over onto our neighbor? I believe in justice to all and special privileges to none. Do unto others as we wish them to do unto us.

I see the cry in the papers, "Back to the farm." Very encouraging to the young man to buy a little farm and be taxed to death, while some big business in mills and mansions escapes taxes entirely.

Some have as much money in a few blooded horses as many a poor man has in his farm. I was a poor boy; started out with little more than willing hands and a determined mind to get a home. How would it have seemed to tax my little farm and shanty 12 by 18, as much as the well improved farm? I had to begin at the bottom and by paying \$250 down the man who sold me the land let me have 10 years on the balance. I had only \$250 in my land, a little 12 by 18 house, a stable made of poles and covered with hay. My neighbor had his fine mansion, big barns and blooded stock of all kinds. Should he have been taxed no more than I?

They tell us their improvements help to build up the country and their fine stock helps to improve the stock. Does not our land help to feed the world? If the single-tax would catch the rich man would it not catch 100 poor men to one rich man? If the object is to put the tax on the rich man are there not more very wealthy men in other occupations than there are on the farm? How many farms are there that are heavily mortgaged and where the whole family works from daylight to dark?

I would like to have some clear information on the single-tax question, not furnished by someone who has all his money in some other property than land and who will not advocate a single-tax as a kind and benevolent system of taxation, when as a matter of fact what he wants is to get a law that will permit him to dodge his share of the tax.

Let us each be willing to bear our share of the garden and not try to make our neighbor bear our share and his too.

JOHN STEVENS.

Would Have Farmers Live in Town

J. M. Allyn, in the course of a somewhat extended letter has the following to say about the consolidated school:

Your picture of the school center looks good to me. It smacks largely of the Socialist ideal, but why stop with a school center? Why not make it an inhabited center as well, where each family could have a beautiful residence; the center have community co-operative bakeries, laundries, light plants, heating plants, water system, etc., in addition to what you have outlined? Then the children would be in easy walking distance of school and church.

Why haul them over the muddy roads through snow and cold for 36 weeks each year? The men could travel to the farms by electric power to do the work in the good weather very much cheaper and quicker than the children could be hauled to town, to say nothing of the wear and tear in conveying the parents to the common center for church or entertainments.

All this and much more could be realized if we could but get rid of that old fetich of individual ownership of resources and concentrate our efforts toward the establishment of a co-operative commonwealth.

I should enjoy painting a picture of what I think is coming, but space will not permit. The canvas is too small; the English language is too poor to convey the coloring.

The Co-operative Store

Editor The Mail and Breeze—Fifty years ago wholesale co-operation under the Rochdale plan was born. Retail co-operation had been working successfully for nearly 19 years, but its promoters found that they were handicapped in their wholesale buying. To begin the new move, one farthing for each member was contributed, or half a cent of our money. It made rapid strides and soon entered the field of manufacturing its own needs in a number of lines.

Last year the English Wholesale society did a business of 178 million dollars and the Scotch, of 50 million dollars; 1,428 retail societies made up the membership of the English, with 2,274,000 shares; the Scotch—277 societies. The two are combined in some lines of buying and manufac-

turing only. They own conjointly the London Tea House on Leman street, sending out 200 tons of tea a week, and the three plantations in Ceylon; and the Cocoa and Chocolate Works at Luton in Bedfordshire.

The buyers of the two societies are found in Canada purchasing wheat and putting it in their own elevators ready to ship across to their own mills; in the Eastern Mediterranean seeking fruits like currants, etc., right where they are grown and cured; in the London and Paris millinery houses buying hats of the latest style for their vast army of patrons; and in fact everywhere in all parts of the world where the articles they need are produced. For the European shipments these wholesalers use their own ships.

The 50 years have been fruitful in growth. Nearly every European country has its Wholesale societies, even Russia and Serbia, and they are without exception all patterned after the English Rochdale plan. Other remote parts of the world, as Burmah, Japan, New Zealand, etc., are federating buying interests in the same way. We alone—Americans—in this field of economic development are behind. It has not been the necessity it was to them, although it is now becoming an imperative need in these days of the "high cost of living."

Manhattan, Kan.

ALFRED DOCKING.

Favors Army Reorganization

F. H. Marshall, of Garden City, writes a letter in the course of which he takes occasion to approve the plan I have suggested for changing our regular army into a great school for the training of young men mentally and physically, making the army a most useful and self-supporting institution in time of peace as well as the finest and best organized body of soldiers in the world in the possible event of a war. Mr. Marshall says:

Your ideas on the reorganization of the army, the educational system contemplated and the methods of conducting it, are, I think, invaluable. If we have to have an army (which we no doubt do under present conditions) there could be no better or greater change suggested. Having served two enlistments I speak with some knowledge of conditions.

I now have a son and as long as I am alive and in possession of my reason he shall never enter the army, as long as it is conducted as at present. It kills ambition and enslaves the spirit. It is no place for a young man who thinks anything of himself and it is about as bad for the young officers from West Point in the other extreme. It develops snobbery and would spoil for the society of self-respecting human beings any but the very most level headed of them, developing a spirit altogether at variance with American thought and tradition and more on the European class of nobility and serf.

In this country any honest man ought to be able to look any other one straight in the eye and tell him to go straight to—perdition—if necessary.

Save the Waste

Writing from Hazelton, Kan., Mrs. M. A. Reynolds, a very intelligent woman who takes a great interest in general progress agriculturally and every other way, writes as follows on the matter of saving the moisture:

Editor The Mail and Breeze—Seeing quite a number of people taking an interest in forming ponds on farms, will say that it is a splendid idea. Not that it would bring rain, but for other reasons. As we know, rain clouds or vapor taken up by the sun are carried by wind currents. If this were not so it would be raining on the ocean and lakes all the time.

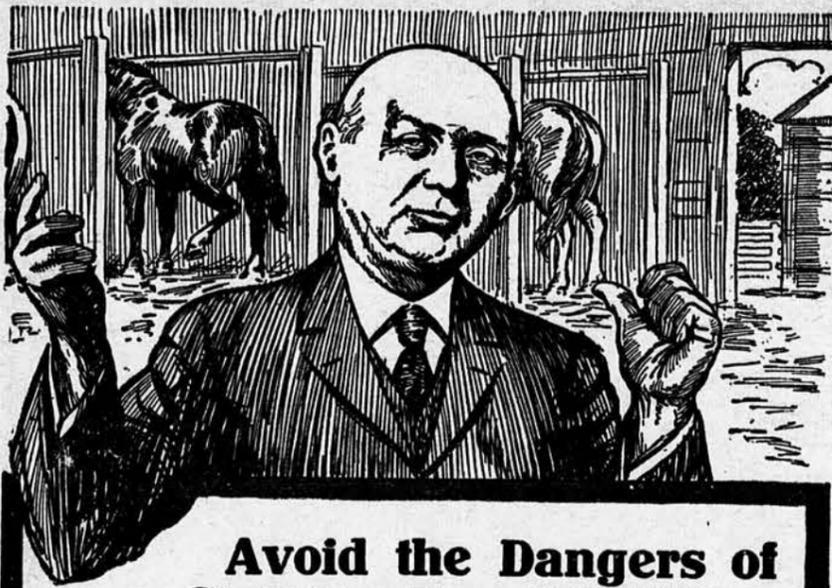
Nature's laws are invariable. As everything lives on decay, so we as farmers should save all the waste possible on the farm. It often happens that we have destructive rains that wash tons of humus into the larger streams and away it goes to form the delta at the mouth of the Mississippi. These dams if formed on every quarter section, would save this waste and in time fill up and form what is called "made land," the best and richest on the farm.

Besides, a few trees could be grown and often these dams would furnish watering places where the stock could drink. The dams should be systematically arranged and built under the direction of government engineers. If we could have one quarter of the cost of one battleship applied to the building of dams in Kansas there would be a lasting benefit, whereas the battleship in a few years would be useless.

The subject of conserving the flood waters of the West ought to be given ten times the attention it receives from our statesmen. Of course it is utterly impossible to estimate the cost of a comprehensive system of dams and reservoirs covering the semi-arid belt, reaching from southern Texas to the Canadian line on the north, until a preliminary survey has been made by competent engineers showing all the water courses and approximate cost of building dams and reservoirs along each stream.

On streams like the Saline, Smoky Hill, Republican and a multitude of minor streams, a series of dams and reservoirs should be erected not more than two or three miles apart. I should say at a rough estimate that in the territory mentioned, reaching from southern Texas to the north line of North Dakota, there would not be less than 10,000 dams and reservoirs, large and small. Assuming that the dams and reservoirs connected therewith cost on an average \$5,000 each the total cost would be 50 million dollars. If they cost an average of \$10,000 each the total cost would be 100 million or only a quarter the cost of the Panama canal.

Is there anyone who is familiar with the possibilities of this vast region who will not say that the benefits of such a system of dams and reservoirs would be vastly greater to the country than the Panama canal ever will or can be?



Avoid the Dangers of Stall Feeding

DR. GILBERT HESS, Doctor of Veterinary Science, Doctor of Medicine

I want to warn you in time that stock taken off pasture and put on dry feed are pretty apt to get out of fix, because corn, grain, hay and fodder do not contain the laxatives so abundantly supplied in grass.

Some of your animals are sure to become constipated, others off feed, rough in the hair, with paleness of the eyes, lips and nostrils, or the legs may stock or dropsical swellings of the abdomen appear, or the urine may become yellow and thick; but the common ailment of all, especially among hogs, is worms, worms.

Dr. Hess Stock Tonic

Makes Stock Healthy. Expels Worms.

Being both a doctor of medicine and a veterinary scientist, I formulated Dr Hess Stock Tonic to correct these evils. It contains a laxative substitute for grass, diuretics to remove dropsical swellings, tonics to improve the appetite and increase digestion and vermifuges to expel worms.

So sure am I that Dr. Hess Stock Tonic will put your animals in a thriving condition, the ailing ones healthy and expel the worms, that I have authorized your nearest dealer to supply you with enough for your stock, and if it does not do what I claim, return the empty packages and get your money back.

Right now is the time to feed Dr. Hess Stock Tonic, because it's the cow in the pink of condition that fills the milk pail, the steer with an appetite that lays on fat, the horse that digests its dinner that pulls on the bit, the hog that is well and worm-free that gets to be a 200-pounder in six months.

Dr. Hess Stock Tonic is never sold by peddlers—only reliable dealers; I save you peddler's salary and expenses, as these prices prove: 25-lb. pail \$1.60; 100-lb. sack \$5.00. Smaller packages as low as 50c (except in Canada, the far West and the South).

DR. HESS & CLARK, Ashland, Ohio

Dr. Hess Poultry Pan-a-ce-a

A splendid poultry tonic that shortens the moulting period. It gives the moulting hen vitality to force out the old quills, grow new feathers and get back on the job laying eggs all winter. It tones up the dormant egg organs and makes hens lay. Also helps chicks grow. Economical to use—a penny's worth is enough for 30 fowl per day. 1 1/2 lbs. 25c; 5 lbs. 60c; 25-lb. pail \$2.50. Except in Canada and the far West. Guaranteed.

Dr. Hess Instant Louse Killer

Kills Lice on poultry and all farm stock. Dust the hens and chicks with it, sprinkle it on the roosts, in the cracks or keep it in the dust baths, the hens will distribute it. Also destroys bugs on cucumber, squash and melon vines, cabbage worms, etc., slugs on rose bushes, etc. Comes in handy sifting-top cans, 1 lb. 25c; 3 lbs. 60c. Except in Canada and the far West. I guarantee it.

Farms Fail Without Cattle

Nothing Else Will Insure a Permanent Agriculture

BY W. A. COCHEL

In the Dry Farming Congress.

A CAREFUL survey of the countries of the world which have gained fame and distinction because of their agricultural wealth indicates without exception that they are also noted for their large livestock interests. It is also true that those states of our own country which are known as the leading states from the standpoint of agriculture are also the leading livestock states. What is true of the countries of the world and the states of the Union is equally true of the smaller units such as counties and communities. A day's journey through any farming section will show that the livestock farms stand out distinctly from the grain farms in general appearance of houses, barns and other buildings as well as in larger crops of wheat, corn, kafir, alfalfa, clover, timothy and other grain and forage crops. As yet we have not devised a generally practiced scheme of farming which has resulted in the maintenance of soil fertility and an increase in acre yield of crops except where a large proportion of the crop is converted into meat and milk or wool or work through the use of domestic animals and careful conservation of the by-products of the feed lot or stable.

Why the Discontent.

It makes little difference what sort of crop is grown, whether it be continuous corn in the rich valleys of the Mississippi and tributaries known as the corn belt; continuous cotton in that wondrously rich and humid section of the South where the growing season extends from March to December, known as the cotton belt; or continuous wheat in the broad prairies and table lands of western Nebraska, Kansas and Oklahoma, the Dakotas and Minnesota, known as the wheat belt, a single crop is usually associated with a more or less discontented farming population. One of the chief causes of this condition of mind is that labor is not distributed throughout the year. There is a period of idleness followed by a period of hard labor and long hours. In order to be contented, a man's time must be fully occupied, which is impossible under the one crop system.

Dry-farming has too often been synonymous with wheat growing, carrying with it all of the dissatisfaction and uncertainty of the same system where rainfall is abundant and adding the difficulties which usually come to those who are attempting to adapt themselves and their efforts to new conditions where the facilities for living are often crude and inadequate. A study of those sections of western Kansas where the precipitation amounts to 25 inches or less per annum, shows that those farmers who have remained prosperous throughout years of plenty and years of scarcity are those who have devoted a large amount of study and time to the production of livestock, while those who have followed wheat farming exclusively have either left the country or reduced their plane of living to a point which insures the development of a class of undesirable citizens.

Feeding Test at Hays.

During the winter of 1912-13 an experiment was started at the Hays branch station to determine economical methods of wintering range cattle. For this purpose a lot of high-grade Angus, Hereford, Galloway and Shorthorn cows were used. The greatest of care was taken to see that each lot was comparable with the others at the beginning of the experiment, in breeding, age, type, condition, weight and quality. They were divided into four lots, one of which was fed whole kafir fodder according to appetite; the second lot was fed kafir silage cut from the same field; the third lot was fed kafir stover from the same field; the fourth lot was fed a limited ration of silage—20 pounds a head daily. All lots were given 1 pound of cottonseed meal per head daily and allowed access to wheat straw according to appetite.

With cottonseed cake valued at \$30 a ton; wheat straw at 50 cents a ton; whole kafir at \$4 a ton; kafir stover at \$3 a ton; and kafir silage \$3 a ton, the

cost of wintering these cows was \$2.19 a month for those fed whole kafir; \$1.83 a month for those fed kafir silage; \$1.68 a month for those fed kafir stover; and \$1.28 a month for those fed a limited amount of kafir silage. The lot which received whole kafir stover consumed less straw than any of the other lots and the greatest amount of straw was consumed by the lot which received a limited ration of kafir silage.

In other words, where succulent feed is provided during the winter feeding period, greater use can be made of unpalatable roughage than where the stock is maintained on dry feeds. Another noticeable factor is that the cows which received all of the silage they would eat made an average gain of 123.7 pounds, while those which received the whole fodder gained only 49.7 pounds. The smallest gain, 35.8 pounds, was made by the cattle receiving kafir stover. An interesting feature is that the cows which received a limited ration of silage made an average gain of 56.5 pounds in 100 days according to the results of this experiment, only 2.28 acres of grain crops such as kafir are required to maintain a cow on a limited silage ration during the winter where she had access to all of the straw she would eat, and a pound of cottonseed meal. When fed a full feed of silage this acreage was increased to 4.2, and when fed on whole kafir fodder directly from the same field there was a further increase of 2.28 acres required for winter feeding. These results indicate that it is possible to increase very materially the livestock carrying capacity of the land by the use of the silo.

With the results secured from this test, one would be justified in stating that the efficiency of the crops, because of being put in the silo, was increased at least 50 per cent as compared with the same crops fed in a normal manner.

When it comes to considering the cost of the feed consumed, the results are entirely consistent with the behavior of the cattle as far as the character of the ration is concerned. These results were secured with kafir, which is one of the leading forage crops that can be grown successfully from year to year in the Great Plains region. It has the advantage over corn for silage purposes in that it will resist drouth, produce a large tonnage an acre and is just as palatable and just as nutritious when put into the silo.

The results secured in wintering beef calves at the college station during the same winter indicated that a ton of kafir silage was of approximately the same feeding value as a ton of corn silage grown during the summer of 1912. We were able, under the conditions prevailing at Manhattan, to winter our calves by the use of silage supplemented with commercial concentrates, at a cost of less than 6 cents a day and at the same time secure an average daily gain of a pound and a half a head.

Taking these two experiments together, we find that by the use of silage the beef breeding herd can be wintered in the most acceptable and economical manner yet devised and that the calf crop can be wintered with a comparatively small expense for the purchase of concentrated feeding stuffs, in such manner that they not only maintain their maximum rate of growth, but will make a reasonable gain during the winter period. In the Great Plains area it is found that cattle usually come out of winter quarters weighing less than at the beginning and it requires from two to three months for them to regain in the spring the flesh they have lost during the winter. By the use of the silo during winter, we will be able to reduce the time of marketing the 1,000-pound steer at least one year as compared with former practices.

A further advantage in the use of silage in this section is that the feed can be carried over from year to year and used during periods when there is a great deficiency in the supply of roughage such as is now confronting the cattlemen all over Kansas and in many parts of Nebraska, Oklahoma and Texas.

(Continued on Page 23.)

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Alfalfa Along the Missouri

Elwood Peninsula Farmers Are Favored by Soil and Water

BY F. B. NICHOLS
Field Editor.

NINETY per cent of the land in the "Elwood Peninsula," a bend in the Missouri river about 60 miles above Kansas City, is in alfalfa. This neighborhood is about three and one-half miles long by two miles wide, and it is one of the most compact alfalfa growing communities in Kansas. The main reason for the large acreage of alfalfa in this section is the favorable soil conditions, which insure a good crop every year, and make it the most profitable field crop that can be grown.

The field sheds are one of the most interesting things about alfalfa growing in this community. Almost all the hay is stored in these sheds. Almost none of the crop is stacked in the open. The growers have found that it pays to put it under shelter. There are more than 150 of these sheds in the community. Most of them are about 20 feet wide and 20 feet high, and from 50 to 60 feet long. Some of the sheds are larger than this, but the opinion of the farmers is that these field sheds should not be too large, for the fire risk is increased with the size of the sheds, and there also is a considerable loss of the alfalfa leaves if the hay is dragged too far by the sweep rakes over the ground. On the other hand, the cost of the space increases as the size of the barns is decreased, so they should not be made too small. A barn 20 feet wide, 20 feet high and 60 feet long will cost about \$400.

The Hay Barns.

Some of the barns have open sides, but most of them are boarded up all the way. Some are boarded up but are arranged so that the sides may be opened until the hay has cured. The hay usually is run into the barn with forks in the usual way—it being delivered to the end of the barn by the sweep rakes—but some of the barns that have been built recently are equipped so sections of the roof can be removed and the hay thrown in with stackers.

The hay is handled carefully by most growers, for as a large part of it is sold on the open market it is essential that it should be of good quality. It is raked just as soon as it is well wilted, so that most of the curing may be done in the windrow. Side delivery rakes are used, because they do not pack the hay so badly as the dump rakes and they allow the air to circulate through it better. When there is time, these windrows frequently are turned over with the rake, as this will materially hasten the curing process. As the hay is raked promptly before the leaves are cooked, they continue to pump the water out of the stems, and the whole of the plant dries out together. When this is the case, the hay usually has the desirable green color, and there is not a great loss of leaves.

It is possible to put the hay in the barns before it is thoroughly dried out, and this is done some, especially if a rain is coming up. It is not, however, possible to pile alfalfa hay unless it is down to a proper moisture content. The hay is left in the sheds for at least two or three weeks, and it may be baled at any time after that. The balers usually are running in this community for most of the year. None of the baling is done in the field.

Baling the Product.

Power balers are used for almost all of this work, for they are much more efficient than the old horse power affairs. The price for the baling runs from \$1.75 to \$2 a ton, when the owner of the baler furnishes everything and piles the bales back in the shed again. Baled hay, of course, takes up much less room than that which is loose, so the owners try to get the crops baled as soon as possible after the hay is in good condition, but they wait until the price is favorable, as a rule, before they sell.

C. W. Ryan, who owns 145 acres of alfalfa near Elwood, in speaking of the sale of the crop, said: "Along about the first of the year is the best time to sell alfalfa. If one waits until well along in the spring, the price frequently goes down, for the buyers are waiting for the new

crop. It is not wise to sell too early in the fall, either, for there always are some men who must sell at that time, and they force the price down. It doesn't pay to sell this or any other crop when the bulk of the growers are selling; the important thing is to have as little competition as possible."

The prices paid for hay hands are higher than in many sections. Men get \$2 a day, and a man with a team gets \$4. Boys to do the raking and other light work are sometimes hired for \$1.50 a day. There usually is no trouble in getting all the hands needed.

The soil is especially well adapted to growing alfalfa. It consists largely of a gumbo formation that extends down about two feet, and below this is a combination of sand and silt that gives good drainage and at the same time aids in bringing water up by capillary attraction in times of drouth. The Missouri river passes the community on three sides, and the underflow, by means of the deep roots of the alfalfa and the capillary attraction of the subsoil gives a perfect system of underground irrigation. The soil is especially rich in potash and lime, mineral elements alfalfa uses abundantly. Alfalfa will last on this soil almost indefinitely, if it is cultivated.

"It pays well to cultivate alfalfa on this ground," said Mr. Ryan. "The soil is likely to get in poor physical condition if this is not done, and the crop will be decreased. Cultivation has many other beneficial influences, however, besides the improvement of the physical condition, for it kills weeds and insects and makes the plant food more available for the crop. This cultivation may be given with an alfalfa cultivator or with a disk, but when a disk is used the disks should be set almost straight and the implement weighted, to force it into the ground. The expense of this work need not be great. I hired all the work done in cultivating my alfalfa last spring, and it cost me \$27.80 for the 45 acres.

"It is just as easy to get a stand of alfalfa here as it is of any other crop. This is because the soil is well adapted to growing alfalfa, of course, and also because the farmers know how to prepare the seedbed. Both spring and fall seeding is practiced with good results. The main secret is to get a firm, mellow seedbed in which the capillary attraction has been thoroughly restored. There ought to be a little loose dirt on top, but it should extend no deeper than the seed is to be planted. Most of the failures in growing alfalfa in other sections are due to improperly prepared seedbeds; a loose seedbed will not do for alfalfa.

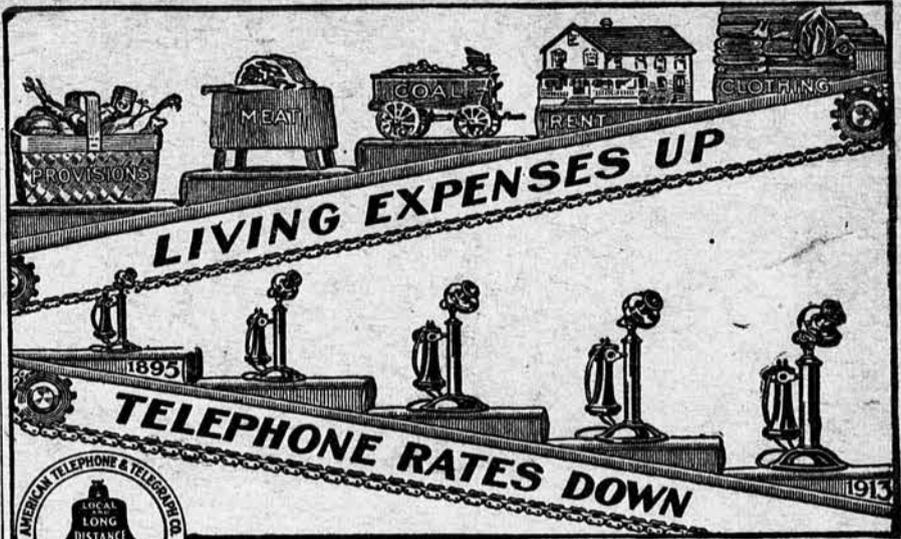
"Most of the growers use 20 pounds of seed, but some get good results with less. Some of it is broadcasted, but the seedings that are drilled usually are the most successful. It is important that the seed should be sown both ways, as this will eliminate the streaks which frequently appear in the field, on account of a small amount of seed, when the seed is sown but one way. These streaks reduce the yield, of course, so seeding both ways is very important."

The main objection to the farming system used in this community is that the hay is sold; it would be better if more of the hay were fed to farm animals. It brings such a high price on the market that the growers are slow to take up the handling of livestock, although some farmers do handle a few head. The yield of hay for the season usually runs from five to six tons, if the hay is cut promptly when the crop is about one-tenth in bloom. Five crops a year is the rule.

Plants Walnut and Oak

J. F. Doane, owner of the 101 farm, three miles south of Burnett's Mound, Kan., is looking to the future. He is cutting out all useless willows on his place and planting walnuts and oaks. Part of the plantings are seed and part young trees.

Hope is a pneumatic tire that is frequently punctured.



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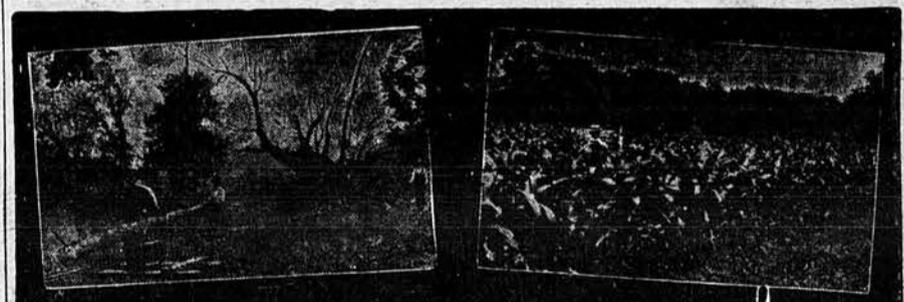
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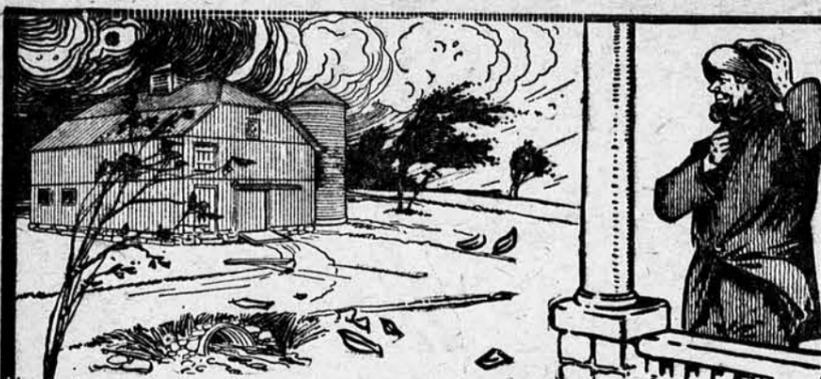
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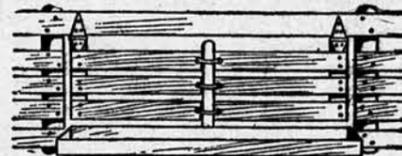
A Once-a-Month Page of Helpful Ideas

Do not think what you have to offer must be original. Make your instructions plain and send us as good a rough sketch as you can draw. Leave the rest to us. By way of incentive a year's subscription to the Topeka Daily Capital is to be the reward for the best device sent in before November 15, 1913. For second and third best, respectively, a year's subscription or extension of subscription to the Farmers Mail and Breeze. Send your contributions to Devices Editor of The Farmers Mail and Breeze, Topeka.

A Saver of Feed and Temper

[Awarded first prize, a year's subscription to the Topeka Daily Capital.]

Mr. Editor—I have found this feeding convenience one of the most handy and satisfactory devices about the place. All that is necessary is a gate the length of the trough, hung on hinges at the



Convenient and Satisfactory All Around.

top so that it can swing either way. Before feeding the gate is swung inward and the sliding catch dropped to hold it in place. The feed can then be put in without wasting a drop. This arrangement is especially handy for feeding a mixed ration. The feed can be put in and mixed evenly or left in layers. When the feed is ready the gate is released to its proper position.

Helena, Okla. J. J. Getgey.

Old Drill Bits Made New

[Prize Suggestion.]

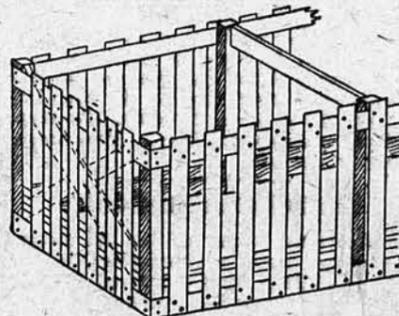
Mr. Editor—I find that some farmers throw away their twist drill bits, thinking they are worn out, when they only need proper grinding. Some attempt to grind them but don't do it right. Referring to the sketch, notice the shape of the drill point in Fig. 1. This is properly ground and can be used for years. Fig. 2 shows improper grinding and such a drill is worthless when in this condition. Fig. 3 represents a center punch. This can be made from an old cold chisel too short for further use. In drilling in iron with a common bit brace, this punch should be used often, say about once to every 10 turns of the bit.

Norwich, Kan. J. A. Crandall.

A Feed Rack That Saves Waste

[Awarded Second Prize.]

Mr. Editor I have tried many kinds of racks for rough feed but here is the best of them all. No feed is wasted and all stock, whether young or old, weak or strong, has an equal chance at the feed. The width should be 6 to 8 feet and it may be as long as the size of the herd demands. I used 2 by 6-inch plank, and inch boards in building mine. The top and bottom rails are 2 by 6's 16 feet long. The uprights are 5 feet 4 inches long and are cut from 2



All Animals Have an Equal Chance.

by 6 planking 16 feet long. The posts are strong and firmly set in the ground 8 feet apart. The uprights are nailed to the rails 11 inches apart. On the in-

side of the rack inch boards are nailed to the uprights above the lower rail to a height of 18 or 20 inches. The rack should be cross braced at both ends and there should be a crosspiece through the center for each two posts.

Park, Kan. G. M. Brooks.

A Way to Avoid Hot Boxes

[Prize Suggestion.]

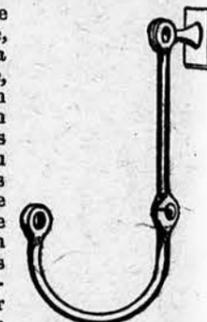
Mr. Editor—I have found a scheme of keeping boxing cool on a fast running shaft that has never failed me. I take the packing out of the oil cavity and fill this space about a third full of salt. This is soaked with oil and the packing is put on top with some more salt and oil. So long as the salt lasts the boxing will not heat. If the boxing begins to heat when the salt is gone I add more salt. I have found it to work especially well on binders and mowers.

Holdrege, Neb. H. A. Robinson.

Harness Hook Which is O. K.

[Prize Suggestion.]

Mr. Editor—Take a buggy top brace, bend it with a wrench or in a vise, fasten the stub from the buggy bough where the hook is wanted, and you have a good harness hanger. Make the fastening just the same as it was on the buggy. This makes the best harness hook I ever had. It is oval in shape, smooth, and if anything runs into it it will swing aside. It can also be folded up out of the way.



R. 3, Hays, Kan. C. H. Hildebrand.

Whip Socket Out of a Pipe

[Prize Suggestion.]

Mr. Editor—I have a handy whip socket made out of a piece of pipe that can be fastened to any implement. One end of the pipe was hammered flat and two holes drilled through it. This flattened end was then bent over at right angles and may be nailed or bolted on wherever needed.

Edgerton, Kan. Oscar Stump.



Rebuilding an Old Tank

[Prize Suggestion.]

Mr. Editor—One of my neighbors, Martin Lawry, made over an old steel stock tank by lining it with concrete and the experiment has proved successful. The tank was worthless, having rusted out, so he put in a 5-inch layer of cement. Then he bent some sheet iron in a circle for an inside form and filled up the intervening space with concrete. The concrete is not reinforced. The inside of the tank was smeared with a mixture of pure cement and water. The tank has given good satisfaction so far and it is my opinion that it will keep water cooler in summer than in a metal tank.



Norwich, Kan. J. A. Crandall.

Water is cheaper than feed, but brings the same price when you market your hogs. About 65 per cent of a hog is water, which is one of the many reasons why you should be sure to see that your herd has access to plenty of pure water at all times.

Prairie Hay Good as Money So Jayhawker Farmers Are Careful of It

BY HARLEY HATCH
Gridley, Kansas.

BECAUSE we began to load a car with hay yesterday it had to rain. Not long ago rain would have been welcome at any time but now folks with work on hand say, "Wish it would hold off for another day."

We have to haul hay 5 1/2 miles to the siding where it is put in the car, and it keeps one moving to haul two loads a day. The price of hay is so high we would hate to be compelled to buy all our horses will eat before hay-cutting time comes again.

Not long ago one could see racks filled with hay in every cattle yard in the county and the racks were not so tight but that a large part of the hay was wasted. This waste caused no uneasiness for almost every farmer thought the manure was worth as much as the hay. But things are different now, when good prairie hay brings \$14 a ton.

We hardly think any good prairie hay will be fed to cattle in this county this year. The price is so high it would not be profitable. Prairie hay makes wading, but for real feeding value it is worth no more than fodder; so the hay will be sold and fodder fed in its place.

Since living in Kansas we have sold prairie hay in the stack for as low as \$1 a ton and the man who bought it did not make much on it either, for hay at that time brought only about \$5.50 to \$6 a ton in Kansas City. It cost at that time just as much to ship to Kansas City as it does now, so that no one connected with the hay business could afford any greater luxury than "Battle Ax". In case some of our younger readers do not know what "Battle Ax" is, or was, it should be explained that this was the name of a cheap grade of plug tobacco.

The highest price at which prairie hay ever sold in this locality was about \$20. Some may have sold it a little above this for a few days but \$20 is about the top mark. We can hardly conceive of hay being worth that to feed, but evidently someone had to have it and it cost much more than that, for the shipping expenses to Kansas City are \$2.65 a ton. This high price was paid during the winter of 1911.

It now seems that corn is not to be so high in price after all, if one takes opportunity by the forelock and fills his bins this fall. The price seems to be on the down grade and a drop of half a cent a bushel or more is registered each day. If corn is bought in small lots at the local feed stores it will cost about 80 cents a bushel but if a carlot can be placed the cost will be below 75 cents. At this price the hog feeder will just about break even, for the price of hogs is following that of corn right along down.

At both private and public sales shoats bring from 6 to 6 1/2 cents a pound. At this price it would seem they could be fed, but many fear hog prices are not going as high as it was thought they would early in the fall. Packers seem to have a pretty tight grip on the market and they cut out 10 cents every time shipper buyers are not on hand to strengthen the market. With fair weather and good pasture there should be some money in 6-cent shoats but with stormy weather close at hand and with pasture cut off it may be no better than an even break.

We have selected 12 sows to keep over for breeding purposes and they, together with five old sows, are running on the rape pasture we have. We have not weighed this bunch of hogs but are certain they have gained 400 pounds in the last 30 days. In this time we have fed them just 12 bushels of corn. They have all the rape they can eat—and they eat a lot of it—together with three pails of slop at noon. This slop is pretty good, being part milk, but the greater part of the gain can be laid to the rape. One of the best things about it is that rape pasture will last longer this fall than any other. It will make feed until extreme cold weather.

If these hogs had been shut in a dry pen and fed 12 bushels of corn in 30 days they would have lost in weight instead of making a good gain. Had they been made to gain in a dry pen it would have taken a lot of mill feed and the gain would have cost all it came to. Another good feature of pasturing hogs is that the land on which they graze is growing richer every day. Is there any land on the farm which will raise better crops of every kind than the hog pasture when it is plowed up?

Yesterday we laid in our supply of alfalfa seed for next spring's sowing. Had we bought at threshing time we could have got it for \$4.50 a bushel but yesterday we had to pay \$5 which is cheap after all. If we were planning on sowing a large amount of alfalfa within the next two years we should lay in a supply of seed now for it is not likely that it will be as cheap again for a long time. At any rate, we hope not, if cheapness of seed goes with extreme dry seasons as it seems to do.

We do not know how long alfalfa seed can be kept and still have it grow well. If it is like clover it will keep several years and be as good then as it was at first. None of this alfalfa seed is stack burned for practically all was threshed from the field and it had no rain at all on it. We intend to sow 3 1/2 bushels of seed next spring as we have considerable ground which we wish to get in alfalfa and which is free from foxtail or crabgrass. We should not think of spring sowing if the land was infested with either kind of grass.

Alfalfa sown in this locality last spring, came through the dry summer and seems to be a good stand. If it lived through last summer, it will live through any summer so far as heat and dry weather are concerned. We are inclined to think it will make a better stand in a medium dry summer than it will in a wet one but it would be likely to do well in a wet season if the ground were drained and free from grass. We should prefer fall sowing but will have to confess that we did not have faith enough this fall to prepare the ground for fall sowing. If we had planted it, we would have been ahead, for fall-sown alfalfa looks fine.

We were talking with a Granger the other day and among other things mentioned were insurance rates. Probably most of the readers of the Mail and Breeze know that the Grange has a successful insurance department which gives the best of insurance at low rates. The rate on hay was mentioned and we remarked that our stored hay was insured and that we had to pay \$3.20 on the \$100 valuation for one year. Our friend told us the Grange rate was 75 cents a \$100 for five years or 15 cents a year where we paid \$3.20. In other words, the old line rate was more than 20 times as high as the Grange rate. We think we have done our last hay insuring with old line companies.

The Grange rate for insuring the house and contents of the owner against loss by fire, lightning, windstorms and tornadoes is \$1 a \$100 for five years. The old line rate for this is \$3. We have been told by old line agents that the companies make nothing on farm risks. If this be true, who does make the money? There is a wonderful difference in the two rates and we have never heard that every Grange loss is not paid in full. If the Grange breaks even with a premium of \$1 and the old line fellows make nothing at \$3, where does that extra \$2 go? Are the Grangers so honest there is no "moral hazard" or are the expenses of the old line companies so high that no money is made at rates three times higher than those charged by the Grange? We should really like to know.

Clean nests are very essential in producing clean eggs. Change the nest material occasionally, and as a precaution against insects burn the discarded material that is taken from the nests. Too much care cannot be given to cleanliness in the poultry yard.

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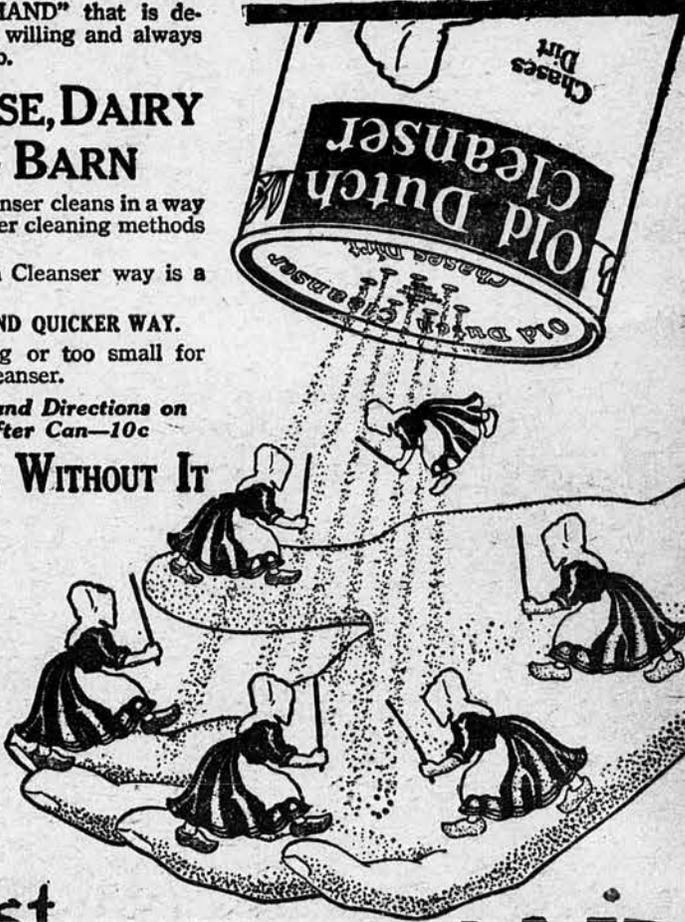
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Children Can Learn at Home

Bad Roads and Stormy Weather Need Not Hinder Their Progress

MY 9-YEAR-OLD daughter read to her 5-year-old sister a story from "Grimm's Fairy Tales" this morning. As I cleared away the breakfast dishes I listened and marveled at the expressive, understanding way in which she read.

To me it has always been a delightful task to help the little mind unfold, consequently our own children have been taught the simple rudiments at home, sometimes with mother and sometimes with father for teacher.

When the first children arrived at school age, we were two miles from the school and "going to school" involved a long trip for the children on foot or someone's hitching up, etc. I never believed and do not now, that the Creator intended growing children of tender age to sit hours every day at a desk learning things out of books. The true school is the home, and the natural teacher is the mother. This once settled, if she has the desire, she will find the way to give this simple instruction.

The two older children entered third grade without difficulty when they began school life. This 9-year-old referred to has never been to school with the exception of a few weeks at the kindergarten.

This seems to me the ideal way of instructing the very young, although I am aware that it will not answer in all cases.

The school as one of our very greatest national institutions is here to stay. We should, however, regard it as supplementary to the teaching which the child has a right to receive at home. If a child is allowed to persist in simple grammatical errors in conversation at home, he will very likely make them when he is 20, regardless of where he receives his education.

The school supplies the child with one thing that is important for him to have, and that is the association with other children. We must learn to live with others, to receive inspiration from others, to give of ourselves to others; and so children must early have the advantage of this school of life.

The person who undertakes the task of guiding and instructing from 25 to 40 of these children of ours—men and women in the making, certainly needs our sympathy and co-operation.

Sympathy—to the extent that in some way she is given to know, tactfully, that we believe she is equal to her task and that we are interested in the improvement our children are making.

We can co-operate with her in very many ways. We must see that the children are early in bed, and up in time for a comfortable breakfast. That they are suitably clad in all weathers, and an ample lunch provided; and we must not expect this teacher to eradicate all our family training in her few hours which must be divided among so many.

It is our duty as parents to know constantly how the children are doing at school and frequent inquiries may stimulate greater endeavor.

We must ever bear in mind that "he is best educated who is most useful," and I am confidently expecting the day when half the time spent at school will be in manual training, scientific agriculture, domestic science, and nature studies—in the fields and woods.

Cat Holds Rats in Check.

[Prize Letter.]

The rats at our place were so bad they were killing three to five chickens every night. We put out poison and lye and also set steel traps, but the rats kept killing our chickens. At last we decided to fasten the house cat up in the chicken house at night with the chickens, and we haven't lost another chicken. Rats will not go where a cat is.

Mrs. Inez Colvard.
R. 1, Stratford, Okla.

Cutting Out the Slang.

Take it from us, kid, there's no nourishment in slinging this slang stuff. That's a cinch. Slang is all to the bad. It don't get you anywhere. Forget that Norwegian college professor who says American slang is swell talk. He's trying to put one over on us. Either somebody's been handing him a lemon or else he's trying to con us. Listen! You

can't make a hit with any guys unless you get a little style into your lingo. The trouble with slang is that it puts your vocabulary on the blink in a jiffy. And then when you want to have a touch of high life and throw the lugs, you're in bad. See? Do you get us? Have some class about you and cut it.

Kettle Scraper Always Useful.

I get so much good from the Woman's page that I want to help a little, so enclosed you will find a drawing of my handy kettle scraper. It will fit everything you wash in your dishpan. It is cut from a scrap of No. 20 or 24 galvanized iron. Any hardware store will make one for 10 cents. The long side of mine is 5 inches, the straight edge on the opposite side 2½ inches, the end is 2½ inches. The hole is for hanging it up by.



Mrs. Guy Nooley.
R. 1, Girard, Kan.

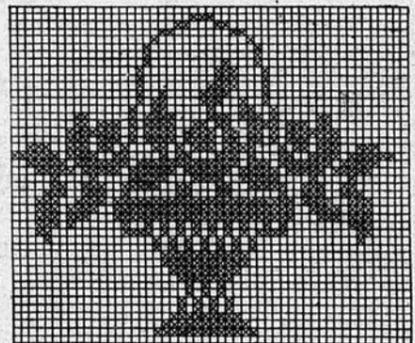
Stretching Out the Stove Wick.

Some people think that when the wick of an oil stove has burned nearly out it is no more good and they throw it away; but I piece it until I have burned all the wick. With a knife I pry the bottom of the wick loose, then take a piece of flannel, make it as thick as the wick and sew it so it is smooth. I put the piece of wick at the top of the flannel and sew it down well, being sure I don't get it too long for the stove. Then with the hammer I mash the bottom down on the flannel as it was on the wick. There may be a little trouble getting it in the stove, but once in it is all right.

Mrs. Ella Venable.
R. 2, Balco, Okla.

Basket in Cross-Stitch Design.

Old fashioned fancy work, of the kind our grandmothers used to do, has been revived in all its forms. All of us are crocheting, and tatting, and making quilts, but nothing is more popular or made in a greater variety of designs than cross-stitch. The easiest way to do cross-stitch is to work the design on apron gingham. But the prettiest ef-



Good Design for Pillow.

fects are produced on burlap, or other goods of a coarse weave, where the stitches must be counted. Two or three colors, with perhaps two or three shades of each, may be used in one design. The basket shown in the illustration may be worked in three shades of brown shading to yellow, and the flowers in three shades of pink and red, with leaves in two or three shades of green. This will make a beautiful pillow, or it may be used in other ways.

How to Clean White Furs.

Can someone tell me how to make a vinegar that is clear and almost white? The vinegar I make with sorghum is of such dark brown color. Also, will someone please tell me how to clean white furs? Seneca, Kan. Subscriber.

The color of the vinegar depends largely on what it is made from. Vinegar from apples will naturally be much whiter than that from sorghum. White furs can be cleaned by taking cornmeal, or cornmeal and borax, heating it and rubbing well into the fur. Let stand several hours, then shake until all the meal is out. A second or perhaps a third application may be necessary.

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HOME DRESSMAKING

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

No. 6148 illustrates a practical coat for the little girl. The pattern is cut in sizes 2, 4, 6, 8, and 10 years. Age 8 requires 3 yards of 36-inch material. The pattern for Ladies' Dress No. 6312 is cut in five sizes, 34 to 42 inches



6148



6312

5502

bust measure. Size 36 requires 3 3/4 yards of 44-inch material, 3/4 yard of 36-inch lining and 1/2 yard of 22-inch net for the yoke.

Ladies' Empire Kimono No. 5502 is cut in sizes 32, 36, 40 and 44 inches bust measure. Size 36 requires 5 3/4 yards of 36-inch material with 6 1/4 yards of ribbon.

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The Farmers Mail and Breeze, Pattern Department, Topeka, Kan.
Dear Sir—Enclosed find cents, for which send me the following patterns:

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Pattern No. Size
Pattern No. Size

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BE SURE TO GIVE NUMBER AND SIZE.

It Pays to Be a Good Parent.

Some day, says Edward Bok, editor of the Ladies' Home Journal, we are going to wake up in this country and decide that it is worth while to be well-born: that to live a decent life ourselves and give a decent heritage to our children is far more important than we dream of. Some of us already are having the fact borne upon us, and we are beginning to hear more and more about a science called "eugenics". What is eugenics? some ask. It is perhaps best told in the story of one man:

He was born in England in Queen Elizabeth's time. He was a clergyman and he lived an upright life. So did his wife.

His son came to the United States: to Hartford, Connecticut, and became an honorable merchant.

His son, in turn, also became a merchant, upright and honored.

His son, again, became a minister, and so honored was he that Harvard University conferred two degrees on

him on the same day: one in the morning and one in the afternoon.

This learned man again had a son, and he became a minister. Jonathan Edwards was his name.

Now let us see, in 1900, what this one family, started by a man in England who lived an upright life and gave that heritage to his children, produced: 1394 descendants of this man have been traced and identified; 295 were college graduates; 13 were college presidents; 65 were professors; 60 were physicians; 108 were clergymen; 101 were lawyers; 30 were judges; 1 was vice-president of the United States; 75 were army and navy officers; 60 were prominent authors; 16 were railroad and steamship presidents.

And in the entire record not one has ever been convicted of a crime. It seems to pay: this living along upright lines and handing a clean life down to one's children, doesn't it? And that is why we should more and more take a keener interest in eugenics.

A Pit for Winter Flowers

GROW THEM OUTDOORS

I have in mind a flower pit which has proved it worth two winters.

An excavation was made 3 feet deep, 6 feet wide and 6 feet long to accommodate two 3 by 6-foot sashes. The sides were boarded up 2 feet above the surface of the ground on the north side, and 1 foot on the south side. A frame, like a hot bed frame, was set outside, making it double above the ground. The soil was then banked up all around the frame, and a little ditch dug about it to carry off the surface water.

The pit was on the south side of a summer kitchen. The sashes were hinged to the back of the frame, and fastened to the building when raised. The floor of the pit was covered 5 inches with cinders, and a gallon of charcoal added. Four shelves were fitted up, forming steps to accommodate plants of different sizes. The sashes fitted closely, weather strips kept out the cold, and the glazing was well done. Each pane of glass was bedded in putty, allowing no water or air to pass through. A heavy door of rough but well matched lumber was made to fit over the glass, and on extra cold nights an old carpet was thrown over all.

In this pit were kept all sorts of window plants, besides a few pots of parsley and chives for the cook. The sashes were never let down in the fall unless there was danger of frost, and they were opened again in the morning when the sun shone. If the weather is very cold the pit may be kept closed for several days; but it should be aired regularly for even in the dead of winter the sun sometimes is quite hot, and if it shines on the glass it might scorch the plants. Attention must be given quite frequently, and that is the reason for placing it near the house where it will be easy of access.

Young Folks Enjoy Their Prizes

Mr. Editor—I received your check for \$1, and was much surprised to get it. Many thanks for it.
Neodesha, Kan. BERTHA PARSONS.

I received my check last night. Since it was the first letter I ever tried to write for a prize I was surely a pleased girl to think I got one of the prizes; and I thank you ever so much. I am going to buy me a little pig with that dollar, and keep it to help pay for that piano.
KATHERINE DROEGMEIER.
Kanopolis, Kan.

Opera Cream Candy.

[Prize Recipe.]

Take 1 1/2 pints granulated sugar, 1/2 pint sweet milk or cream, 1/4 teaspoon cream of tartar. Stir all the time it is boiling. It is done when it forms a soft ball in cold water. Remove from fire, set pan aside and let the contents become cold. Do not stir or handle in any way while cooling or it will go back to sugar. When cold put into a large plate or platter and stir with a paddle until it creams. When too hard to stir work with the hands until it becomes about the consistency of putty. Flavor with vanilla. The candy may be divided, leaving some plain. Work shredded cocoanut into one part and place nut kernels on the rest. Mold in any desired shape and set away to harden. I have received many compliments from friends over this candy.

Mrs. William Lamb.
R. 7, Carthage, Mo.



VD298

Just Issued!!

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The latest issue of "Standard's" remarkable money-saving catalogues is just off the press. If you have not already received your copy, ask for it at once. Don't delay—it is brimful of special Christmas bargains, unheard of values that you dare not miss. Hundreds of bargains like these—Read!

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59c Ladies' hood with white and blue trimming. Blue with cardinal or cardinal with white Postpaid **59c**



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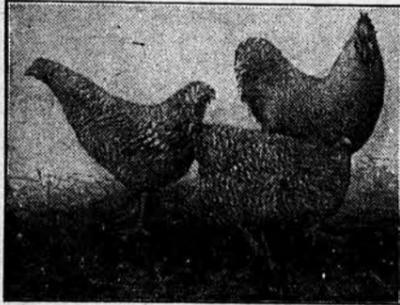
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Breeding a Flock to Lay

Where Crossing Pays and Where it Fails

BY MINNIE B. DAVIS
Holt County, Nebraska.

A good sire is half the herd, is a statement one frequently hears made with reference to the livestock industry. Certainly in poultry raising a good sire is a necessity if we are to have



Home bred Barred Rocks—the kind that can be depended on for eggs or meat.

hardy, numerous chicks. If you are wise, if you profited by observation, you bought eggs last spring and now have fine highheaded, high-stepping fellows prancing about as if they owned the farm.

That is the best way to get your roosters. Raise them yourself and you will be sure of them. If you have not done this, and must buy males from some other flock, by all means attend to it early. Do not wait until late in the spring, and then pick up any old scraggly things that are left. If you do, you will spoil not only next season's hatch but your stock for the following year.

If you are keeping pure-breds, buy birds from some flock where the flock as a whole looks well. I like to see my birds before I buy, and by all means I want country bred fowls. Children brought up in close crowded quarters cannot have the best foundations for health, and neither can chickens grown in small pens. In raising purebreds, selected generation after gen-



A Nebraska S. C. Brown Leghorn cock, first prize winner at the last Omaha show.

eration for the same characteristics there is danger enough of delicate constitution, without additional risk of weakness caused by unnatural and unsanitary conditions.

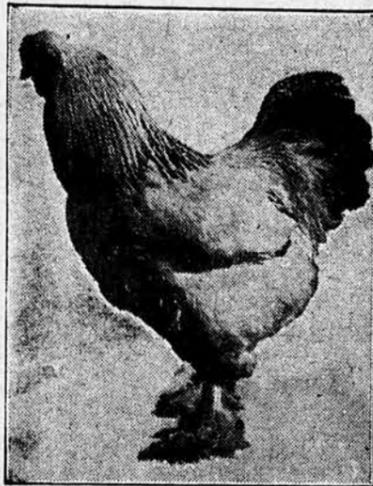
When Crossing Is Allowable.

Crossed breeds are hardy, and if the hybrids are the right mixtures they may prove great layers. Last year I raised some beautiful pullets by crossing Barred Plymouth Rock hens with single comb Rhode Island Red males. The resulting pullets ran to dark colored birds, a few of them purplish black, in others the back portions were dark with gold laced necks, some with every feather outlined with reddish gold. The heads were small, eyes bright and alert, combs small but coral-like; snaky little heads they had, the heads of good layers, and good layers they proved themselves this year. All these mixed pullets were early and steady layers and the eggs were uniformly large, exceeding the average.

The markings mentioned were only in the pullets which far outnumbered the cockerels. The latter showed mostly barred plumage though largely inferior. I did not keep any of them for breeding purposes. Only males should be kept for breeding whose combs are de-

veloped so that you are sure of their sex by the time they are well feathered. And the birds themselves must be gamey enough to be sure of it, too.

The two best hens I ever owned were hybrids—from White Brahma males and Barred Rock hens. They were a rusty black in color with laced necks like Brahmas. The combs were round and erect and the two hens seemed fairly bursting with vitality. One of them laid 50 eggs without missing a day. Then she rested a day or two and laid a double-yolk egg. She then seemed to feel broody and would rest on the nest for a day and the next lay a double yolk. It was many weeks before the product could be stayed long enough to allow her to raise a second family. When her chicks were 2 weeks old she began laying again. I remember the time the next winter when a storm came on and marooned a bunch of hens under a shed for nearly a week. They were drifted in and I carried food and water to them till they could be re-

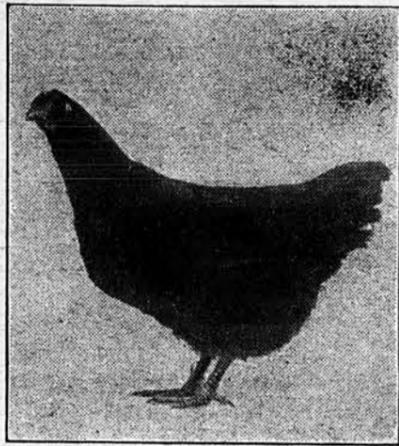


A Light Brahma prize winner showing excellent breeding.

leased. The other hens became discouraged, but old "Double-Yolk", as the children named her, kept right on her daily occupation, though her eggs froze solid and cracked open.

Crosses That Are Failures.

But there are some hybrids that I have no use for. One of these is the halfbred Brown Leghorn. The Single Comb Brown Leghorn hen is a highly nervous and hysterical bird whose chief ambition in life is to turn her food into eggs. Her mate is equally nervous and has the sex instinct to a high degree. As egg machines they are all right. If one wishes to keep a few hens in town where they must be penned, Leghorns will outclass many other breeds. They will offset the confinement by incessant scratching and if furnished the feed they will make it into eggs instead of fat. But I have seen some sad errors made

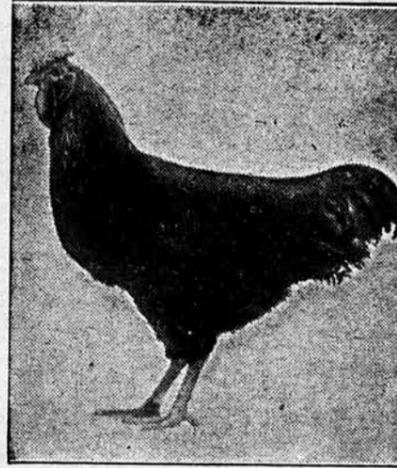


A heavy laying Rhode Island Red pullet—a good likeness of the "egg type."

by bringing home a highly colored Leghorn to head a flock of dignified, handsome Barred Rock dames. Even the mothers could scarcely recognize their own children. They looked like patchwork quilts—here a patch of barred feathers, there a splotch of bright Leg-

horn plumage as big as your hand—largely roosters but with no shape or style of any sort. They were "just chickens," sure enough.

Down in a part of Missouri where I sojourned for a while the women were lamenting the mistake of bringing Leghorn males into their yards. They complained that the chicks ran too much to



A Rhode Island Red cockerel with a long egg laying ancestry behind him.

males and the Leghorn characteristics were not passed on except as to small bodies. Even the eggs were small. If you want Brown Leghorns keep them pure, but no half-breeds.

I tried the Buff Orpingtons when the craze for them was at its height. I found them gentle, lovable creatures but not as profitable as some claims made for them. I never had a hen of this breed that laid more than 20 eggs during her laying period. And the intervals between laying were rather long. Then too the chicks were extremely delicate on account of feathering so rapidly. A chick that has a delicate period seems to me to have the shadow of tuberculosis hovering near it. Another thing about the Orpingtons—the broilers have a sort of stringiness about the flesh which is disappointing to me, and very inferior to the tender plumpness of the toothsome Plymouth Rock.

All things considered, I like the Barred Rocks pretty well, that is if they have

(Continued on Page 13.)

Reliable Poultry Breeders

PLYMOUTH ROCKS.

PURE BARRED cockerels \$1.00 and \$1.50 each. J. F. Padget, Bucklin, Kan.

FOR SALE—Twenty White Rock hens at \$1.00 each. Minnie Clark, Haven, Kan.

BUFF ROCKS—A few breeders and young stock for sale. William A. Hess, Humboldt, Kan.

BIG TYPE BARRED ROCKS. Fine cockerels and pullets half price now. A. H. Duff, Larned, Kan.

FOR SALE—An extra choice lot of Barred Rock cockerels at \$2.00 each. D. N. Hill, Lyons, Kan., R. 1.

FINE BARRED ROCK cockerels \$1.50 each. Vigorous, farm raised. Mrs. H. Buchanan, Abilene, Kan.

PURE BARRED ROCK cockerels, large and vigorous, during Nov. at \$1.00 to \$2.00. C. E. Romary, Olivet, Kan.

BARRED ROCK cockerels \$1.50 to \$2.00. Four 1st and one second at Claremore fair. W. S. Crouch, Claremore, Okla.

FINE White Plymouth Rock cockerels of May hatching \$1.50 each. A bargain. Mrs. Hugh Williams, Route 1, Wymore, Neb.

BUFF ROCK cockerels \$5 each to make room. Fine big fellows. Satisfaction guaranteed. C. R. Baker, Box 2, Abilene, Kan.

ORPINGTONS

PURE BRED White Orpingtons. Rooster \$1. Albert Welty, Moundridge, Kan.

PURE BRED S. C. Buff Orpington cockerels \$1.00 each. Vera Schabie, Fairview, Kan.

WHITE ORPINGTONS all ages. Low prices, good birds. Mrs. Helen Lill, Mt. Hope, Kan.

S. C. PURE BRED Buff Orpington cockerels. Old hens, one dollar each. Chas. O'Roke, Fairview, Kan.

HAVE eleven Kellerstrass White Orpington hens and pullets left for sale. \$15 takes the bunch. Get this big bargain. C. O. Crebbs, Strong City, Kan.

GOLDEN BUFF YARDS, home of Orpingtons that are bred to lay and win. Winners of 139 prizes in 1911 and '12. Cockerels, pullets for sale. Eggs in season. Write me. Bert Wheeler, Fairfield, Nebraska.

WYANDOTTES.

WHITE WYANDOTTES. Cockerels \$1 each. Mrs. M. F. Austin, Miltonvale, Kan.

CHOICE BUFF WYANDOTTES. Both sexes. Prices reasonable. John P. Ruppenthal, Russell, Kan.

HOMERS 50c—Carnoux \$1.00 pair—Columbian Wyandotte pullets \$1.00 each. J. J. Pauls, Hillsboro, Kan.

SILVER LACED WYANDOTTE cockerels for sale. \$1 to \$3 each. Satisfaction guaranteed. Write for circular. S. B. Dressler, Lebo, Kan.

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.

CHOICE Buff Leghorn cockerels half price for next 30 days. Alf Johnson, Leonardville, Kan.

SINGLE COMB BROWN LEGHORN cockerels \$1.00. Mrs. A. Anderson, Greenleaf, Kan.

SINGLE COMB WHITE LEGHORN cockerels \$1 and \$2 each. Mrs. Joe Boyce, Carlton, Kan.

150 PRIZEWINNING Single Comb Brown Leghorn cockerels, 75 cts. each. Chas. Dorr, Osage City, Kan.

FOR SALE—A choice lot of S. C. White Leghorn cockerels. Extra fine stock. Harry Givins, Madison, Kan.

RHODE ISLAND REDS.

RHODE ISLAND RED cockerels, both combs, at right prices if ordered at once. H. A. Sibley, Lawrence, Kan.

FOR SALE—S. C. R. I. Red cockerels ready for service. Blue ribbon winners. C. W. Murphy, 1750 Mass. St., Lawrence, Kan.

MAKE ROOM SALE. R. C. Red hens. Good winter layers. Utility stock. \$1.00 each; \$10.00 doz. Mrs. Walter Shepherd, Woodward, Okla.

SEVERAL VARIETIES.

TURKEYS, chickens, geese, ducks. Emma Ahlstedt, Roxbury, Kan.

BOURBON RED and White Holland turkeys. Box 66, Inman, Kan.

ANCONA cockerels, Shepherd strain, \$2 each, 3 for \$5. Mrs. Edgar Fisher, Cedar Vale, Kan.

A FEW fine Single Combed Rhode Island Red pullets, also a few cockerels at prices to sell. F. B. Severance, Lost Springs, Kan.

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

Reliable Poultry Breeders

FARMERS MAIL AND BREEZE POULTRY RATE.

The rate for advertising under the "Reliable Poultry Breeders" column is 5c per word each time for 1, 2 or 3 insertions and 4½c per word each time for four or more insertions.

DUCKS.

ENGLISH PENCILED Indian Runners. Ducks \$1. Drakes \$1.50. B. E. Benson, R. 5, Atchison, Kan.

ENGLISH PENCILED Indian Runner ducks and drakes \$1.50 each. Clyde Creglow, Burlington, Colo.

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

75 INDIAN RUNNERS. Three strains. Not related. "Chalk White" Wyandottes. G. B. Clary, Fairbury, Nebraska.

STANDARD Light Fawn and White Indian Runners from 280 white egg strain, \$3 pair. Frank Fisher, Wilson, Kan.

LANGSHANS.

BLACK LANGSHANS. Prices for a short time, cockerels \$1.25 each, pullets \$1.00 per dozen. Mrs. J. B. Stein, Smith Center, Kan.

ANCONAS.

ANCONA cockerels until middle November, \$1.00, \$1.50 and \$2.00. O. L. Burnett, Council Grove, Kan.

TURKEYS.

CHOICE Bourbon Red toms \$3.50. C. A. Barr, Bayard, Kan.

MAMMOTH Bronze turkeys. Toms \$5.00, hens \$3.00. Mrs. A. Anderson, Greenleaf, Kan.

LARGE BONED Bourbon Red turkeys. Thoroughbred. \$4.50 each. After Thanksgiving price will be \$5. Fay Egy, Turon, Kan.

FOR SALE: 100 Bourbon Red turkeys. Hens \$2.50, Toms \$4.00, for short time only. Mrs. W. Guy McCandless, Cottonwood Falls, Kan., R. 1, Box 52.

LEGHORNS

Single Comb Brown
Rose Comb Brown

NEBRASKA POULTRY CO.

LEGHORNS

Single Comb White
Rose Comb White

W. F. HOLCOMB, Mgr.

LEGHORNS

Single Comb Buff
Rose Comb Buff

CLAY CENTER, NEB.

English Leghorns Still Lead

The pen of White Leghorns from England is still leading in the egg race at Mountain Grove, Mo., but a Buff Wyandotte from Vermont, U. S. A., is ahead among individual hens. The 10 English birds had laid 1,984 eggs from November 15, 1912, to October 1. During the same period the Buff Wyandotte had shelled out 249 eggs.

The following 10 pens have made the highest pen records to October 1:

- S. C. White Leghorns, England.....1984 eggs
- Silver Wyandottes, Iowa.....1892 eggs
- Buff Wyandottes, Missouri.....1691 eggs
- Aucunas, Missouri.....1670 eggs
- S. C. White Leghorns, California.....1652 eggs
- Black Minorcas, Iowa.....1643 eggs
- R. C. White Leghorns, Missouri.....1618 eggs
- White Wyandottes, Arkansas.....1609 eggs
- Buff Wyandottes, Vermont.....1597 eggs
- Black Langshans, Missouri.....1555 eggs

In this connection it will be interesting to note how Lady Showyou, winner of last year's national contest, has been deporting herself. "She is the most remarkable hen I ever saw," writes J. G. Poorman of Tinley Park, Ill., who now owns her. "She never has been in good plumage, has not gone broody, and has been laying right along. I hatched 101 chicks from 112 of her eggs. She is laying now an egg every other day. She has laid more than 170. She has not been sick a day. It seems as though she delights in being alone. She is continually on the go from morning until night."

What Are You Going to Feed?

Mr. Editor—Corn and kafir will be very high in price this winter and the feeding problem is going to be a serious one for poultrymen. I wonder what poultry raisers are going to use for feed—those who have not raised enough of their own. I would like very much to hear from other Mail and Breeze readers who are up against this feed problem. How are you going to manage?

As for myself, I intend to feed oats mainly, also some wheat and a dry mash. But I have heard that oats would kill chickens as the husks are hard to digest and the crop and gizzard become packed with them. I would like to have the opinions of other readers who have had experience in feeding oats.

I think we ought to keep all the chickens we possibly can even if feed will be high. Eggs are bound to be high too and that will even things up. Alta Vista, Kan. M. S.

If fed exclusively, oats might cause trouble by packing in the crops. But where wheat and a dry mash are mixed in there should be no danger. As a matter of fact, chickens need a certain amount of coarse feed, like oat husks, in their feed, just as little require some roughness with their grain. We hope readers will act on the request of M. S. and send in their ideas and suggestions.—Ed.]

One Way to Buy Eggs Cheaply

For the last two years a number of farmers in this vicinity have been shipping eggs direct to a firm whose former address was Argentine but is now Kansas City, Kan. This firm paid good prices, but in almost every instance they have beaten their customers out of one or more cases of eggs. They would resist leaving a shortage of one or more cases; they would then ignore their customer until he had written three or four times; then perhaps would answer saying they would investigate and if they found anything due would remit, but would do nothing and ignore further correspondence. I think all their customers in this county have ceased shipping to them. I should like to hear from readers of the Mail and Breeze whether this has been the policy of this firm in other localities. If so they should be put out of business. J. A. D. Meade, Kan.

Signs of Age; Fall Hatching.

- (1) What is a good way of knowing when hens get old? We have a hen nearly three years old that has no spurs yet. How old do hens get before starting spurs?
- (2) Would you advise selling off most of my old stock this fall?
- (3) When is the best time to set hens for fall hatching?—H. G., Anderson county, Kansas.

(1) If the general appearance of the bird does not indicate it the most reliable way of knowing whether a hen is old, is to feel the soles of her feet. If old they will feel hard; if young, they will feel more tender. To get the right idea, we would suggest your catching a bird known to be old, and compare her feet with those of a pullet. Spurs are

ENGINE PRICES DOWN ANOTHER NOTCH!

Look at these Prices!
 2 H-P, \$39.45; 4 H-P, \$75.50;
 6 H-P, \$99.35; 8 H-P, \$149.90; 11 H-P, \$218.90;
 Other sizes, up to 40 H-P, proportionally low.

Direct from Factory to User!
 Why pay two prices for a good engine, or take chances on a poor, or an unknown engine, when the "WITTE" costs so little, and saves you all the risk.

WITTE ENGINES, Kerosene, Gasoline & Gas

Stationary, Portable and Sawing Styles. **60 DAYS' FREE TRIAL** **CASH OR EASY TERMS.**

LET ME send you a "WITTE" engine to earn its own cost while you pay for it. It's cheaper than doing without one. I have proved that to thousands who are now WITTE users.
Ed. H. Witte.

It is cheaper and easier to own a "WITTE" engine than to do without one. My New Offer makes it easier to get the work done by machinery than by muscle or brute power. No need now to get along without a "WITTE."

New Book Free—My New Book—the finest in the whole engine business—explains all. It tells you how to be sure in your selection, even if you don't pick a "WITTE." Send me your address today, so I can send you this book FREE with my New Offer.

ED. H. WITTE, Main Desk, Witte Iron Works Co.
1544 Oakland Ave., Kansas City, Mo.

HOW TO JUDGE AN ENGINE
 READ THIS BOOK BEFORE YOU BUY ANY ENGINE
 IT IS SENT FREE FOR THE ASKING.

not to be depended upon as indicating any certain age as some hens never develop them.

(2) A great many farm poultrymen make the mistake of selling off their old stock in the fall, thinking the young stock will do better for breeding stock. With few exceptions, the 2-year-old hen makes a better breeder than the pullet. If any old stock is sold, select the best for breeders and let the rest go.

(3) Set hens for fall chicks so as to have them come off during September.

Breeding a Flock to Lay

(Continued from Page 12.)

been well bred, with fine males. Too many make the mistake of choosing the cock by weight. I prefer a light bird, plumage not dark but decidedly barred—by all means not whitish or grey. He must have an erect tail and high head carried upright, not forward, with high-stepping yellow legs, and gallantry evident in his bearing. And by the way, have several of this kind, at least as many as your hens are dozens. Be on the safe side.

Then cull out your unprofitable hens, those that are clumsy, whose feet and legs are heavy, or who show any leg feathers. A good Barred hen is neat and dainty in all her ways, extremely feminine in all her airs.

A good deal of nonsense about chickens you say? No, just observation of facts, and close acquaintance with feathered partners.

Just one thing more. If your hens are all mixed chickens they may be excellent layers, but do not keep calico roosters. Get good birds of some good breed—Barred or White Rock, Rhode Island Red, Wyandotte—something with character but not the Leghorn unless you want your birds to dwindle into little nondescripts which develop forgotten wild ways and take to the timber like partridges.

In 50 Years

Only 50 years from ox team to automobile, from forded streams to concrete bridges. Only 50 years from buffalo grass to alfalfa, from unplowed fields, pounded by hoofs for a thousand years, to the mellow soil of varied crops, says the Bison Bee. Only 50 years from bisons to Shorthorns, from the wandering tribes to the contented families. The plodding pace of "Buck and Berry" and the gliding 1913 model afford no greater contrast than that which obtains in all lines in Kansas. It's only 50 years from inebriety to sobriety, from Kansas drunk to Kansas sober, only 50 years from the wagon trail to the iron rail. Only 50 years from the "buffalo chips" to natural gas. Only 50 years old, yet one state alone has more money on deposit than Kansas. Fifty years ago only an occasional letter, today the rural carrier visits nearly every farm house. Telephones, rural carriers and good roads make neighbors closer than formerly when a block apart. Kansas, the commonwealth, has had her infancy and her ripened age, in less than the lifetime of one generation. "Better 50 years of Kansas than a cycle of Ca-thay."

The Bercha 20th Century Grinding Mill

is guaranteed to grind twice the quantity of any kind of grain or alfalfa hay with one half the Power required by any other mill—it costs no more than other kinds. Made by

THE BEATRICE IRON WORKS, Beatrice, Nebraska

You are invited to write them for free literature, cuts and prices. No obligation to buy.

REDUCE YOUR FEED BILL

And improve your stock by feeding Cold Pressed Cotton Seed Cake which has proven more superior and economical than cooked meal and hulls by comparative tests made at agricultural colleges of different states. The result of these tests will be furnished you on application. **COLD PRESSED COTTON SEED CAKE** gives sure and quick gains to fattening cattle, insures more milk from dairy cows, more work from horses, mules and oxen, better sheep, better wool. No waste in feeding, clean and easy to handle. Write us for price delivered your shipping point. Bank reference, American National Bank.

AMERICAN ICE AND OIL CO., Oklahoma City, Oklahoma

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

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

**Rheumatism, Sprains
Backache, Neuralgia**

"Yes, daughter, that's good stuff. The pain in my back is all gone—I never saw anything work as quickly as Sloan's Liniment." Thousands of grateful people voice the same opinion. Here's the proof.



Relieved Pain in Back.

"I was troubled with a very bad pain in my back for some time. I went to a doctor but he did not do me any good, so I purchased a bottle of Sloan's Liniment, and now I am a well woman. I always keep a bottle of Sloan's Liniment in the house."—Miss Matilda Cotton, 364 Myrtle Ave., Brooklyn, N. Y.

Sciatic Rheumatism.

"We have used Sloan's Liniment for over six years and found it the best we ever used. When my wife had sciatic rheumatism the only thing that did her any good was Sloan's Liniment. We cannot praise it highly enough."—Mr. Parigo, Des Moines, Iowa.

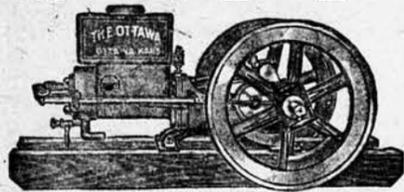
Sprained Ankle Relieved.

"I was ill for a long time with a severely sprained ankle. I got a bottle of Sloan's Liniment and now I am able to be about and can walk a great deal. I write this because I think you deserve a lot of credit for putting such a fine Liniment on the market and I shall always take time to recommend Dr. Sloan's Liniment."—Mrs. Chas. Rouse, Baltimore, Md.

**SLOAN'S
LINIMENT**

At all Dealers—25c., 50c. and \$1.00. Sloan's instructive book on horses, cattle, hogs and poultry sent free.
Address Dr. Earl S. Sloan, Inc. Boston, Mass.

5 H-P



Here's the most reliable 5 H-P. engine in America. I absolutely know that it will wear longer and do more work than any other engine of the same size you ever used, even though it cost twice the money. Sold under a positive iron clad guarantee. Don't pay two prices, but be your own dealer—buy direct from our big factory.

only \$89.50

1 1/2 H-P. \$24.75; 2 H-P. \$28.75; 3 H-P. \$56.50.
Other sizes in proportion:

Big 48 Page Catalog

FREE! If you are thinking of buying an engine, any size from 1 1/2 to 15 H-P. don't pay a single dollar until you get our price—the lowest you ever heard of—and our big 48 page four color Special Engine Catalog. It will save you from \$20 to \$100 sure. **FREE**—Send for it today. Address:

GEO. E. LONG, General Manager,
OTTAWA MANUFACTURING CO.,
535 King Street, Ottawa, Kansas.

YOUR OPPORTUNITY

is NOW in the Province of

SASKATCHEWAN Western Canada

Do you desire to get a Free Homestead of 160 Acres of that well known Wheat Land? The area is becoming more limited but no less valuable.

New Districts have recently been opened up for settlement, and into these millions are now being built. The day will soon come when there will be no Free Homesteads left.

A Swift Current, Saskatchewan farmer writes:—"I came here on my homestead March, 1906, with about \$1000 worth of horses and machinery, and just \$35 in cash. Today I have 500 acres of wheat, 300 acres of oats, and 50 acres of flax." No bad for six years, but only an instance of what may be done in Western Canada, in Manitoba, Saskatchewan or Alberta.

Send at once for Literature, Maps, Railway Rates, etc., to

Canadian Government Agent
125 W. 9th St.,
KANSAS CITY, MO.
or Address, Superintendent of Immigration
Ottawa, Ont., Canada

25¢ RENEWS OLD RECORDS

This multi-tone talking machine needs makes old records good. Removes scratches. Preserves new ones. Adjust needle for tone desired. Thousands may need the best ever used. Large firms buy in million lots. Send 25c for package of 100 to play 1000 times.

PETMUCKY NEEDLE COMPANY,
1219 Long Bldg., Kansas City, Mo.

Pump with a Farm Cushman

4-H. P. All-Purpose 4-Cycle Engine

Does everything any 4-H. P. engine will do and some work no other engine can do. An ALL-PURPOSE, all-season engine AND will run any blower. Weighs 100 lbs. Throttle governor. Guaranteed 10 years. Also 2-cylinder 6 H. P. up to 30 H. P. Get catalog and trial offer.

CUSHMAN MOTOR WORKS, 2030 N. St., Lincoln, Neb.

LEARN THE BIG MONEY TRICKS OF THE POULTRY TRADE

Big Illustrated Book of Success Secrets FREE

The well-known poultry authorities, Reese V. Hicks, has written an intensely interesting and practical book that should be in the hands of everyone interested in raising poultry. This book, "Tricks of the Poultry Trade," tells three methods of selecting the laying hen; a sure and certain method of selecting eggs for hatching; How to raise 500 chickens on a lot 30 by 40 feet; How to build a natural hen incubator; How to build feed hoppers and fireless brooders; How to make feed at 10 cents a bushel; How to make winter egg ration, poultry feeds and tonics, egg preserver, louse killers, etc. All these and many more subjects are fully covered in this great book which we're giving away FREE on this plan: **OUR OFFER:** We will give you one year's subscription to our big weekly Farm Magazine, Farmers Mail and Breeze, one year's subscription to Poultry Culture, the best Poultry Journal in the West, and one copy of this great book of poultry secrets—all for only \$1.25. State whether you are an old or new subscriber. Address at once, **Mail and Breeze, Dept. PC-10, Topeka, Kansas**

98 cents
5 YEAR GUARANTEE

How to Force Rhubarb

A. J. Nicholson Grew Four Tons on 100 Feet

BY HARLAN DAVID SMITH
Manhattan

More than four tons of rhubarb were grown three years ago by A. J. Nicholson of Manhattan, before the frost had left the ground. He sold it at 6 1/2 to 8 cents a pound. It was produced on a space less than 100 feet square.

This rhubarb was grown by a method which truck farmers call "forcing" and must be done in a warm, dark place. A cellar might be used for a small amount. To produce rhubarb for commercial purposes it is necessary to build a forcing house. Mr. Nicholson grows his crop in three such houses, that cost less than \$50 apiece.

How to Make Forcing Houses.

A forcing bed is made by digging into the ground about four feet, and then filling in with manure. Cover this with six or eight inches of rich soil. The top of the bed should be nearly a foot below the ground and a rooflike frame placed over it, covered with building paper, or some other cheap material. On top of this is piled manure eight or ten inches deep. A box stove is placed in one end of the house, with a pipe running the full length of the structure, so as to divide the heat evenly.

Four weeks before the crop should mature start a slow fire. The crop may be brought on as desired by having two or more houses and starting the fire in one house and a little later starting it in the next. Care should be taken not to have too much rhubarb maturing at once. It might not find a good market, and again you might not be able to handle it.

Plants Must Freeze.

The roots are placed in the forcing bed in the fall. They should be allowed to freeze before starting to force them. Every plant must have a resting period. New roots must be set out every year to take the place of those put in the forcing beds. The roots used in the forcing beds are of no further value, either in the forcing bed or when transplanted. Three or four cuttings may be obtained from them while in the forcing house. The stalks of the last cutting may be too small.

The roots must be grown from cuttings. Sufficient rhubarb may be sold from the growing roots during the season to pay for their care and the land they occupy. Rhubarb grown in a forcing house is of the finest quality. It contains very little acid, has a fine flavor, and is very tender. It brings the highest price for these reasons and considering the season in which it is marketed.

Very little energy is lost from the roots in producing the leaves. The stalks grow long and have leaves that are

smaller than a man's hand. It is essential to keep the house dark in order to produce these small leaves. Mr. Nicholson has been growing rhubarb for the last seven years.

Careful of Yourself

Code id the head? No; this is not an advertisement. It's a straight, heart-to-heart talk about colds. These talks are necessary once a year or oftener. People are so careless. Along comes a little cold spell and out comes the overcoat. Warm days return and the coat is flung off. Mother heats the house until the furniture cracks and—well, you get a code id the head.

Heat is responsible for more "colds" than cold. Colds are practically unknown to Arctic explorers and are uncommon to any outdoor workers who don't offset the good effect of their outdoor occupation by indoor coddling. The symptoms of a "cold" are the symptoms of irritation of the air passages. Dry, hot, stuffy indoor air is a lot more irritating than cold, snappy outdoor air. Fever is a sign of germ infection. Germs are always present in the nose and throat and they are as quick as a life insurance agent to take advantage of conditions favorable to their business.

Constipation, dust, exposure to others infected, overdry and overheated rooms, cars, depots, theaters, schools, cause more colds in a week than draughts and wet feet do in a year.

The nose was designed for a filter in-let to the lungs. This filter or strainer becomes clogged. Nature has provided an automatic system for cleansing it. When the membrane which lines the air passages becomes irritated by dirt or germs, a secretion is liberated which flushes the nose. That explains the "running nose." Sneezing is a natural attempt to expel the irritating and harmful substances and excess moisture from the nose. When a cold is "coming on," the bowels should be kept open. Gently washing the nasal passages with a weak alkaline solution shortens the natural process and is less annoying. To wash the nose, a soft rubber ear syringe should be procured. A tumbler of fairly hot water, with a pinch each of common salt and cooking soda, or borax added furnishes an easily home-made solution.

Great care is necessary that no harm may be done to the ears by the forcible introduction of water into the tube which leads from the ear to the nose. The head should be inclined forward, the mouth kept open, without strain, but open! Be gentle. Nothing is gained, but much harm may be done to the ears by forcing the pressure against resistance. An occasional washing after dust storms, or railway journeys, before a cold develops, will show exactly how the syringe should be used, and furnish almost certain protection against an immediate attack.

Late Seeding Stopped Flies

Wheat growers in Leavenworth county are convinced of the value of late wheat sowing to avoid injury from Hessian flies. P. H. Ross, county agent for this county, reports gratifying results from his efforts to have wheat sown after October 1. Not more than 15 per cent of the wheat acreage of that county was sown prior to that date this year, Mr. Ross says. The lesson is sinking into those who had wheat up early, as the flies have been working a great deal within the last few weeks. The Hessian fly has been the leading topic of conversation among wheat growers up there. Mr. Ross started this work last year and those who followed his counsel at that time report much less injury from the fly than those who disregarded it.

Incidentally, Leavenworth county will have a general burning day to get rid of chinch bugs. This day will be set for some time in November or December, depending upon weather conditions.

I consider the Mail and Breeze the best farm paper published.—R. S. Holland, Wann, Okla.

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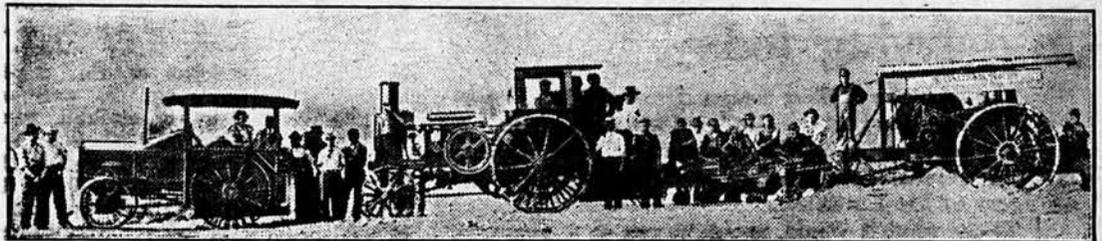
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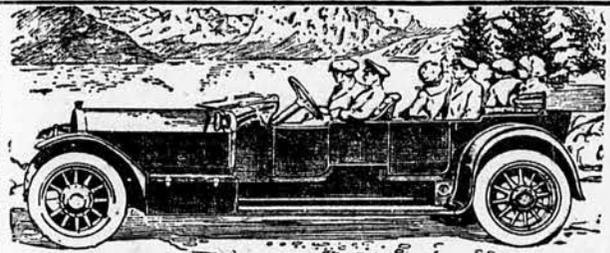
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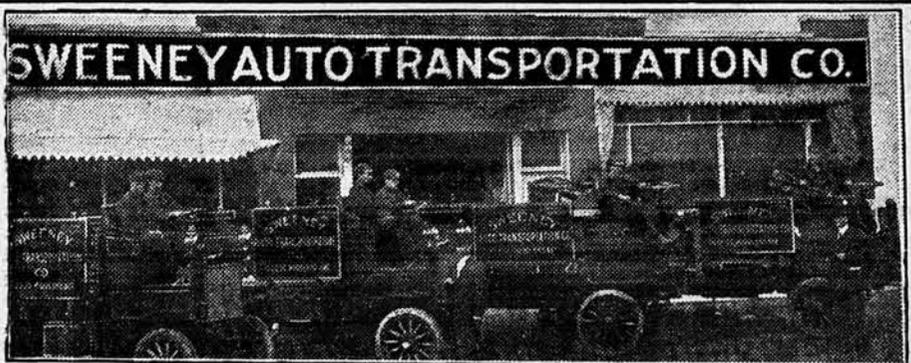
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The Sharples Milker means cleaner milk—a problem of serious import to the modern dairyman. It means a large saving in milk production. And it eliminates the most disagreeable part of dairying—the drudgery of hand milking.

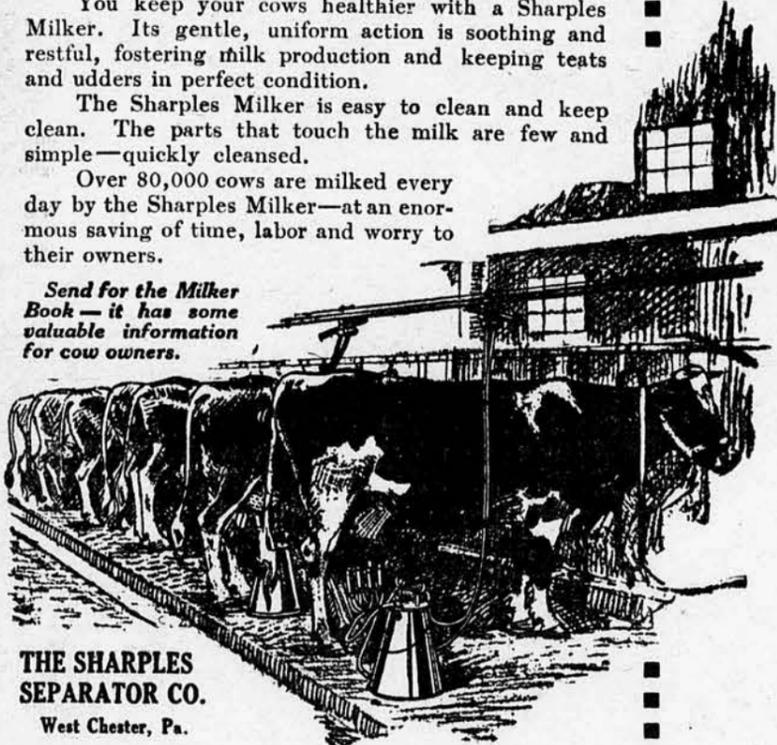
Think what it would mean to you as a dairyman to be able to save more than a third of your present payroll. Remember, too, that the Sharples Milker is on the job every day, year in and year out, saving you all kind of worry and care.

You keep your cows healthier with a Sharples Milker. Its gentle, uniform action is soothing and restful, fostering milk production and keeping teats and udders in perfect condition.

The Sharples Milker is easy to clean and keep clean. The parts that touch the milk are few and simple—quickly cleansed.

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Milking Machines Will Pay Tests in Wisconsin Prove Their Value

Practical test has demonstrated that the milking machine, the substitute hired man of the dairy farm, fills the bill and makes good in the use to which it is put. The period of skepticism when the dairy farmer gazed at the machine through a pair of blue glasses is about over. The efficiency of the machine as a labor saver and cost reducer in drawing the milk from the cow in a sanitary way has recently converted many erstwhile bitter enemies into enthusiastic friends of this implement of modern dairying. In only one respect is the milking machine weak at the present time and that is in the difficulty of keeping the device clean and sanitary. The machine draws the milk from the cow at less cost and in less time than the hand milker can perform the work; it milks the cow without in any way injuring her value as a dairy animal; it materially reduces labor on the dairy farm, but at the same time it arouses a hornet's nest in the trouble that is caused to maintain the apparatus in a condition that verges on the pink of cleanliness.

A little while back the Wisconsin Agricultural college conducted some interesting tests in order to determine the value of the milking machine. Dairy cows were milked with the machine under a wide range of different conditions, and without exception the device proved its efficiency and practical nature, says The Field. The only trouble that was met with was in keeping the apparatus clean. Experiments carried out by the United States department of agriculture verified the results obtained in the Badger state. These results, in addition to those obtained on many practical dairy farms, the country over, undeniably show that the milking machine has won a place of importance in the annals of American milk farming.

The difficulty of securing efficient help to do the milking has materially retarded the development of the dairy industry in many sections of the country, while in innumerable instances it has caused the individual farmer to keep less cows than he would were he able to obtain plenty of hired men. The machine remedies these difficulties, and where it is intelligently operated and cared for, the best results attend its use. Two types of machines are on the market, one being operated by pressure on the teats and lower part of the udder, while the other is worked by suction either with or without the subsequent manipulation of the udder in imitation of the sucking of the calf.

Machines of the latter variety are generally used in this country and they feature the gradual exhaustion of the air from tightly covered milk pails by means of vacuum pumps. In turn, the pails are connected by rubber hose and stanchion cocks with a system of piping extending in front of the cow stalls. The direct connection between the pail and the cow's udder is secured by means of a rubber tube and so-called "teat cups" and mouth pieces that fit over each teat. Either a 3-horse power electric motor or a small gasoline engine can be used to run the machine. Continuous suction on the teats during the process of milking is injurious, and consequently intermittent suction is practiced in order to prevent any abnormal strain on the teats or udder of the cow.

How One Dairyman Will Feed.

[Prize Letter.]

Mr. Editor—We are running a dairy of 60 Holstein cows and sell milk in Independence. The sale of milk gives us the best and quickest returns with the least risk and expense of labor. For feed this winter we have three silos schock full of succulent feed. We will feed silage in the morning and evening and at noon the cows will receive an allowance of alfalfa hay. For grain feeding we have more than 100 tons of bran and cottonseed meal on hand.

We have more than 100 acres of alfalfa and have just finished seeding 35 acres more. We have also sown some wheat for fall and winter pasture. Our alfalfa gave us a nice seed crop averaging 5 bushels an acre and from present indications we will be able to cut another crop of hay. If not, we will pasture all our stock on it this fall. Of

course, it is dangerous to turn the cows on alfalfa but we keep a man with the herd all the time. As soon as he finds one bloating she is taken off and by running her a little the trouble is overcome. If this does not work we have other remedies that will. We have only lost two animals in three years. The calves run on alfalfa through the summer without danger of bloat. But as soon as they are from 9 to 12 months old they become subject to attacks and we must look out for them.

We raise our calves and now have 27 heifers on hand which we expect to develop into milk cows. I believe the best way to improve a herd of milk cows is to raise good heifers from high producing cows. I prefer Holsteins where quantity of milk is wanted. In buying mature cows one gets too many animals the other fellow didn't care for because he found them wanting in some respect.

We vaccinate our calves for blackleg and also keep our Duroc hogs vaccinated against cholera. But we have had some bad results with serum that was untested. There should be a law against the promiscuous distribution of any but absolutely first-class vaccine that has been found to be trustworthy by actual test. G. W. Waggoner.

Independence, Kan.

Why Clean Milking Pays.

It pays to keep on milking until the last drop is drawn if the object of the milker is a high per cent of cream. This was again fully demonstrated in a test with five cows carried on by the Kansas Experiment station. The average amount of butter fat in the first milk drawn was one-fifth of 1 per cent. In fact this skim milk looked about as thin as ordinary skim milk. The increase in richness was gradual though not uniform as the milking proceeded. The very last sample was very rich in cream. By leaving only a very small per cent of milk in the udder it was found that the difference in amount of butter fat might be as much as 1/2 per cent in favor of the clean milking.

A Kansas Feeder Wins.

K. G. Gigstad, of Lancaster, Kan., an inexperienced breeder, judged from the standard set by professional breeders and show cattle men, won the American Royal's fat carload championship and \$225 in prize money with a carlot of fat Shorthorns. Mr. Gigstad has been in the cattle business only eight years and this is the first time he placed any of his cattle on exhibition or entered them in any kind of competition for prizes.

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We have just published in one large volume one of the most valuable and most comprehensive courses of instruction in home dressmaking ever written. This course of lessons covers practically every phase of the subject of dressmaking. It tells you how to make most every garment, from the simplest house apron to the most elaborate evening gown.

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Making Beef of "Wet" Heifers

A Profitable Side Line In Cattle Feeding

Cattle feeding for market is a many-sided business. There are twists and angles to it that the average layman is an entire stranger to. Fred Lorimer, who manages the Miller estate near Olathe, Kan., realizes a handsome return each year from the handling of "wet" heifers. Now what is a "wet" heifer? The term as Mr. Lorimer defines it takes in those heifers whose first calves have been vealed, or lost from some cause. Usually these heifers give poor promise as milkers and are disposed of at the first opportunity, generally at a sacrifice.

These animals find their way to the large livestock markets in considerable numbers. Mr. Lorimer buys them at the Kansas City yards at a very low figure. They are taken to the pastures on the Miller farm or put on roughness if secured in the winter time. A Hereford bull of high breeding quality is allowed to run with the cows.

This industry is more or less of a gamble depending on the supply of feed and the whims of the cattle market. For instance, in 1911 Mr. Lorimer bought a bunch of these heifers at \$3.85 a hundred pounds. They averaged 601 pounds each at the time and were in a condition to put on weight rapidly. They were bought in the winter time and first put on cane and corn fodder. In the spring they were turned on good grass pasture.

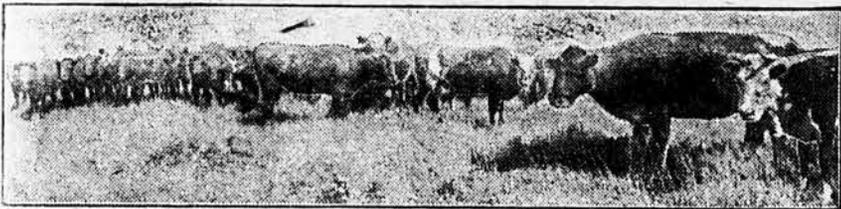
for Mr. Winbrinner four and one-half miles northeast of Tonkawa. The picture shows the plant in operation.

We have a 5-inch centrifugal pump and the well is 23 feet deep. The pump is operated by a 15-horse power I. H. C. engine, and throws 732 gallons of water a minute. This plant has been irrigating 35 acres of alfalfa this summer but next year Mr. Winbrinner hopes to increase the acreage to 100 and irrigate both corn and alfalfa.

This is the first year this plant has been in operation but in another year there will be at least a dozen similar plants established in this neighborhood. Pump irrigation, where the water level is high, is bound to be a great thing for this country, just as it is proving to be in other sections. C. E. Moss. Tonkawa, Okla.

Improving the Elberta

Missouri is threatening Georgia's supremacy in the production of Elberta peaches of size and quality, and Georgia is the state which a few years ago originated the Elberta. Some specimens of the Stark early Elberta, developed by Stark Brothers, Louisiana, Mo., were recently shipped to the Mail and Breeze by their improver, for inspection. The fruit was large and uniform in size, of



A Herd of "Wet" Heifers on Summer Pasture on the Miller Farm Near Olathe

Within a year from the time they were bought some animals were sold from this herd for as much as \$9.00 a hundred pounds. The calves were disposed of when they weighed about 300 pounds, at from \$6 to \$18 each.

A large number of the best animals were sold to local meat markets. Thus the profits that otherwise would have gone to the packers and railroads were divided between the feeder and butcher. Some of the heifers showed unmistakable signs of dairy breeding and were sold as milk cows for as high as \$65 each.

This year Mr. Lorimer has a herd of 301 of these heifers which he bought at almost his own price last winter. They put on gains at a rapid rate last spring while pastures were good but had a hard time adding weight through the summer. Nevertheless, the class of beef to which they belong now is worth from \$7 to \$9 on the Kansas City market at this time. But Mr. Lorimer has enough faith in the future cattle market to hold onto this stock a while longer, for advances both in weight and price.

An Oklahoma Pumping Plant

Mr. Editor—The article on irrigation in Kansas in last week's Mail and Breeze was interesting reading to me. That is what our farmers on the Chickasha and Salt Fork bottoms will be doing before many more years. They will find it more profitable to put their money into pumping plants than automobiles. I am running a pumping plant

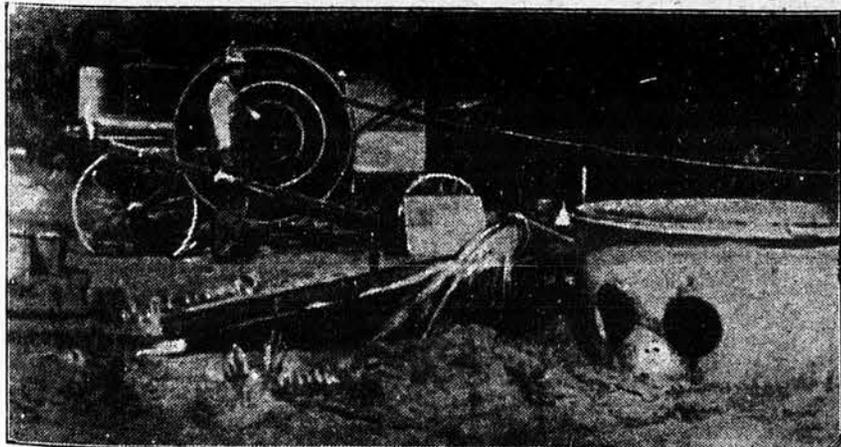
fine yellow color, partly covered with crimson, and the flesh was yellow and very juicy. In circumference the peaches ranged from 7½ to 8 inches. In Missouri Mr. Stark recommends Elberta seedlings. Seedlings of this variety are receiving special attention from peach growers in the Southwest and eastern Kansas.

In a few years, comparatively, the Elberta peach has become the leading variety and now is the peach most commonly grown in the United States. It is a fine yellow freestone, an excellent shipper, and reaches the market at a good time. Further, it is very hardy in the bud and scarcely ever fails. Though it is surpassed by some of the other varieties in flavor, the Elberta is easily in the lead as a money-crop utility peach. This makes Missouri's improvement of the Elberta, the more important and interesting.

His First Dollar

Mr. Editor—I received your letter with the \$1 in it. I was surprised to see it for I didn't think my letter was worth \$1. That is the first time I ever received a dollar for writing a letter.

I thank you very much for it. I send for a watch advertised in the Mail and Breeze and the \$1 pays for it, so I will think of you every time I take the watch out of my pocket. Hillsboro, Kan. Sam Nickel.



With a capacity of 732 gallons a minute this plant carried 35 acres of alfalfa through the summer.

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STARK TREES AT LOUISIANA, MO. SINCE 1816

Plant this Fall Sure

Don't let this season go by without getting Stark Trees in your orchard. Right now is the time to get your order in for Fall planting. Fall is the best time to plant. The tree establishes itself and is ready to start growth early in the spring with strength to withstand summer droughts.

Stark Delicious —the apple masterpiece—exquisite flavor —makes top record profits for growers. Hardy, thrifty tree—fruit large, brilliant, waxy red—a wonderful keeper. Free Year Book tells all about Stark Delicious.

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Stark Bros. Nurseries and Orchards Co., Box 68, Louisiana, Mo.

6 Beautiful Narcissus Silver Tablespoons FREE

To Match Our Teaspoons

Extra Special 20-Day Offer To Mail and Breeze Readers!

Here is a chance for every housewife who reads the Mail and Breeze to secure absolutely free a set of 6 of our famous Narcissus Silver Plated Table Spoons. During the past 5 years we have given away thousands of sets of these beautiful table spoons, but never before have we been in a position to make such an attractive offer as we are now making to the women folks who read the Mail and Breeze.

Owing to our large purchases we have secured a price on these spoons which we believe is about one-fourth the price any local dealer would ask for the same grade of goods.

We have searched through the silver plate markets of the world and have never been able to find, at anything near the same cost, goods of such remarkable wearing qualities and of such beautiful design as this justly famous Narcissus set.

Full Standard Length and Weight

These are not small sized dessert spoons which are usually offered as premiums. These spoons are all full standard table spoon size, 8¼ inches long—handle 5¼ inches long, bowl 3 inches long and 1¼ inches wide. They are silver plated and handsomely engraved and embossed in the beautiful Narcissus design, same as the Narcissus teaspoons which we have been giving away for more than two years. Bowl is highly polished and the handle finished in the popular French gray style. The Narcissus design extends the full length of the handle on both sides.

The gray finish of the handle contrasts with the bright polished bowl and produces an effect that is decidedly pleasing.

We could send you hundreds of enthusiastic letters from those of our readers who have received these spoons on other offers we have made in the past. We know they will please you, too—and if they don't you can send them back within 5 days and we will cheerfully refund every penny of your money.

Here Is Our Offer:

For the next 20 days, or as long as our supply lasts, we will give one set of 6 Narcissus Table Spoons free and postpaid to all who fill out the coupon printed below and send \$2 to pay for a three-year new, renewal or extension subscription to Farmers Mail and Breeze.

We will send one set free and postpaid for three one-year subscriptions to the Mail and Breeze at our regular rate of \$1 per year. One of these subscriptions may be your own renewal, but the other two must be new subscriptions.

If you want to be sure of securing one of these beautiful sets before our offer is withdrawn clip out the coupon and send it in today. Address

FARMERS MAIL AND BREEZE, TOPEKA, KANSAS.

Use This Coupon Now!

Publisher Mail and Breeze, Topeka, Kansas.

I am enclosing herewith \$2 to pay in advance for a three-year subscription to Farmers Mail and Breeze. You are to send me as a free premium, postpaid, one set of 6 full size Narcissus Silver Plated Table Spoons.

This is a (new) (renewal) (extension) subscription.

Name.....

Address.....

(If you send 3 one-year subscriptions use a separate sheet of paper for the 3 names.)

Signs of a Beef Shortage

Quality, the Big Market Factor—Hogs Have Dropped Below \$8 But Sheep Are Going Up—Not Much Life in Grain—Other Market News

BY C. W. METSKER

Market Editor of The Farmers Mail and Breeze

PRESENT conditions in the markets indicate a beef shortage for approaching months. The price range is widening in both directions. Choice beef cattle are scarce and on the advance, common kinds plentiful and though still relatively high for this season, are lower than in preceding weeks.

The cattle market is hung on the quality peg and not a very high peg at that. It is the disposition of those who have cattle to sort out the inferior ones and market them, and hold the good ones. There are still others who have bunches that grade low throughout, and have small feeding possibilities, that are marketed. As a sample, one Kansas marketed last week a bunch of 3-year-old steers that included a mixture of "knot-heads," Jerseys and lumpy jaws, that he declared had been on full feed at \$6.50. Such a feeder should get a low price.

This liquidation indicates that a scarcity is at hand and that the cleanup of 1913 and adjustment for 1914 is going on. It is the tail end of the season, with reconstruction being made, not for 1914 feeding, but for 1914 breeding.

Yearlings at a Premium.

Fed yearling steers are selling at a premium over heavy steers, and in that particular the market is the reverse of a year ago. Killers offer no plausible explanation of this condition except that light cuts of beef are wanted. In Chicago three-fourths of the steers that sold for more than \$9 were in the yearling class, and the top of \$9.70 and \$9.75, in both St. Louis and Chicago, was for yearlings. Other markets showed tops on yearlings of \$9 to \$9.50. Heavy steers have been deficient in finish, and later as better quality shows up, especially around International show time in Chicago, when holiday beef is being bought, heavy grades will show better selling powers.

Good grass fat steers are scarce, and they are due for a general advance. Colorado, Montana, Wyoming and the Dakotas, together with the British Northwest have about finished marketing their plain grassers and the run will be checked for hay feeding, or for holding through for next summer's grass. More than 600 carloads of cattle have been shipped out of the Placerville, Colo., district alone, and that has put that locality on the scarcity list. In the sugar beet district cattle are being turned to tops and sugar beet pulp. Texas is depending on stlage and cottonseed products for considerable beef-making this winter.

Slump in Stock Cattle.

Demand for stockers and feeders fell off materially last week and prices fell 50 cents to \$1 under the high level of the preceding week. In some instances thin cattle sold at the lowest levels of the season and were therefore considered a good buy. Last week's drop in prices is expected to curtail future shipments materially and market prices will not remain at the present low level long, because country prices are relatively higher. Some good feeders were bought as low as \$6.75, and stockers as low as \$5.75. Some of the flashy high quality stock calves sold at \$8 to \$8.50. Good to choice stock cows and heifers maintained a firm tone in the face of declines on other stock cattle.

Hogs Below Eight Dollars.

While Chicago and St. Louis still maintained tops in the hog market as high as \$3.25 late last week, packers' droves were under \$8, and at Missouri markets tops were under \$8. All quotations are practically under \$8. Only sorts and fancy mixed weights are attracting better bids. This brings the market to the lowest level since early last February, and \$1.30 to \$1.50 under the high time in September. At the present decline the market shows no special weakness, and many believe that packers have about wound up their bear campaign. The assertion that they will open the packing season at \$7.50 or less has only a few days to be realized, but the fact that country prices are already under \$7.50 has checked the movement. November and December are usually months of liberal supplies, and this year will prove no exception, as the corn market is too high for large feeding operations. Packers' needs will be large as scarcity is foreshadowed in later months.

Sheep Prices Higher.

Diminishing receipts—evidence that the big Northwest movement of sheep is on the last lap of the season, put new life into the market last week. After mid-week prices for lambs were quoted up 50 cents and sheep 25 cents. At that advance offerings sold more readily than when prices were around the low levels. There is plenty of demand, both from killers and country buyers. Dressed meat men expect high prices during the winter, as fewer thin sheep have gone to feed lots than in several seasons past. Feeding will be principally with the old, experienced crowd, and on that account, quality of offerings during the winter season will be good, and the market less liable to be subjected to unequal

supplies. As soon as the movement of grass fat sheep subsides prices are expected to go above the 8-cent level on lambs, and up to \$6 and better on sheep.

The Movement in 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 | 71,775 | 50,575 | 78,250 |
| Chicago | 51,100 | 131,000 | 186,000 |
| Omaha | 28,200 | 24,700 | 96,000 |
| St. Louis | 28,300 | 42,000 | 11,900 |
| St. Joseph | 10,100 | 30,600 | 24,100 |

Total 189,475 278,875 396,250
Preceding week 175,200 267,900 417,000
Year ago 224,900 292,600 414,900

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

| | 1913 | 1912 | Inc. | Dec. |
|---------|-----------|-----------|--------|--------|
| Cattle | 887,098 | 885,635 | 1,463 | |
| Hogs | 2,027,573 | 1,983,011 | 44,562 | |
| Sheep | 796,461 | 876,287 | | 79,826 |
| H. & M. | 117,235 | 135,080 | | 17,768 |
| Cars | 62,817 | 63,449 | | 632 |

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

| | 1913 | 1912 | Inc. | Dec. |
|---------|-----------|-----------|---------|---------|
| Cattle | 1,740,605 | 1,528,057 | 212,548 | |
| Calves | 145,465 | 158,518 | | 13,053 |
| Hogs | 2,012,844 | 1,980,826 | 32,018 | |
| Sheep | 1,729,445 | 1,821,219 | | 100,774 |
| H. & M. | 65,973 | 61,990 | | 3,983 |
| Cars | 103,836 | 97,410 | | 6,426 |

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

| | 1913 | 1912 | Inc. | Dec. |
|---------|-----------|-----------|------|---------|
| Cattle | 367,084 | 395,652 | | 28,568 |
| Hogs | 1,395,915 | 1,614,677 | | 218,762 |
| Sheep | 623,943 | 630,658 | | 52,285 |
| H. & M. | 25,787 | 34,380 | | 8,593 |
| Cars | 37,264 | 40,407 | | 3,143 |

The following table shows receipts of cattle, hogs and sheep at the five western markets, Monday, October 27, together with totals a week ago and a year ago:

| | Cattle | Hogs | Sheep |
|-------------|--------|--------|--------|
| Kansas City | 23,000 | 7,000 | 16,000 |
| Chicago | 34,000 | 35,000 | 66,000 |
| Omaha | 6,300 | 3,200 | 37,000 |
| St. Louis | 12,000 | 9,000 | 5,500 |
| St. Joseph | 3,000 | 4,000 | 4,000 |

Totals 78,800 58,200 128,500
A week ago 63,800 62,800 111,500
A year ago 79,100 62,900 135,200

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

| | Cattle | Hogs | Sheep |
|--------------|----------------|---------------|---------------|
| Per 100 lbs. | 1913 1912 | 1913 1912 | 1913 1912 |
| Chicago | \$9.70 \$10.30 | \$8.35 \$9.15 | \$5.85 \$5.85 |
| Kan. City | 9.40 10.00 | 7.95 8.80 | 5.50 5.50 |

Continued Strength in Horses.

Demand from the East and South has kept the market for horses and mules active at firm prices. The East has had considerable trouble in filling its orders, owing to the scarcity of chunks and drafters, but the supply was fairly well suited to southern requirements. Receipts have been moderate. Feeders are beginning to buy thin grades for winter feeding and the out-of-condition horses and mules are selling better than at any previous time this year.

Grain Trade Dragg.

While grain prices are somewhat higher than the recent low point more than 10 days ago, the market is dragg and there is only a limited movement in any direction. Wheat prices rallied 2 to 3 cents a bushel but were unable to maintain all the advance. Receipts have fallen off materially in the Northwest but elevators at primary markets show supplies to full capacity and mill trade is dull. There is no export demand from the United States and Canadian shipments are small, considering the supply and prices.

Traders do not anticipate any material improvement in prices in the next few weeks. Corn prices gained more than 2 cents early last week, but later weakened again. New corn is becoming an important supply factor, and as that movement

increases many believe prices will go still lower. Argentine has made some shipments to this country and more corn is reported on the way. Oat prices advanced and fell back again, following closely the market on other grains.

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 |
|-----------|------------------|---------------|---------------|
| Chicago | 95 1/2c 1.08 | 74 1/2 65 1/2 | 42 1/2 34 1/2 |
| Kan. City | 90 1/2c 1.06 1/2 | 73 66 | 45 34 1/2 |

Low Grade Hay Declines.

Prices for low grade hay were quoted off 50 cents a ton last week, but demand on top kinds was active at unchanged prices. While receipts continue, moderate demand is much smaller than was expected. Prices now are none too high, considering the available crop, but dealers believe they will advance after the first of the year.

Kansas City Hay Quotations.

| | |
|----------------------|---------------|
| Prairie, choice | \$17.00@17.50 |
| Prairie, No. 1 | 15.50@16.50 |
| Prairie, No. 2 | 13.00@15.00 |
| Prairie, No. 3 | 7.50@12.50 |
| Timothy, choice | 17.00@17.50 |
| Timothy, No. 1 | 16.00@16.50 |
| Timothy, No. 2 | 14.00@15.50 |
| Timothy, No. 3 | 11.50@13.50 |
| Clover mixed, choice | 16.00 |
| Clover mixed, No. 1 | 15.00@15.50 |
| Clover mixed, No. 2 | 14.25@14.75 |
| Clover, choice | 14.00@14.50 |
| Clover, No. 1 | 13.00@13.50 |
| Alfalfa, fancy | 18.50@19.00 |
| Alfalfa, choice | 17.50@18.00 |
| Alfalfa, No. 1 | 16.00@17.00 |
| Standard | 14.75@15.50 |
| Alfalfa, No. 2 | 13.50@14.25 |
| Alfalfa, No. 3 | 11.00@13.00 |
| Straw | 5.00@5.50 |

Seed and Feed Prices.

Seed—Alfalfa, \$7.50@9 a hundred; clover, \$8.50@10; flaxseed, \$1.14 a bushel; timothy, \$1.75 @ \$2.50 a bushel; cane seed, \$1.75 @ 2.25 a hundred; millet \$1.50@1.90; kafir No. 2, \$1.51@1.52, No. 3, \$1.49@1.50.
Feed—Barley, 58@60c; bran, 55@57c; shorts, \$1.13@1.20; rye, No. 2, 62c; corn chop, \$1.38.

Broom Corn Trade Hesitating.

With weather in the Southwest preventing any considerable movement of broom corn, the trade has been dull. Considerable damaged corn, mostly from rains, sold at \$5 to \$8 a ton, and little dry corn was offered. Sales out of warehouses were reported at \$10 to \$14 a ton, or lower than the same kind of brush would have brought a week ago. The outside quotation for choice corn seems to be \$150, with good corn selling at \$100 up.

Butter, Eggs and Poultry.

Elgin, Oct. 27.—Butter this week is firm at 30 1/2 cents.
Kansas City, Oct. 27.—Prices this week on produce are:
Eggs—Firsts, new white wood cases included, 28 1/2c a dozen; seconds, 18 1/2c.
Butter—Creamery, 28 1/2c a pound; firsts, 26 1/2c; seconds, 25c; packing stock, 21c.
Live Poultry—Broilers, 15c a pound; spring chickens, 12c; hens, No. 1, 11 1/2@12c; No. 2, 8 1/2c; young roosters, 10c; young turkeys and turkey hens, 15c; young ducks, 12 1/2c; geese, 9c.

Produce Prices Now and One Year Ago.

| | Butter | Eggs | Hens |
|-----------|-----------|-----------|-----------|
| | 1913 1912 | 1913 1912 | 1913 1912 |
| Chicago | 30 1/2 29 | 29 24 | 13 12 |
| Kan. City | 28 1/2 29 | 28 1/2 24 | 12 11 1/2 |

Dr. C. G. Hopkins Goes South

Dr. Cyril G. Hopkins, known the country over as "The Soil Builder", has accepted the appointment of director of agriculture of the Southern Settlement and Development organization, with headquarters in the Continental Building, Baltimore, Maryland. He will take charge November 1. Doctor Hopkins is professor of agronomy and agricultural chemistry in the College of Agriculture of the University of Illinois. He has been granted a year's leave of absence by the faculty and board of trustees of the university to organize this new work. He is regarded as one of the greatest soil specialists. The farmers of Illinois call him "the farmers' money maker" because the practical results of his laboratory experiments and many

discoveries have made numbers of farms with poor and wornout soils productive, and have shown the owners of fertile farms how to keep the fertility and increase crop production.

His two books, "The Story of the Soil" and "Soil Fertility and Permanent Agriculture" are standard works on soil analysis, soil conservation, and the rebuilding of soils. They were written for non-scientific men. The book "Soil Fertility and Permanent Agriculture" is recognized as the greatest work of its kind ever printed. Farmers who are prone to look on "book farming" as impracticable will be interested to know that Doctor Hopkins bought a farm in southern Illinois in that section of the Prairie state known as "Egypt", which had been abandoned for five years. It was worth about \$10 an acre, and was covered with a scant growth of red sorrel, poverty grass and weeds. It was called by the neighbors "The Poor Land Farm" and was about as run-down a proposition as a man ever tackled.

Putting into practice his own teachings, building up the "down-and-out" soil as he taught his students how to treat anemic soils, using the knowledge which he dug from laboratories and from experimental farms, he raised this poor, depleted, worn-out farm from its former low estate up to a productive value where it is today paying five percent on a valuation of \$300 an acre. "Poor Land Farm"—it still bears that name—is famed the country over, although it is a strictly private enterprise operated by Doctor Hopkins and his brother, and is in no sense an experimental station or show farm. Doctor Hopkins is a dispassionate and unprejudiced writer and speaker, and rarely gives an opinion not in the form of a statement of fact.

He was born near Chatfield, Minn., in 1866, and was graduated from the South Dakota College of Agriculture in 1890. He was awarded the degree of M. S. by Cornell University, New York, in 1894, and took the degree of doctor of philosophy in 1898, and then studied agricultural chemistry during the succeeding two years at Gottingen, Germany. Doctor Hopkins was for some time professor of chemistry at the South Dakota Agricultural college, but has been professor of agriculture of the University of Illinois since 1890.

Even a henpecked husband looks happier than a world-battered old bachelor.

Who Pays?

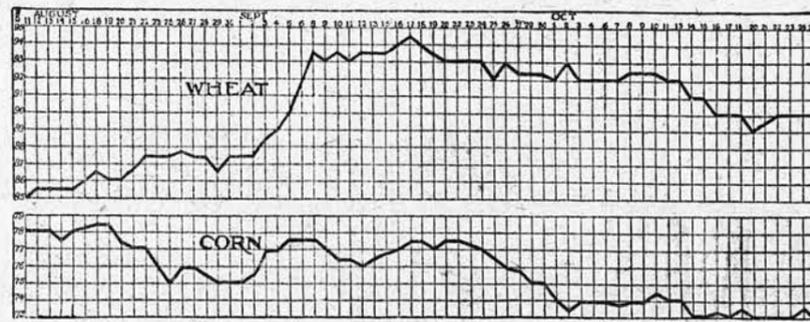
Who pays for the advertising? Is it the manufacturer? At the outset, yes. He makes a large investment in advertising expense, banking on future returns. This serves as a guaranty bond to the public, that he is offering them something really good, and he counts on getting in return their confidence and good will and patronage.

If he falls down, the loss falls most heavily on him. He has the most at stake. Mere claims not backed by fact will not serve. Exaggeration will only breed disappointment that will turn and rend him. It may get him one sale to a customer. But he must have continued, come-again consumers to make his advertising pay. The advertising will simply let them know—start them his way. He must have quality to keep them coming.

But with quality and advertising he is sure to succeed, because what one wins the other holds, and he has an ever-increasing volume of business.

What he spends in advertising he saves in the lessening expenditures of effort in other ways required to make his goods move out of his factory. His expenses are that much greater, but the volume of his sales is so much in excess—his turn-over of capital so much more rapid—that he can sell at the same price as if he were not advertising, and still make more money.

No, the advertiser of reliable brands does not pay for the advertising. For him, it pays for itself, and more.



This chart shows the daily fluctuations of the Kansas City wheat and corn markets for the eleven weeks preceding this one. Cash prices on the best grade of each grain were considered in making out the chart.

Still Offering the Feed

Letters continue to arrive offering feed or other produce for sale. The Farmer Mail and Breeze will print for the present any letters that may serve those needing such help.

His Mail Increased.

About seven weeks ago I wrote Mr. Hatch, that farmers in the neighborhood in which I live would have some grain to sell and that we could go together and make carlot shipments if a few Kansas farmers would get together and buy in carlots thereby cutting out the middlemen. I did not intend my letter for publication as that was before the Mail and Breeze offered to get the feed and stock together.

Mr. Hatch gave my letter to the Mail and Breeze for publication and I now have almost a hundred letters of inquiry for about 200 cars of grain. You see I have an elephant on my hands.

I have answered all who sent stamps and some who did not, and will try to answer all others through the Mail and Breeze. The best suggestion I can make to those who did not get a personal reply, and to all others, is to do as many Kansas men are doing, get together and send a man to buy what you want on the track or you can write the Farmers' Elevator, El Reno, Okla., for prices on track. This elevator was a farmers union elevator until this fall but is now an individual concern. It paid 65 cents for corn today, most of it grading No. 3. Corn is off a little now. It will take two weeks of good weather to finish threshing and then we will shell. The elevators have been shelling this corn for the last 30 days, as fast as it came in.

Kafir, milo and feterita will all be damaged some by reason of too much rain. No old corn or oats for sale. Oats crop very light this year around El Reno but the elevators might furnish some. The following towns on the C. R. I. & P. Ry. are good ones to buy grain in: El Reno, Calumet, Banner, Yukon, Union City and Minco. Okarcho and El Reno on the Fort Smith & Western. I trust all those who wrote will read this, and sorry I cannot supply all with what they need. It seems to me that the Mail and Breeze has taught a fine lesson in co-operation. C. K. LORD.
El Reno, Okla.

Ear Corn for Sale.

Mr. Editor—My wife had the foresight to subscribe for the Mail and Breeze and it has become a favorite with me. I have 40 acres of heavy ear corn for sale. What will feeders offer delivered on car at Verden, Okla.? Also some pure, re-cleaned feterita f. o. b. at this place at \$4 a hundred.
Verden, Okla. J. C. CLEMONS.

Wheat Pasture.

Mr. Editor—Have 350 acres of fine wheat pasture, plenty of straw, kafir with seed on it, sheds and water. Would like to get 30 or 40 head of horses or mules to winter.
LLOYD E. ALDERMAN.
Cimarron, Kan., Lock Box 15.

Corn Fodder and Kafir.

Mr. Editor—I have 95 acres of corn fodder and 20 acres of kafir for sale; shed and water on the place for 30 or 40 young cattle.
Westphalia, Kan. A. H. NELSON.

Fodder and Corn.

Mr. Editor—I have 75 acres of corn and fodder and kafir in the shock. Can furnish gravel lot and good water. About 300 acres of feed near here and plenty of alfalfa.
R. 1, Fall River, Kan. E. ELLIOTT.

All Kinds of Feed.

Mr. Editor—I have 250 acres of kafir, milo, cane and corn fodder. Also straw, wheat pasture, grass and range of over 400 acres. I can keep a carload of cattle through the worst winter that ever hit Kansas. I will not take more cattle than I can best care for. A neighbor will also take one car. We have been unable to find cattle. We need them and if you need the feed let us hear from you at once.
Pierceville, Kan. IRA N. PIERCE.

He Needs Cattle.

Mr. Editor—I need about 50 head of cattle or horses to winter. Have lots of feed, water and shelter, also fine grass.
R. 1, Brewster, Kan. W. C. BROWN.

Feed for 200 Cattle.

Mr. Editor—I can furnish feed for 200 cattle, feed is cane, kafir and corn fodder, bound and shocked. I have the privilege of

feeding in good pasture, with running water. I also have 400 acres of wheat pasture, which I would use when the weather was favorable. This is 12 miles south of Bucklin.
FRANK BLOOR.
Bucklin, Kan., Box 95.

Corn 75 Cents.

Mr. Editor—I can load a car of corn f. o. b. Tuttle for 75 cents a bushel; also have baled hay and straw for sale.
LLOYD ELLEDGE.
R. 1, Tuttle, Okla.

It's Lockridge, Oklahoma.

Mr. Editor—A letter I sent you some time ago which appeared in the Mail and Breeze of Oct. 18, read Lockridge, Kan., and should Lockridge, Okla. F. E. FEARING.
have read Lockridge, Okla.

Kafir Fodder for Sale.

Mr. Editor—I have 100 tons of extra good kafir fodder, cut with header, I will bale and put on track at Knowles, Okla., (Wichita Falls and Northwestern R. R.) at \$10 a ton.
L. J. FRY.
Knowles, Okla.

Kafir and Feterita for Sale.

Mr. Editor—I have about 40 tons of kafir hay; about 80 tons of cane hay, also feterita for sale. Could handle about 50 head of cattle.
L. A. CARTER.
Montezuma, Kan.

Silage But No Cattle.

Mr. Editor—I have 200 tons of silage I wish to sell as I have no cattle. I will furnish feed, lot, water and a man to feed the cattle.
K. S. BALLARD.
Tescott, Kan.

The First Alfalfa Seed Union

The Mail and Breeze has received a circular letter from C. N. Constable, secretary of the Western Alfalfa Seed-Growers' association, Atwood, Kan., which speaks for itself:

Out in Rawlins county, Kansas, there is a big crop of alfalfa seed this year—the best quality ever. Seed houses are bearing down on prices and the farmers won't stand for it. It costs a lot of money to raise and handle alfalfa seed and they don't propose to sell at or below cost to a middleman.

So the Rawlins county seed raisers got together the other day and organized "The Western Alfalfa Seed Growers' association," a union, the first alfalfa seed union ever organized to cut out middlemen and help the producer sell his alfalfa seed direct to the user, thus getting a better price for the seed at the same time letting the buyer have it cheaper than he could get it from a seed house. It is a good plan but needs co-operation with other alfalfa territory and it is the desire of the "Western Alfalfa Seed Growers' association" to get in communication with everyone interested. Better prices for this important product means more money at home.

For full information write to the secretary of the Western Alfalfa Seed Growers' association, Atwood, Kan. Co-operation is the only salvation for the farmer. Then let's have it.

Remember the Time?

Mr. Editor—I don't know whether you would call this experience in my life funny or not, but I have often thought of it.

Several years ago while fixing fence I laid my hammer on the side step of the wagonbox, and in going to the house lost it in the middle of the pasture. I, of course, said more or less about my bad luck in losing a good hammer. Some time later that summer as I was bringing one of our cows to the barn, my wife and two little boys came to meet me. The cow was one of our gentle milk cows and we thought a great deal of her. All at once she went wild; attacked my wife, knocking her down, and—well there is no telling what that cow might not have done if I hadn't found that hammer lying at my feet.
Elk City, Kan. A. G. Myers.

How It Worked in Nebraska

"THE avowed purpose of placing the control of Nebraska's normal schools in the hands of the governor-appointed board was to keep these educational institutions out of politics," said the Omaha Bee of October 22. "Instead of accomplishing that object, however, the result has been to keep them almost continuously in the turmoil of politics or embroiled in personal contention.

"It seems to us the reason is not hard to find, being the persistent loading down of the board with professional politicians and persons with pets to promote or grievances to pursue. It is sometimes urged that we get men of higher caliber in such places by appointment than we do by election, but we regret to have to say that our experience with the state educational board constituted by appointment by the governor does not bear out that view, compared, for example, with the elective regents in charge of the state university.

"Having embarked so extensively in normal training—we do not know of another state of our population that maintains as many normal schools as Nebraska does now—it behooves us to make sure they are run on an economic and businesslike basis. This can be brought about only by having men in charge not only equal to the task, but also unselfishly animated by a mind single to their best interests."

28,000 Perplexed Women Who Keep House and Wanted Something New and Different

For the table, a new recipe, a new way of doing something, a quicker way to wash, iron or clean; new menus. These women wrote to us and each one was quickly and fully answered by mail in a personal and direct way.

Thousands of women wanted to know how to buy or cook or serve more economically: how to meet the high prices of food: how to feed their men folks or their children—in short, all the problems of the housewife.

Naturally, this is a strong and leading department in the work of a magazine like *The Ladies' Home Journal*, and there has been perfected back of the magazine one of the most effective domestic-economy services possible, with two expert household authorities as editors. And these stand ready to smooth all perplexities of the housewife who doesn't know or who has become weary and wants something new or different: a new impulse: a new idea: a thought: a help. What housewife doesn't, after keeping house for years?

And the help is given quickly by mail: direct, personal and fully. And nothing is charged for it to any reader of *The Ladies' Home Journal*. A booklet, entitled "The Story of 600,000 Invisible Hands," tells something about this service. A postcard request will bring a copy.

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LANDS.

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LANDS.

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20 ACRE truck and chicken farm, 3 miles from Coffeyville, Kan., of 20,000 population, fine market. Fine sandy loam, all in cult. no waste, fine for truck of all kinds. Fruit trees and grapes, fenced and cross fenced. Good 3 room 1 1/2 story house, barn, granary and sheds. Gas for fuel. Price \$1,900, terms on part. Also 2 a. adjoining at a bargain. No trades. Bowman Realty Company, Coffeyville, Kansas.

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FARMS WANTED. We have direct buyers. Don't pay commissions. Write describing property, naming lowest price. We help buyers locate desirable property free. American Investment Association, 28 Palace Bldg., Minneapolis, Minn.

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DOGS—White Spitz beauties, Sunnyside Farm, Havensville, Kan.

SCOTCH COLLIES—Females for sale. J. C. Starr, Vinita, Oklahoma.

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WANTED TO BUY—200 bushels alfalfa seed. Ernest Rusck, Norfolk, Neb.

BEST ALFALFA seed, guaranteed pure, \$7 per bushel. John Ryman, Dunlap, Kan.

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TREES at wholesale prices. Fruit Book free. Address Wichita Nursery, Box B, Wichita, Kan.

ALFALFA SEED 98% good. Write for samples and price. Jake Bomesberger, Americus, Kan.

ALFALFA SEED. Finest quality, fresh seed. Write for samples and price. D. Badger, Eureka, Kan.

FETERITA. Pure, clean seed, 20 pounds \$1.00; 50 pounds \$2.00; 100 pounds \$3.50. Charlie Clemmons, Anadarko, Okla.

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FOR SALE or trade. Gallery. A photographic in Topeka, Kansas. Has shown net profit of \$1,800 to \$2,400 per year for 16 years. An excellent opportunity. Information on request. Address Studio, Care Mail and Breeze.

A GOOD FARMER and livestock man wanted to introduce my magazine "Investing for Profit." It is worth \$10 a copy to anyone who has been getting poorer while the rich, richer. It demonstrates the real earning power of money, and shows how anyone, no matter how poor, can acquire riches. Investing for Profit is the only progressive financial journal published. It shows how \$100 grows to \$2,300. Write now and I'll send it six months free. H. L. Barber, 425, 28 W. Jackson Blvd., Chicago.

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PATENTS.

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PATENT WHAT YOU INVENT. It may be valuable. Write me. No attorney's fee until patent is allowed. Estab. 1882. "Inventor's Guide" free. Franklin H. Hough, 532 Loan & Trust Bldg., Washington, D. C.

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DAMAGED barley and oats, kiln dried and good feed, for sale in car-lots. Send for information as to what the best feeders think of it. Bargains for quick buyers. Samples on application. This will solve your feed problem. Also screenings for sheep men. C. E. Dingwall Co., Milwaukee, Wis.

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TYPEWRITERS, all makes, all prices, guaranteed same as new. Will ship for trial. Crane & Company, Topeka, Kan. "45 years in business." Ask for Catalog "B."

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WILL PAY reliable woman \$250.00 for distributing 2000 free packages Perfumed Soap Powder in your town. No money required. M. B. Ward & Co., 218 Institute Pl., Chicago.

WANTED: Men and women for government positions. Examinations soon. I conducted government examinations. Trial examination free. Write, Ozment, 38, St. Louis, Mo.

THERE ARE HUNDREDS of ways by which women can earn pin-money. Write to the "Workers Club" of Hammon, New Jersey, enclosing 25 cents, for their wonderfully helpful book containing some three hundred practical suggestions for earning money at home.

MEN AND WOMEN over 18 wanted for U. S. government positions. \$65 to \$150 month. Thousands of appointments this year. "Pull" unnecessary. Farmers eligible. Common education sufficient. Write for free book of positions open to you. Franklin Institute, Dept W 53, Rochester, N. Y.

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GOVERNMENT FARMERS wanted. Make \$125 monthly. Free living quarters. Write Ozment, 38F, St. Louis, Mo.

GET A GOVERNMENT JOB. List of positions obtainable—free. Write Franklin Institute, Dept W 53, Rochester, N. Y.

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MEN for motormen and conductors; excellent opportunity; new electric roads; \$70 to \$90 monthly; experience unnecessary; no strikes. Ferard, care Mail and Breeze.

MANAGER WANTED—Must be a live wire with interest towards dairy stock and one who is able to interest himself financially. Give references. The Springdale Stock Ranch, Concordia, Kan.

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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.

AGENTS WANTED.

AGENTS—Novelty knives and razors are lightning sellers. 100% profit. Exclusive territory. Goods guaranteed. Novelty Cutlery Co., 160 Bar St., Canton, Ohio.

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

AGENTS WANTED for full line fruit trees and shrubs. Work full or part time, as you prefer. Draw pay every week. We teach you. Outfit free. Lawrence Nurseries, Lawrence, Kan.

AGENTS write for full particulars of Dr. Blumer's Vegetable Soap, Extracts, Family Remedies, Household necessities, Laundry supplies. Over 100 Money getters on the money back plan. 25 years on the market. Lincoln Chemical Works, S. W. Office Tulsa, Okla., Dept. H.

MISCELLANEOUS.

POULTRY wanted. Coops loaned free, daily remittances. "The Cope's" Topeka, Kan.

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

HAIR SWITCHES 6 braids made from your combings. Write Mrs. Willie Breedlove, Florence, Ark.

POULTRY MAGAZINE—Big 40 to 50 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.

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 Write to any of the Topeka pastors or business men, or any state official, and ask them.
Geo. E. Dougherty, Pres.
 116-120 West Eighth St., Topeka, Kas.

Treat the Trees Kindly
Cultivation at the Right Time is Important

BY E. R. BENNETT

The young orchard should be cultivated from the time it is set out throughout the growing season so it will get the maximum growth in the early part of the season. Some of our growers become very enthusiastic and cultivate during the whole season, thus inducing a heavy late growth which is not in condition to withstand the cold of winter. A little study of the habits of tree plants will show that normally all trees make their growth during the early part of the season, that is April, May and June, and that growth stops in most places in July. This can readily be determined by examining the terminals of the year's growth, which should at this time show a terminal bud developed for the next year's growth, and the last leaf on the current year's growth should be as large as those earlier put out.

It is possible by cultivation to induce this terminal bud to make a second growth. This is detrimental to the tree and in some cases proves fatal, if the dormant season following happens to be severely cold. It is only essential that we cultivate to make plant food, and so long as plant food is available, there is a tendency for the plant to utilize this food in making growth, consequently in order to make sure that our tree is well ripened off, we should stop growth sufficiently early to give the tree time to mature its wood. Growers sometimes think that because a tree is not making growth during July and August, it makes little difference whether the foliage is there or not. We find, however, that while the plant is not making growth, there is activity going on within the plant tissues, and the plant food is being worked over and stored for the following year's growth or crop.

Plowing Deeply.

Where the character of the land will permit it is best to plow the young orchard deep. This will induce deep rooting of the trees. There is always a tendency for roots to grow where the larger part of the plant food is to be had, consequently the roots tend to enter the soil which the plow has turned up. Annual deep plowing of the soil will cut many of these roots, but will do no harm and will make the tree longer-lived than where shallow surface cultivation only is given for a term of years. Probably the best system of cultivation being followed at the present in our young orchards is that of continuous cultivation during the growing months of the spring, followed by the sowing of a cover crop of some legume, as red clover, crimson clover, cowpeas or vetch, at the time of the last cultivation.

This cover crop benefits the orchard in several ways. First, it stops the growth of the trees by appropriating the available plant food. Second, it covers the ground and prevents baking and sunburning during the hot summer and fall months, and third, it prevents the washing of the soil by rains during the fall. Fourth, it protects the soil during the winter and last, but most important of all, it makes a heavy mulch of vegetable matter to be turned under the following spring. Which of these crops should be used at any particular place can be determined only by actual experiment, for in some places one crop does best, in other places others are more desirable. Where none of the legumes can be used, even oats, wheat or rye may be sown the latter part of the season with profit. In this case, however, we should never leave the grain to come to maturity, as grain crops are seriously detrimental to the young orchard.

As to Market Crops.

Many growers prefer to utilize the ground between the trees for growing a market crop. This is not necessarily a pernicious practice. In fact, if properly handled, the growing of such crops as early potatoes, melons, beans, peas, etc., may be of benefit to the orchard. It is necessary, however, to bear in mind that all the cultivation given should be such as to improve the orchard and that no crop should be put in that will prevent the rapid growth of the trees in the early part of the season and the proper ripening of the wood in the latter part

of the season. In any case, it is best to leave a strip 4 or 5 feet on either side of the tree for clean cultivation.

When the orchard comes to a bearing age, the management can be somewhat changed. The bearing orchard should make its growth in the early part of the season, the same as the young orchard, but in this case, the fruit is from one quarter to one-half grown by the time the tree normally stops its growth in the middle of the summer, and there is no danger of inducing late growth by cultivation as the plant food that is made available by cultivation will be utilized by the growing fruit. We must ever bear in mind that the ultimate object of the tree is to produce seed, and that when there is fruit on the tree all the energies of that tree will be directed toward the maturity of that seed. Of course, the fruit is only incidental to the seed from Nature's standpoint, but in order to produce the seed, fruit tissue is developed at the same time.

In Using Clover.

Where there is sufficient rainfall or where irrigation is practiced, it is oftentimes desirable to keep the orchard in clover or other sod the larger part of the time. Where sodding the orchard is practiced, the ground should be plowed and reseeded at least once in three or four years. Otherwise, the ground will become too compact at the surface, and there will be too great a tendency for the roots to come close to the surface. The effect of leaving the orchard in clover or other sod for a series of years is usually to reduce the size of the fruit to some extent, but to give better color. Some of our most successful orchardists are using this method of allowing clover to grow in the orchards. The clover should be cut before coming to maturity and the material should be left on the ground where it falls. This will establish a mulch, prevent drying out and offset the bad effects which result where the growth is cut and taken out of the orchard for hay. Fortunately, with modern methods of spraying, there is more or less danger of poisoning stock from this hay, consequently there is less temptation to cut the crop for that purpose.

Where orchards are planted on very steep land, it is sometimes unwise to plow all the ground, even when cultivation is thought most desirable. In these cases, it might be desirable to set the orchard on a contour of the hills, with little regard to direction, so that cultivation may be given in strips between the rows of trees, leaving a space in sod to prevent washing. In general, the management of an orchard must be determined largely by the particular conditions prevailing on the individual place, for no set rule can be given that will apply to all conditions.

Wheat Acreage Is Larger.

Cliff J. Ryker of Hutchinson has returned from an extended automobile trip through the wheat belt including Sumner, Harper, Barber, Comanche, Clark, Kiowa and Pratt counties in the trip. He estimates that fully 25 per cent more than the average wheat acreage is being put in through these counties.

ARTHUR CAPPER'S STORY OF THE PANAMA CANAL.

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Before you rent a farm, write to me, for I want to tell you of a chance to do so well on a rented farm, that before long you can own a farm of your own.

I am the C. B. & Q. Railroad Man whose business it is to help you get better fixed than you are now, and I can tell you some things about farming and renting farms that will sound mighty interesting.

Do you want to better yourself? That is the question. If yes, write me today and I think I can tell you how to do it. D. Clem Deaver, Room 376 Q. Bldg., Omaha, Neb.

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The Helvetia Milk Condensing Company, who make the "Pet" brand, are erecting a modern milk condensing plant there to take care of the milk of eight thousand cows. The factory will be ready by February, 1914. Lamar is the center of a vast irrigated district in the Arkansas Valley. Alfalfa, sugar beets, wheat, oats, kafir corn and speltz are grown in large quantities. Now is the time to locate there with a herd of Holstein cows. Alfalfa lands can be purchased in any size tracts at reasonable terms. A great opportunity for practical dairy men. If interested, write to THE LAMAR COMMERCIAL CLUB.

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This Farmers' Cattle Knife is a beauty. It has one large scimitar, one spaying and one congress blade; Extra quality steel, double German Silver bolster and shield, brass lined, stag handle. This beautiful useful knife will be sent you FREE, postpaid, for securing only four 2-months subscriptions to the Mail and Breeze at the regular rate of 25 cents or we will send you our paper one year for \$1.10 and the knife free as premium. We guarantee the knife and will return your money if you are not satisfied. We know you will like it as we have given away hundreds and have never had a complaint. This illustration is one-half actual size. Write today. MAIL AND BREEZE Topeka, Kansas

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Dealers whose ads appear in this paper are thoroughly reliable and bargains worthy of consideration.

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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 for list of Southwest Missouri farms. Noel Realty Company, Noel, Mo.

CATHOLIC homes in city; also 20, 80, 160 and 240 a. farms. T. J. Ryan, St. Marys, Kan.

IF you want a good farm try Bourbon Co. Stiers and Kent, Uniontown, Kansas.

WE WANT, direct from owners, land listed for sale. Chaney & Company, Topeka, Kan.

MORTON CO. special. Improved quarter all tillable near town. \$8.00 per acre. Luther & Company, Rolla, Kan.

LAND in Stevens county, Kansas, on Colmer cut off. Write for prices. John A. Firmin, Hugoton, Kansas.

1,760 ACRES fine level land. No better investment in Kansas. \$9.50 acre. 35 ml. Dodge City. Haines Realty Co., Hutchinson, Kan.

COFFEY COUNTY, EASTERN KANSAS. Good alfalfa, corn, wheat and tame grass lands. List free. Lane & Kent, Burlington, Ks.

GOOD 80 acres of nice smooth valley land all in wheat. Price \$4,000. Write for complete description. Box 278, Independence, Kan.

CALL on farmer's agent for land bargains. Spring and well water. Descriptions given. Terms. Col. G. W. Mitchell, Anderson, Mo.

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.

160 A. 3 ml. out; elegant impr. No waste. Price \$8,000. Terms, clear. 80 a. 5 ml. out, good impr., no waste. Price \$4,300. Terms, no trades. John A. Decker, Valley Falls, Kan.

SMOOTH quarter at \$100.00 per a. Close to school and church. 280 a. joining town at a bargain. Good terms on both. Brown Co., Kan. Walter Hanson, Sabetha, Kansas.

I CAN SELL you the finest farms, not to be excelled anywhere, for the price. For alfalfa and grain farms. Stock raising. Descriptions and prices on request. Cash and good terms. H. H. Stewart, Wellington, Kan.

HOG FARM FOR SALE: 185 a., 40 a. alfalfa, 10 a. sweet clover, 40 a. timber pasture and 45 a. farmed. Improved. All hog fence; everything fixed to raise hogs. \$75 per a. Address Box 1, Route 2, Altoona, Kansas.

214 ACRES improved, 4 miles out, \$55 per acre, \$2,000 cash, bal. long time. R. M. McGinnis, Princeton, Kan.

480 A. improved, \$25 a. 2 1/2 ml. Scott City. Brightest future of any town in W. Kansas. Come and see this bargain or write E. E. Coffin, Scott City, Kan.

320 A., 70 a. under cultivation, good creek bottom alfalfa and corn land. Balance fine blue stem pasture and mow land. Good 5 room house, good barn, feed lots, abundance of water, springs, wells and running creek. Plenty timber for farm, 1/2 mile of school, R. F. D. and telephone. 5 miles of R. R. town. Price \$30.00 per acre. A. J. KLOTZ & CO., Cottonwood Falls, Ks.

DON'T MISS THIS 310 A. BARGAIN. Improved, splendid location, good alfalfa land. \$36 per a., if sold by Nov. 1st. Worth \$60.00. M. T. SPONG, Fredonia, Kansas.

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.

WANTED, 1,000 GOOD FARMS—wild or improved at bargains—in the Western States or Canada. Direct from owners only. State full particulars in first letter. FRED L. HARRIS, Globe Building, Minneapolis, Minn.

Northeastern Kansas Land for sale in the famous Bluegrass, Timothy, Clover and alfalfa district, \$50 to \$100 per a. COMPTON & ROYER, Valley Falls, Kan.

Sedgwick County Farm Bargains 280 acre farm, best of first bottom alfalfa land, improved; one mile of railroad town. \$50 per acre; make a dairy farm. 145 acre farm, all good land; good improvements; a great bargain \$8,500. Good terms. 80 acre Arkansas river bottom farm; alfalfa proposition; well improved, near Sedgwick. \$100 a.

H. E. Osburn

227 E. Douglas Ave., Wichita, Kan.

MONTANA

ALFALFA, peas, grains and fruit successfully raised. No crop failures. 640 a. or less, \$22 per acre. 1/2 cash, bal. four equal payments at 6%. Write owner O. V. Round, 503 Power Block, Helena, Montana.

Pay For Your Farm Out of Crops No Crop: No Payment

Our 175 farms to select from, 10% down; balance payable out of crops; land near Billings and Columbus, Mont. Noted for big crops; best markets; secure a farm now before all sold. MARSHALL-PETERS CO., 7th Floor Pioneer Bldg., St. Paul, Minn.

MONTANA

DAWSON county, near Glendive, choice farm lands, well grassed and watered, offered actual settlers at \$15 to \$25 acre, on easy terms. Fare refunded to all buyers. Hammond-Dodson Co., 412 Endicott Bldg., St. Paul, Minn.

OKLAHOMA

GOOD FARMS for sale; for particulars write to Harry E. Pray, Pawnee, Oklahoma.

830 ACRES best farm land in Eastern Oklahoma, must be sold in 60 days. W. P. McClellan, Claremore, Oklahoma.

STOCK ranch, 650 a. Springs, timber and grass; railroad 8 ml. Price \$6.50 a. White, Stanley & Thomason, Westville, Okla.

160 A. all in fine growing alfalfa; mile from town with electric lights, water works, good schools and two railroads. Price \$12,000. J. B. Cramer, Wichita, Kansas.

DELAWARE CO. ABSTRACT CO. Bonded Abstractors. Real estate and farm loans. Cowskin prairie farms, the cream of Oklahoma farm lands. Prices right. Grove, Okla.

FLORIDA prairie land; rich, level, dry; 10 a. tracts, for citrus fruits and winter gardening. Sacrifice sale. Johnson Realty Co., Tonkawa, Okla.

690 A. pasture land. 1/2 ml. R. R. town this county. Scattering timber but good grass, some open prairie. 100 a. tillable. \$4 per a. Write us about farm lands. Crops good here this year. Southern Realty Co., McAlester, Okla.

CADDO COUNTY WINS. First on agricultural products at State Fair. Write for information, corn and alfalfa lands. Baldwin & Gibbs Co., Anadarko, Ok.

EASTERN OKLAHOMA LAND. 200 a. of black limestone soil, 75 a. in cult. 75 a. in grass; 50 a. in pasture. All fenced and excellent good spring of water. A house and barn and other outbuildings, one ml. from small town; for quick sale will take \$6,500. EDWARD LEON, Siloam Spgs., Ark.

NEW MEXICO

40,000 ACRES on railroad \$4 per acre. 11,839 a. \$3.00. Floyd Land Company, 210 W. Gold Ave., Albuquerque, N. M.

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

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For Sale in Florida

Several very desirable tracts of land in Alachua county. Improved and unimproved from 20 to 90 acres in each, lying on a beautiful large lake near railroad. Special terms for quick sale. T. S. McMANUS, Waldo, Florida.

CANADA

COME to So. Alberta. Land of wheat, alfalfa, cattle. Good markets. Delightful climate. Have several special bargains. Weber Land Agency, Lethbridge, Alberta, Canada.

GEORGIA

SOUTHERN GEORGIA Stock raising, fruit growing, truck farming, corn, oats, hay, cotton. No floods, drouths nor cyclones. Improved and unimproved lands. Easy terms. Thompson & Company, Homeland, Georgia.

NEW YORK

WIDOW WILL SACRIFICE FOR IMMEDIATE SALE.

90 acres; 16 acres timber, balance under cultivation. 12 room house; plastered and papered and in good condition; large barn, hen house, wood house, tool shed. Apples, pears, plums, grapes. 1/2 miles to railroad town. \$1,700, part cash. HAL'S FARM AGENCY, Owego, Tioga Co., N. Y.



AUCTION SALE OF FARM, WEDNESDAY, NOVEMBER 12TH.

170 acres, 1 mile east of Kinsley, Kansas. New, six room house, acetylene light, telephone and rural route; barn 30 by 48; hog house 90 feet long and other outbuildings. 50 acres in cultivation, 15 acres of young catalpas; 25 acres alfalfa, bal. pasture land. 80 acres fenced hog tight. This is an extra good pasture and would make an ideal dairy farm, or a fine hold over for the horse and mule business. This is an absolutely bona fide sale and there will be no by bidding. Liberal terms made known on day of sale. E. E. BLAND, Owner, Kinsley, Kansas. LAFE BURGER, Auctioneer.

FOR SALE OR EXCHANGE

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

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

WRITE J. W. Meredith of Carthage, Missouri, for prices and exchange farm lands.

HOWELL CO., Mo., land for sale and exchange; best cheap land lists. Padgett & West, Mountain View, Missouri.

STOCK merchandise about \$4,000, for tract close to city. Telephone exchange for land worth \$20,000. E. S. McCabe, Clarin, Kan.

FOR SALE OR EXCHANGE: Good bottom 80; good imp.; 30 acres alfalfa, Norton county; \$5,200. T. M. Sullivan, Logan, Kansas.

WE BUY, sell and exchange, anything, anywhere of value. Ozark Co-operative Realty Co., Willow Springs, Howell Co., Mo.

IMPROVED—960 a. Kansas ranch for mdse., hdw. or farm worth about \$10,000. Modern Co-operative Realty Exchange, Aurora, Mo.

TO TRADE for mdse., 400 acre farm Newton County, Mo. Two sets imp. 100 acres bearing orchard, fine spring; three miles town. Beeler & Beeler, Neosho, Mo.

\$5,000 GEN'L MDSE. and buildings located in E. Kansas to exchange. Owner anxious. Ness Co. land to ex. for eastern land, mdse., or income. C. F. Edwards, Ness City, Kan.

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

480 A. 4 ml. from town; 175 a. fine bottom, 50 acres alfalfa, 175 a. in cultivation; bal. fine pasture; fine water; good improvements. Price \$50 per a. Owner will exchange for good wheat land not too far west. Write for our list of farms and ranches. Willis & Company, Emporia, Kansas.

HARPER COUNTY, KANSAS. One hundred sixty acre farm, three hundred thirty-five acre farm for east Kansas farms. J. M. GARRISON, Attica, Kan.

SALES and exchanges in lands and merchandise anywhere on earth. Co-operative Realty Co., Humansville, Missouri.

FOR SALE OR EXCHANGE.

Lands in the great corn and alfalfa belt of Missouri and Iowa. If you wish to make an exchange give full information and price in the first letter.

C. D. BUTTERFIELD, Hamburg, Iowa.

120 A. 3 ML. OF WELDA, KAN. 80 cult., 40 pasture, \$60 per acre, mort. \$2,100, wants mdse. 320 acres 2 ml. of Garnett, Kan., 200 cult., bal. meadow and pasture, \$30,000, clear, wants smaller farm, timber or rental.

SPOHN BROS., Garnett, Kan.

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

FOR SALE OR EXCHANGE

Land in the great corn belt of Missouri, Kansas and Nebraska. Also ranches. If you wish to make an exchange, address.

M. E. NOBLE & SON, 507 Corby-Forsee Bldg., St. Joseph, Mo.

I OWN AND WILL TRADE

A good small ranch in S. E. Kansas, a fine unimproved tract near city limits of Wichita; a good home in Wichita, some smaller residences; also a fine business proposition and business property; a nice farm in S. W. Kansas and some scattering quarters. Will trade either or all of these or will sell at a sacrifice and give extra good terms.

H. C. WHALEN, 812 West Douglas Ave., Wichita, Kan.

To Trade

320 acres 12 miles Jetmore, Kansas, nearly level. All grass, good soil; mortgage \$1,000, four years. To trade for merchandise. No buildings wanted.

M. W. PETERSON

Hanston, Kansas

ARKANSAS

ARKANSAS farms for sale. Terms List free. J. C. Mitchell, Fayetteville, Ark.

N. W. ARKANSAS lands for sale or exchange. Wright & Cox, Rogers, Arkansas.

90 ACRES northern Arkansas. Close in. Well improved. F. M. Weaver, Seligman, Mo.

170 ACRES; good improvements. Level, good water. Write E. W. Dawkins, Rogers, Ark.

80 A. near Ry., part bottom, improved, orchard, spring, etc. \$900. Terms. Leslie Land Co., Leslie, Ark.

WE HAVE bargains in fruit, stock and grain farms in northwest Arkansas. Springdale Land Co., Springdale, Ark.

\$60 DOWN buys 40 acre farm, rain and corn belt, Arkansas. Send for list now. Leavitt Land Co., Little Rock, Ark.

FOR des. literature, city props, Ark. and Okla. farm, fruit, timber, grazing lands, write Moss-Ballou & Hurlock, Siloam Spgs., Ark.

FARM list furnished, Mo., Ark. and Okla. Crops never fail. Spring water. Conner-McNabney Realty Co., Southwest City, Mo.

WRITE Brock & Little for prices on stock, grain and fruit farms. No crop failures, mild climate, spring water. West Fork, Washington Co., Arkansas.

522 ACRES mostly creek bottom; plenty water, and timber; good orchard; 2 ml. town; creek crosses place. Price \$30 per acre. Write Horton & Co., Hope, Ark.

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

WRITE J. O. Courtright Realty Co., for prices of fruit and stock farms. Locates colonies. Climate and water the best. No malaria. Exchanges made. Lincoln, Ark.

COME to northwest Arkansas, to Benton Co., Bentonville Co. seat, for good smooth land free from stone. Average \$65 per a. Exchanges. Robt. L. Lee, Bentonville, Ark.

ARK. fruit and alfalfa land, small or large tracts cheap. Small pay, down, long time to parties wanting homes. Write today for full particulars. Western Land Co., Rison, Ark.

QUIT RENTING and write Eugene Parrick, the land man, for fruit, grain and timber farms. Best prices, terms, water and climate in Ark., Missouri and Oklahoma. Describe your wants in first letter. Hiwasse, Ark.

YOU RUN NO RISK, crops abundant and sure, land artificially irrigated, water supply unlimited; land cheap; close to R. R. town in Ark. Let me convince you in time. Call or write A. H. Evans, Hickory Ridge, Ark.

RENTERS WANTED; For Arkansas farm in the Big Creek Valley, Cleveland Co.; sure crops; oats, corn, hay, fruit, cowpeas, peanuts, sugar cane, Irish and sweet potatoes, cotton, garden truck, etc. Share rent, no drouths, healthful climate; fertile land, good schools, fine neighbors. Sure money for industrious renters with good teams and tools. Write today. Western Land Co., Rison, Ark.

40 ACRES on county road, 1 1/2 ml. to school, 3 ml. to railroad station; some orchard, plenty of water, under hog wire fence. Price \$1,600; terms if desired. Other lands for sale. Ask for leaflet. E. H. Fair, Centerton, Ark.

IF INTERESTED IN N. E. ARKANSAS farm and timber lands, write for list. F. M. MESSER, Walnut Ridge, Ark.

CHOICE FARMS OF ALL KINDS on easy terms, in Benton Co., Ark. Ideal climate and pure water. Some exchanges. STAR LAND CO., Gentry, Ark.

LIVE IN BENTON COUNTY, ARKANSAS. Land of springs, pure water and ideal climate. Drouths never known, abundant rainfall. We own many farms, have lived here over 35 years. For reliable information and map write C. R. CRAIG & CO., Bentonville, Ark.

Arkansas Stock and Fruit Farm for Sale. 345 acres 8 miles from Waldron, county seat Scott county; 4 miles from R. R. 125 a. cultivated; 100 a. more good corn, grass and fruit land; fine timber; lasting water; 3 sets buildings, orchard, meadow, etc. Price \$6,000. Good terms. Address L. M. CUTTER, Owner, Waldron, Ark.

70 A. FARM, 4 ml. city. Half in cult.; orchard, fine springs; \$20 a. 6,000 a. best colonization proposition in best part of state. Party with cash can get bargain price. 80 a. farm, 1/2 ml. from station, 3 houses, flowing well, good barn, 70 acres in cultivation. \$3,000. 30 acres 5 ml. from city; 30 in cult.; 5 room house, small orchard, \$1,800. Other bargains. Texarkana Trust Co., Texarkana, Ark.

Theodore Howard, Real Estate Agent

Benton county fruit and stock farms and city property for sale on good terms. Best climate and purest water in the world. Write for prices. HIWASSE, ARKANSAS.

ARKANSAS

has another bumper crop. Our 48 inches of rainfall is a guarantee against crop failure. We have 15,000 acres of fine cotton agri-cultural lands for sale. Your choice of a farm for \$15 per a., terms \$1.50 per a. cash, bal. any time in 20 years, 6% interest. This land is selling fast.

FRANK KENDALL LUMBER CO.

Pine Bluff, Arkansas.

MISSOURI

FOR farm lands in Barry Co., Mo., write J. Y. Drake, Exeter, Mo.

FARMS and ranches all sizes and prices. C. C. McCormick, Aurora, Missouri.

YOU want an Ozark farm or ranch. What kind? Wesley Marlon, Monett, Mo.

WRITE Ozark Realty Co., Springfield, Mo., for grain farms, ranches, dairy farms.

160 A. Ozarks; 100 cult., 2 sets bldgs., spring. \$1,700. McQuary, Sellman, Mo.

WRITE Bedell & Co., Springfield, Mo., for prices on grain, stock and dairy farms.

WRITE Clark & Williamson, Cassville, Mo., for list of cheap lands. Exchanges.

WRITE Perry & Brite for prices on stock, grain and fruit farms. Monett, Missouri.

WRITE Southwestern Land & Investment Co. for grain, stock farms. Springfield, Mo.

OZARK FARMS. Write Southwestern Land and Immigration Co., Springfield, Mo.

120 ACRE farm. Price \$1,600, \$400 down. Views, map free. Arthur, M'n View, Mo.

IN THE OZARKS; 120 a. imp., \$10 a. W. A. Morris, R. 2, Box 39, Mountain View, Mo.

FARMS—Write for free list, well improved farms in Linn Co., Mo. Many good bargains. W. A. Parsley, Brookfield, Mo.

\$5 DOWN, \$5 monthly, buys 40 a. grain, fruit, poultry land, near town. Price \$200. Write for list. Box 372, Carthage, Mo.

154 ACRES all in cultivation but 7 acres; rich, black soil; good improvements. Good water. On piked road near city. Excellent buy. J. E. Hall, Carthage, Missouri.

BIG BARGAIN—Ideal stock farm, cheap for quick sale. 225 acres, Polk Co., Mo., 7 miles railroad, well improved, rural conveniences, FORCED TO SELL, worth \$50, will take \$30, terms to suit. Harry T. West Realty Co., Bolivar, Mo.

CHOICE 160 a. cheap; 135 a. nice plow land, 20 a. good pasture, bal. timber. 1 mi. to R. R., 1/4 mile to school; 1/2 mile church. Two sets improvements. Bargain \$35 an acre. J. W. Carpenter, Bolivar, Mo.

CASS COUNTY, MISSOURI. 280 acres, rich limestone land; improved; water; 3 miles to Harrisonville; 40 miles to Kansas City. Price \$50 per acre; terms to suit. Stock and dairymen take notice. This is a SNAP. CHARLES BIRD, Harrisonville, Mo.

\$27.50 AN ACRE buys this splendid 140 a. farm. 100 in cultivation, 40 timber. All smooth land. Splendid orchard; nice vineyard; two everlasting springs, one right at the house; fine well; 4 room frame dwelling; improvements very good. Big forest trees around premises; tasty and home like. 6 mi. from town; splendid road. I will carry \$1,500. A genuine bargain. W. J. Chambliss, Anderson, Mo.

HOWELL CO., MISSOURI. 120 a. farm 2 mi. from Pomona. 75 a. in cult. and orchard, 500 bearing trees, apple and peach, 100 a. fenced, 5 room house, good barn, 2 wells, cistern, phone line, rural mail. 1/2 mi. school. \$28, terms. Farms for merchandise or town property. A. P. COTTRELL LAND CO., Pomona, Mo.

FARM LAND—CATTLE RANCHES. For sale: 8,080 acre stock ranch for less than half its value. 5 miles long and 2 1/2 miles wide. Has 56 springs; 1 1/2 miles water stream. Best bargain in Missouri. If you want to raise beef and make a fortune this is your chance. For further information write or wire owner A. J. JOHNSTON, Merchants National Bank, Springfield, Mo.

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.

BIG CROPS, BIG MARKETS, BIG PROFITS. In the Houston, El Campo district of the Gulf Coast. Write us for Free Booklets, "Where Farming Pays," "Pointers on Where to Buy Land," also "The Gulf Coast Bulletin," for six months Free. ALLISON-RICHEY LAND CO., Houston, 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.

ONE-TENTH CASH. 46, 92, 138 or 184 acres best Brazos bottom Pecan and wild peach timber land, above overflow, 4 miles south of Thompsons, Tex.; no better soil anywhere; at \$35 per acre. 1-10 cash and 1-10 per year for five years, remainder the sixth year. Wonderful opportunity to get some of the best land on earth on terms anyone can pay. A few tracts left. Hilland P. Lockwood, 1118 Union Bk. Bldg., Houston, Tex.

No Money Required TO BUY A FARM IN SOUTH TEXAS. I am prepared to sell you a home on from three to five years' time, without a cash payment provided you have funds to fence and put part of it in cultivation. Your crops will pay for it. For particulars address W. S. BIGHAM, 516 Bedell Bldg., San Antonio, Tex.

FINANCIAL 6 per cent loans on resident and farm property to buy, build, improve, purchase, remove incumbrances, extend notes, mortgages and other securities, special privileges, terms reasonable. Correspondence invited. Commonwealth Securities Loan Company, Commonwealth Building, Denver, Colo., 1521 Commerce St., Dallas, Texas.

MINNESOTA

80 A. good Minnesota land \$1,000. Terms. Other bargains. Foss, Milaca, Minn.

PAYNESVILLE Land Co., sell Minnesota farms. Write for list. Paynesville, Minn.

MINNESOTA farms for sale. Easy terms. Write A. G. Whitney, St. Cloud, Minn.

MINNESOTA farms for sale. Special bargain list. A. H. Brown, Willmar, Minn.

SEND FOR LIST NO. 61 describing 100 improved Minnesota corn and clover farms. C. L. West, St. Cloud, Minn.

SETTLERS wanted for clover lands in Central Minnesota. Corn successfully raised. Write Asher Murray, Wadena, Minn.

500 IMPROVED FARMS So. Minnesota for sale. For terms and prices write Morehart & Atchison Land Co., Mankato, Minn.

238 A. well improved, near station. 12 a. cultivated. Balance timber. For quick sale \$20 per a. E. H. Winter, Bemidji, Minn.

MINNESOTA farms for sale on easy terms. We sell our own lands. Write for list and map. Anderson Land Co., Willmar, Minn.

MINNESOTA farms for sale on easy terms. We sell our own lands. Write for list and map. Sonnesyn Land Co., St. James, Minn.

\$3,000 CASH, will buy good impr. 360 a. farm Southern Minn. \$68 per a. Bal. easy terms. Johnson-Silliman Land Co., Windom, Minn.

118 ACRES, good soil, in corn belt; 80 miles from Minneapolis. Splendid set of buildings, on R. F. D. Price \$60 per acre. Terms. T. H. Daly, Elk River, Minn.

FOR SALE—Imp. farm at bargain near town, school, tele. R. F. D. Worth \$1,500—for quick sale at \$500—very easy terms. Fred L. Harris, Globe Bldg., Minneapolis, Minn.

80 ACRES with 10 a. under cult.; bal. timber; \$3,000 worth of bees and supplies; fair house and barn and bee house and cellar. Harrington & Winsor Land Co., Foley, Minn.

NORTHERN Minnesota offers more natural inducements than any other section. Sure crop state. Free information. Write Immigration Commissioner, MacKenzie, Minneapolis, Minn.

SOUTHERN Minnesota. 160 acre corn farm well improved. Close in. Tilled. R. F. D. Phone; For quick sale \$80 a. For full description write Wm. Schaleben & Co., Madelia, Minn.

WILD and imp. farms in the park regions of Minn. \$10 to \$75 per a. Also wholesale list of lands in Wis., N. Dakota and Minn., \$5 to \$12 per a. Terms easy. For descriptive price list write J. W. Denny, St. Cloud, Minn.

MINNESOTA, greatest dairy state in Union. Millions of acres wild land in best dairy section of State can be bought cheap on long time, easy terms. State School lands, free homestead lands, improved farms. Maps and lit. about state free. Write Fred D. Sherman, Com. Immi., 233 Capitol, St. Paul, Minn.

200 A. stock and grain farm, 100 plowed, 60 meadow, 40 shady pasture; good buildings, black soil, clay sub-soil; 5 1/2 mi. to county seat. Price \$60. Easy terms. Write W. C. Murphy, Foley, Minn.

320 A. Wadena Co. All in cult. Fenced and cross fenced. All level; good 10 r. house, large barn, granary; silo, windmill, other bldgs. Near school. R. F. D. tel. Not for sale after Dec 1. \$65 a. Terms easy. John D. Mar in, Staples, Minn.

SOUTH CENTRAL MINNESOTA Farm land, Stearns and Pope Co., \$30 to \$65 per a. Why go further north? Buy here at this low price. Map and list free. M. F. REINE, Broton, Minn.

WISCONSIN

CLOVER, cream, corn belt lands. Improved and unimproved \$15 to \$100 per a. Literature sent free. S.A. Carpenter, Chippewa Falls, Wis.

185 A. well improved, 100 in cult. Will grow corn, alfalfa and clover. Soil clay loam. \$3,000 personal property with purchase. Price \$67 a. Bloomer Land Co., Bloomer, Wis.

CAN furnish retired business men, clerks, bookkeepers, and others fine farms, 5 acres and up to 1,000, near railway stations and good markets, cheaply and on easy payments. Write for particulars to Stephenson Land and Lumber Co., Oconto, Wis.

WRITE FOR DESCRIPTION and prices of over 70 improved farms and 20,000 acres of wild land in dairy belt of Wisconsin. L. Rivard, Turtle Lake, Wis.

Secure a Home in UPPER WISCONSIN Best Dairy and General crop state in the Union. Settlers wanted. Lands for sale at low prices on easy terms. Ask for booklet 30 on Wisconsin Central Land Grant. State acres wanted. Write about our grazing lands. If interested in fruit lands ask for booklet on apple orchards in Wisconsin. Address LAND DEPT., Soo Line Ry., Minneapolis, Minn.

BRITISH COLUMBIA LAND CHOICE FRUIT AND POULTRY ranches for sale in Western States and British Columbia—any size from 5 acres up—monthly, yearly or all cash payments. No irrigation needed. Price \$50 to \$150 per a. Actual government reports show that ranchers making from \$400 to \$2,000 per bearing acre. Come and see. I have sold to over 500 people in eighteen months—send for the Kootenay Magazine—price 50 cents but free to readers of this paper if you state your nationality, amount you have to invest and one reference. Beautiful mountain lake 85 mi. long—never freezes—no rainy season, no crop-killing frosts. No severe storms, droughts or cyclones. Plenty of work in mills, mines and on ranches for laboring men. Wages the best. I live there myself. Write me personally. Fred L. Harris, Pres. International Fruit & Farm Lands Co., (Inc.) \$500,000, Globe Building, Minneapolis, Minn.

Farms Fail Without Cattle

(Continued from Page 6.)

At the Hays station at present we have three silos that were filled in preceding years and ready for use during the coming winter. This is a practice that should be especially advocated in all of the dry-farming sections of the country in order that the cattleman may not have to reduce his herds during periods of exceptional drouth. It is the only practicable method yet devised for carrying such bulky feeds as sweet sorghum, kafir, feterita and similar crops over from year to year. It is also possible that the silo may come into very general use during the summer period in order to reduce the area necessary for grazing cattle. This is a question which we have not as yet worked out, but one that will be given attention in the near future.

The future of the farming industry in sections where the rainfall is deficient depends largely upon the ability to hold the livestock farmers from year to year. The silo will assist in this and will help to induce others to go into the production of livestock in many sections where it has now been entirely eliminated. There are other factors, however, which must be taken into consideration the chief of which is some means of financing the man who hopes to establish a breeding herd of either beef or dairy cattle. The custom of our bankers and others who lend money is to demand cattle papers which will mature in a short period, but it is almost impossible to borrow money under such conditions as will permit the establishment of breeding herds. The grazing and feeding industry at best is only temporary and is speculative. What we really need is permanent breeding herds which will make our farm population as permanent as any other. When this is done and crops that are adaptable to dry-farming conditions are grown for the silo, the custom of continuous wheat growing will gradually give way to that of diversified farming, the only system yet devised that has resulted in anything like permanence in agriculture.

Still a Few Cattle Left

Beef cattle may be a scarce article generally, but there still are a few bunches left in various corners of the state. Near Burdick in Morris county, several thousand head will be fed and marketed this winter. Among the heaviest feeders in that community are E. F. Anderson with 2,500 animals, William Atkinson and Son with 1,000 head, I. N. Sturgis and Sons, 1,000; A. E. Anderson, 500; W. J. Anderson, 500, and H. B. Oberholser and Sons, 400. Many other feeders have smaller herds.

I simply wouldn't willingly miss a single number of the Mail and Breeze. —Pauline Kick, Winfield, Kan.

LOUISIANA

FOR SALE: Farms and cut over lands Write Ponder & Mizell, Forest Hill, La.

FOR SALE OR EXCHANGE. We have for sale and exchange, several fine farms and large tracts of hill lands in Louisiana, that we will consider good income proposition in exchange for same. Invest your money in Louisiana. Write J. D. PACE & CO., Alexandria, Louisiana.

NORTH DAKOTA

NORTH DAKOTA crop payment land \$22 to \$30 per acre. 1/2 cash, 1/2 crop, 1/2 cream until paid. 15 cows free with each section. Two purchasers can buy together. Sylvester Brothers, St. Paul, Minn.

COLORADO

SPLENDID stock ranch, 1,240 acres. Improved. 100 alfalfa, orchard, creced and under flow water. 6 miles to station. On state road. \$25.00 acre. Most liberal terms. Allison, Rye, Colorado.

320 ACRE HOMESTEADS 320 ACRE

Perfect soil, fine water, climate, schools, crops, people. Our country is coming to the front rapidly. Only a few homesteads and relinquishments left at \$100, up. Get busy. Do it now. It will pay. You can't lose. How? Take the Missouri Pacific for Eastern Colorado. R. T. CLINE, Townner, Colo.

We Want Farmers

Why buy cut-over, or wild lands in the Frozen North? We can locate you on half-section relinquishment for \$850. Will produce 30 to 35 bushels wheat and corn per acre on sod. Fine hay, good dairy country, 10 to 40 feet to water. Only 12 miles from this city. Land level and soil fertile, clay subsoil. Finest climate in the world. Come and get your choice. CUTLER & LAYTON, Fort Morgan, Colo.

FURS! Our New Trappers' Guide is a Dandy! It's worth a lot to every trapper. FREE! Tells how to make better baits that cost you little or nothing. Tells how, when and where to trap. Also a catalog of Traps at Factory Cost. Send your name in for the "Lyon List" today. Get our regular price quotations. "Rely on Lyon" to pay the highest cash prices. M. LYON & CO. The Oldest Fur and Hide House in Kansas City 226 Delaware St., Kansas City, Mo. Established 1870. RELY ON LYON

FURS! FREE! Handy Book for Trappers. If interested, we will send you this book free and keep you informed as to prices on all kinds of furs. LURIT It Will Attract All Animals to Your Traps. A large sample bottle for 25c. Guaranteed to increase your catch or money refunded. It Advertises US To Satisfy YOU. ST. LOUIS COMMISSION CO., Dept. 15 208 N. Main St., St. Louis, Mo. Highest Prices For Hides and FURS. Paid by "BIGGS" at Kansas City. Millions will be paid for furs this season. Will you get your share? We must have more furs to supply our enormous demand. We save you all commissions and offer more advantages. HIGHEST PRICES, Reliable Quotations, Liberal Grading, Quick Returns, Fur Shipments Held Separate on Routes. 32 years square dealing. Half a million satisfied shippers. Make Big Money Trapping! Our Free Trappers Guide tells how. We sell traps, Guns, Ammunition, etc., at wholesale cost. FREE Fur Price Lists, Shipping Lists, Catalog and Trappers Guide. E. W. BIGGS & CO., 532 Biggs Bldg., KANSAS CITY, MO.

FREE TO TRAPPERS. Write today for our free Trappers' Book—tells you all about how to increase your catch, and inside facts about how to get the most money out of furs. Best book for trappers ever published. No up-to-date trappers can afford to be without it. Our confidential information is very valuable and will be sent to you monthly during the season—it means big money to trappers. All of the above free for the asking. Address I. ABRAHAM 213 N. Main St., Dept. 129 St. Louis, Mo.

WHO IS THE RAW FUR MAN? W.R. ADAMS, FREMONT, NEB. Write him now for price list No. 69. TRAPPERS! Get More Money For Your Furs. Don't ship anyone furs till you get our Free Bulletin quoting cash prices we actually pay for Coon, Mink, Skunk, Opposum and other furs. We charge no commissions. Write today for Free Bulletin, it will pay you big. NATIONAL FUR AND WOOL CO., Dept. 123 St. Louis, Mo.

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, 3632 Flora Ave., Kansas City, Mo.
- Geo. W. Berry, N. Nebraska and W. Iowa, Capper Bldg., Topeka, Kans.
- 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.

- Nov. 7—U. S. Byrne, Saxton, Mo.
- Jan. 31—A. D. Jones, Dunlap, Iowa.
- Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.
- Feb. 11—H. C. Graner & Son, Lancaster, Kan.
- Feb. 12—Thos. F. Walker & Son, Alexandria, Neb., at Fairbury, Neb.
- 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. 20—A. J. Swingle, Leonardville, Kan.
- Feb. 24—M. T. Shields, Lebanon, Kan.
- Feb. 27—W. A. Davidson, Simpson, Kan.
- Mar. 4—John Kimmerer, Mankato, Kan.

Duroc-Jersey Hogs.

- Jan. 26—Ward Bros., Republic, Kan.
- Jan. 23—C. E. Clauff, Central City, Neb.
- Jan. 28—W. E. Monasmith, Formoso, Kan.
- Jan. 29—N. B. Price, Mankato, Kan.
- Jan. 31—A. M. Rinehart & Son, Smith Center, Kan.
- Feb. 3—Howell Bros., Herkimer, Kan.
- Feb. 4—Mosser & 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. 18—Geo. W. Schwab, Clay Center, Neb.
- 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.

Jersey Cattle.

- Nov. 10—A. L. Churchill, Vinita, Okla.

Hereford Cattle.

- Jan. 28—Mousel Bros., Cambridge, Neb.
- Feb. 19—Nebraska Hereford Breeders' Assn. sale at Grand Island, Robt. Mousel, Cambridge, Neb., Mgr.

Imported Shire Mares.

- Dec. 11—Truman's Pioneer Stud Farm, Bushnell, Ill.

Percherons, and Other Draft Breeds.

- Jan. 27-28-29-30, 1914—Breeders' Sale, Bloomington, Ill. C. W. Hurt, Mgr., Arrowsmith, Ill.

Jacks and Jennets.

- Feb. 26—H. T. Hineman & Sons, Dighton, Kan., and Dorsey Hutchins, Sterling, Kan. Sale at Sterling.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

Col. G. L. Wolfe, Hammond, Oklahoma, recently purchased of H. C. Lookabaugh, Watonga, Oklahoma, 11 head of purebred Shorthorns consisting of a herd bull and a select lot of cows and heifers including daughters of Lavender Lord, by the noted Avondale, imported cows and other foundation stock that properly handled cannot help but make future Shorthorn history. Col. Wolfe is a progressive stock farmer of Custer county, Oklahoma, and the owner of 800 acres of choice Washita River bottom land. He sees the necessity of raising better stock on such high class land.

Cattle, Jacks, Horses, Hogs.

H. C. Lookabaugh, Watonga, Oklahoma, on account of the increased growth of his Shorthorn business has decided to hold on Tuesday, November 4th, a general clean up sale of grade cattle, hogs, horses, mules, jacks, jennets, farm machinery, tools, harness, in fact all the equipment necessary to run a 2,500 acre farm and ranch. Mr. Lookabaugh has decided to clean up and give his undivided attention to his Shorthorn business. His display at this issue gives a partial description of stock to be sold. These jacks and jennets are worthy of attention. The great four-year-old jack, Caddo, and two of his sons together with three good jennets bred to him are likely to sell for less than their value. This jack, Caddo, would be a real attraction in any regular jack sale and these 20 brood mares, work geldings and mules as well as the young span of drivers, by Rustie E. should attract the horse and mule buyer. A good time to visit Pleasant Valley Stock Farm and see this great herd of Shorthorns would be November 4th, the day of this sale. Make arrangements to attend.

N. W. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Lew Jones, the well known draft horse man of Alma, Kans., was visited at his breeding and sales barn at Wamego, Kan., last Monday. Mr. Jones is just getting

straightened up after a strenuous campaign at the big shows where he was very successful with his string of Percherons and Belgians. Mr. Jones is a well known farmer and breeder of Wabausee county and will handle a fine string of Percheron and Belgian stallions and mares at his barn in Wamego this winter. His advertisement will appear later in Farmers Mail and Breeze, at which time we will have a more extended notice of his winnings at the fairs and of what he has for sale.

Klein's Poland China Boars.

L. E. Klein, Zeandale, Kan., has some choice spring boars for sale at bargain prices. They are good and are out of mature sows of as good big type breeding as can be found anywhere. They were sired by Chief Price 61667, a big smooth boar that has made many friends in this part of the West. Mr. Klein is offering about 20 of these big growthy spring boars for sale at private sale and the rest have been culled out. He is not making a boar sale this season and is only trying to sell the tops at enough above market prices to pay him for his trouble. They are really good and you better write him for prices and descriptions. But don't forget about his bred sow sale February 17. He starts the big four circuit in which J. H. Harter, Westmoreland, Kan., sells at Manhattan; J. L. Griffiths, Riley, Kan., and A. J. Swingle, at Leonardville. The four sales will be on the Rock Island and not over 40 miles from Zeandale to Leonardville. Plan to attend this circuit of big sales February 17, 18, 19 and 20. All will be advertised in Farmers Mail and Breeze.

Buy A Hereford Bull.

Fred R. Cottrell, Irving, Kan., is advertising Hereford bulls for sale. He is also offering for sale some spring heifers. Also Poland China fall and spring boars and 50 Banded Rock cockerels. Blue Valley Breeding Farm consists of 800 acres and has been the home of registered Hereford cattle for 20 years and now the herd numbers over 200 head. Mr. Cottrell looks after his big breeding establishment personally and two years ago built a big circular barn with a capacity of 300 cattle and 500 tons of hay. It is 80 feet high and holds 1,000 bushels of grain. It cost \$5,000 to build it. It is the largest barn in the state and Farmers Mail and Breeze readers will remember a picture of it which appeared in the paper last winter. Mr. Cottrell is making very reasonable prices on his Hereford bulls. His prices are \$75 to \$100, delivered at your station anywhere in the state. Everything in the herd is registered or eligible. His Poland China boars are of both spring and last fall farrow and will be priced right and they are of the best of breeding. He is offering also 50 Banded Rock cockerels raised on this big farm where they have had plenty of range. Look up his advertisement in this issue and write for prices and descriptions. Irving, Kan., is on the Blue Valley Branch of the Union Pacific and on the Central Branch of the Missouri Pacific in Marshall county. Visitors are always welcome. Go to Irving and phone Mr. Cottrell.

N. E. Kansas and N. Missouri

BY C. H. WALKER.

Clarence Dean of Weston can supply your wants in Mastodon Poland Chinas that are immune from cholera and that have to their advantage besides this the size and bone and quality and prolific tendencies so essential to the success of the business. Write him for prices on spring boars or gilts.

Henry Murr of Tonganoxie, Kan., is making attractive offers in the way of choice O. I. C. pigs. He has a toppy lot of March and April boars and a number of June pigs that he is pricing well worth the money. The Murr O. I. C.'s give satisfaction. His prices are on a live and let live basis and he backs up the stock he sells by his personal guarantee. Write him.

F. P. Robinson of Maryville, Mo., who has been before the readers of this paper for a number of years with his Mammoth Poland Chinas is better equipped this year than ever before to give value received. His spring crop of pigs are extra good and are sired by the boars that have made this herd famous for bigger and better Polands. Write him your wants on either boars or gilts.

Fair Sale For Graner.

An average of a little over \$20 on 40 head of Poland Chinas sold by Henry Graner & Son at Lancaster, Kan., October 22, was in

LIVESTOCK AUCTIONEERS.

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

W.B. Carpenter Livestock Auctioneer
1400 Grand, KANSAS CITY. Also Land Salesman

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

Be an Auctioneer
Travel over the country and make big money. No other profession can be learned so quickly, that will pay as big wages. Write today for big, free catalogue of Home Study Course, as well as the Actual Practice School. Next term opens Jan. 5, 1914.

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

LIVESTOCK AUCTIONEERS.

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

J. P. Oliver Newton, Kan. Livestock and Real Estate Auctioneer. My 20 years experience insures better results.

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, KANSAS
Merchandise Auctioneer. Write for open dates.

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

JESSE HOWELL Herkimer, Kan.
Livestock Auctioneer
Write or phone for dates.

Jas. T. McCulloch, Clay Center, Kan.
Reference: The breeders I am selling for every year. Write for open dates.

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

B. O. BROADIE Livestock Auctioneer
Satisfaction guaranteed Winfield, Kas. Write or phone for dates

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

Hampshire Sheep 12 lambs, \$12 each, 20 ewe lambs, \$10 each, 24 year-old ewes, \$10 each, 13 three-year-old ewes, \$10 each.
E. S. Taliaferro, Russell, Ks.

Hampshire Hogs. Three weanling boars, choice belting and type.

LAWNSDALE STOCK FARM COACHERS!
We have a few of our great Oldenburg German Coach stallions and mares left and are pricing them for quick sale. Anyone wanting this kind of stock would make no mistake by investigating our herd at once. Write or call on us.
JOS. WEAR & SON, BARNARD, KANSAS.

Bergner & Sons' German Coach Horses
German Coach Stallions at prices you will be able to pay for at one season's stand. Also mares and fillies; all good bone with plenty size, style and action and the best general purpose horse that has ever been imported. The St. Louis Fair Champion Milon 3159 and the Kansas State Fair prize winner Mephistoles 4221 at head of herd. We are pricing these horses to sell and guarantee satisfaction. Write today or call soon.
J. C. BERGNER & SONS, Waldoock Ranch, PRATT, KANSAS.



Johnson's Shetland Pony Farm
Write me regarding Shetland Ponies. I have for sale 40 to 50 head of fine ones, spring colts, yearlings, coming two and matured stock. Registered mares or stallions. My herd runs strong to spotted, black and white, and I have Nebraska State Fair winners. Let the children have a pony. My prices are reasonable and every pony is guaranteed as represented. Write me now while I have a fine offering of spring colts on hand.
H. H. JOHNSON, CLAY CENTER, NEBRASKA.



Lamer's Percheron Stallions and Mares
Fifty head to select from. Let me know your wants.
C. W. LAMER, Salina, Kan.

Blue Valley Stock Farm!
Largest Belgian Importing and Breeding establishment in the West. Importation of Belgian stallions and mares arrived Sept. 7th. Many of our horses were medal-winners at the foreign shows this year, all are sound, acclimated and ready for service. Lowest prices and safest guarantee of any firm in the business. Also a few extra good Percherons. Write us.
W. H. BAYLESS & COMPANY, Blue Mound, Linn County, Kansas

The West's Largest Importing and Breeding Establishment. Importers and Breeders of
Percherons, Belgians and Shire Stallions and Mares
100 Head from Which to Select
Our Stallions and mares are strong and massive, with great quality, style and conformation, with splendid color and dispositions. They are selected with an eye single to the wants of the most critical American buyers, and we can sell them for less money than any one in the business, quality considered. The stallions will go into any community and command the best mares, command the men who are the best pay and who take the best care of their stock. Let us know your wants. We can suit you in both price and quality.
L. R. WILEY, Emporia, Kan.

PUREBRED HORSES.

TO MAKE Most Money
YOU must have bone and weight, must be bought FROM A FARMER before town-barn expenses, profits, etc., are added. My big bunch reg. Percheron studs weanlings to 4 yrs are that kind crackin' good ones that will make you the most money Breeder's prices. Fast trains Trains direct from Kansas City and St. Joe. Fred Chandler, Route 7, Chantion, Iowa.



WOLF BROTHERS are home again with a **BIG IMPORTATION** of the best **Percheron and Belgian Stallions and Mares** that could be found in Europe Write for free photographs from life **WOLF BROS., Albion, Neb.**

MULE FOOT HOGS.
Mule-Footed Hogs The coming hog of America; hardy; resist disease, the best rustlers know; pig ten to sixteen weeks old, \$30 pair. Circular free.
DR. W. J. CONNER, LABETTE KANSAS.

MULE FOOT HOGS More premiums won in 1912 than any herd in U. S. Spring boars and gilts and pigs in pairs not related.
Zene G. Hadley, R.F.D. 5, Wilmington, O.

Hampshire Sheep 12 lambs, \$12 each, 20 ewe lambs, \$10 each, 24 year-old ewes, \$10 each, 13 three-year-old ewes, \$10 each.
E. S. Taliaferro, Russell, Ks.



HAMPSHIRE.

Registered Hampshires Spring boars and gilts priced to sell. Every hog properly vaccinated. C. E. LOWRY, OXFORD, KANSAS



For prices on PEDIGREED HAMPSHIRE Write J.F. Price, Medora, Kan.

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

SUNNY SLOPE FARM Regards Mail and Breeze space as a good advertisement, but a satisfied customer as a much better one. We offer high bred, well belted Hampshire hogs on a money-back plan. That's the only way we sell. Let's get acquainted. FRANK H. PARKS, OLATHE, KANSAS.

O. I. C. HOGS.

O. I. C. PIGS, \$15 a pair. Young herd (4), \$30. HARRY W. HAYNES, Meriden, Kansas.

Russell's O. I. C.'s Tried sows; gilts bred or open. Boars ready for service Also July pigs priced to sell. H. R. Russell, Sedgwick, Ka.

Edgewood O. I. C.'s March and April Boars ready, also some fancy early June boars by U. S. 1782. I can and will please you. HENRY MURR, Tonganoxie, Kansas.

100 Spring Pigs, early farrow (both sexes) and choice yearling boars. Ask for prices now. Well grown and extra good. Immune. Chas H. Murray, Friend, Neb.

50 O. I. C. Pigs Heavy Knaping, Elmore, Kansas.

Gookin's O. I. C. Hogs Booking orders for fall pigs at dry weather prices. F. C. GOOKIN, RUSSELL, KAN.

50 O. I. C. Pigs for Sale Sired by my leading herd boars. Write for prices and descriptions. Andrew Kosar, Delphos, Kan.

BOARS! BOARS! BOARS! A great line of spring O.I.C. boars, large and growthy and priced at rock bottom prices to move them quickly. Booking orders on fall boars and gilts for December delivery. JOHN H. NEEF, BOONVILLE, MISSOURI

DUROC-JERSEYS.

Dreamland Col.—Riverbend Col. March boars by these sires. Prices right. Write for descriptions and prices. Leon Carter, Asherville, Kans.

DUROC-JERSEYS 25 sows and gilts, bred or open Summer and fall pigs Best of breeding: Herd boar. E. C. WATSON, Altoona, Kan.

PIGS BY THE GRAND CHAMPION I am offering 25 Duroc-Jersey male pigs by Col. Wonder, 1st at the Mo. State Fair 1912, 1st and grand champion Mo. State Fair 1913. Write CHAS. L. TAYLOR, Olean, Missouri

CROCKER'S IMMUNE DUROCS 250 early spring pigs, Duroc-Jerseys, for sale. I ship on approval. No money down before inspection. Prize winning sires. F. C. CROCKER, Filley, Neb.

CLEARVIEW STOCK FARM DUROCS Three fall boars and a number of spring boars, sired by Model Col. H. and Mc's Tat, spring gilts, same breeding, will sell open or hold and breed in November. Prices right. A. J. HANNA, ELMDALE, KANSAS.

PERFECTION STOCK FARM Duroc-Jersey boars, Nov. and Dec. farrow, sired by sons of B. & C's Col.; Buddy K IV and Grand Master Col. First Choice \$25; Second choice, \$20 for next 30 days. Weight 150 to 175 lbs. CLASEN BROS., Union City, Oklahoma

McCarthy's Durocs A few October boars by J. R.'s Col. by Graduate Col. Also a son of the champion, Tatarax, that should head some good herd. Dan McCarthy, Newton, Kan.

Red, White and Blue Duroc Farm A few service boars, open and bred gilts, bred sows and weaned pigs sired by the Grand Champion boar 1913, American Royal. JAMES L. TAYLOR, OLEAN, MISSOURI

TATARRAX Herd DUROCS Write us to describe the kind of Duroc boar you want. We have the best young boars ever raised. They are by G. M.'s Tat Col., and the grand champion Tatarax. Prices reasonable. HAMMOND & BUSKIRK, NEWTON, KAN.

HILLSIDE DUROCS Some very choice March boars and gilts, and a few summer pigs by Dandy Model (by Dandy Lad, and out of Lincoln Model) and a few summer pigs by him out of high class sows. W. A. Wood & Son, Elmdale, Kan.

GOOD E. NUFF AGAIN KING 35203 won Grand Champion prize at the Kansas State Fair, 1913. One of the greatest Durocs living. Special prices on herd boars for thirty days. W. W. OTEY & SONS, WINFIELD, KANSAS "The Men With the Guarantee."

Jones' Durocs All bred from the best blood lines and of the large type. Anything from a herd boar down to a pig. Stock all immuned from cholera. Description guaranteed. Write me your wants. W. G. JONES, MACOMB, ILL.

Bonnie View Durocs Three prize winning fall boars, weighing 500 pounds each, for sale. They are sired by Grand Champion Tat A Walla. Also spring boars and gilts of the same breeding. Searle & Cottle, Berryton, Kansas.

No sense the worth of the offering. Mr. Graner each year puts up a creditable offering and it seems a pity that the class of stock he produces is not appreciated more by his neighbors. True the offering this year lacked the flesh that good years and plenty of feed makes possible, but even at that the boars and gilts were in good breeding condition and the right shape to continue good work in other herds. Forty two dollars was the top, Ruddy Wasserfallen of Baker, Kan., paying that price for a February 25 Long King's Best boar pig. H. B. Walter topped the female offering at \$40 on a good yearling. Mr. Graner has a nice lot of spring and summer gilts which he is holding for a late spring sale. He presented a creditable offering last May and this offering should be even better. There isn't any question but that they will be in strong demand at that time. Cols. Sparks Scott, Tripp and Daum conducted the sale. Below is a representative list of sales:

| | | |
|---------------------------|-------|---------|
| Lot | | |
| 2—Wm. Bunck, Everest | | \$31.00 |
| 4—Howard North, Lancaster | | 30.00 |
| 10—Jno. Daum, Nortonville | | 27.00 |
| 12—Ruddy Wasserfallen | | 42.00 |
| 14—August Schultz, Huron | | 35.00 |
| 27—Jas. Gregg, Lancaster | | 25.00 |
| 37—H. B. Walter | | 40.00 |
| 40—J. L. Griffith, Riley | | 27.00 |

Walter Makes a Good Sale.

Ample proof that H. B. Walter of Effingham Kan., has bullded well his herd of big type Poland Chinas and that the result of his constructive policy enables him to hold a successful auction in an off year was furnished at his farm October 21 when he sold his usual good offering for an average of better than \$30. A good crowd was in attendance and they appreciated the good things offered. The prices ranged lower than in good crop years, but the standard of quality was high as usual and those who bought secured the "Walter Kind" at prices that will make good money on the investments. Henry Graner topped the sale on lot 41, an extra toppy March 11 gilt by Referendum out of a dam by Long King's Equal. Joe Schneider of Nortonville, Kan., topped the boar offering at \$45 for a March 11 son of Referendum out of a Big Tom sow. Wm. Sutter of Effingham paid that figure for a good March 10 pig by Long King's Best out of an Expansive sow. Col. C. M. Scott of Hiawatha, Kan., deserves credit for the good work he did on the block and his earnest work in help making the sale a success. Though only two years in the auction work Col. Scott is making rapid progress. He was ably assisted by Cols. Tripp and Hawk. Below is a list of sales above \$25:

Table listing various pig sales with names, locations, and prices. Includes entries like Floyd Royer, Circleville for \$27.00, P. C. Torkelson, Everest for \$36.00, etc.

Byrne's A Wonder Sale.

We stated in our last issue that the eyes of the Poland China world were focused on the forthcoming sale to be held by U. S. Byrne & Son at Saxton, Mo., on next Friday, November 7. Evidence of this effect has been presented in abundance the past week in the way of inquiries. Breeders from Michigan have written Mr. Byrne regarding the A Wonder litter and of the other good things which he will sell. It is doubtful if anything sired by A Wonder has attracted as much attention as has Pawnee Belle's litter. And the litter certainly is worthy of all the interest it has aroused. While of course this inquiry is of value to Mr. Byrne, yet if one will stop and consider, this inquiry means much to the man who is fortunate enough to buy one of the boars or gilts. It means that it is one of the best advertised litters sold in recent years and that in addition to a herd of one or more of these pigs will give prestige to that herd the same as it has to Mr. Byrne. That is aside from the real value of owning one of them. The combination of the two makes them extremely valuable. It is hard to describe this litter and do each pig justice. The six pigs, four gilts and two boars are uniformly good. The choice boar pig is outstanding, while the second choice, were he the only one to sell would be called an extra good one. The gilts are extra good, two of them outstanding. The other two are almost as good and probably will finish as well as their two top sisters. Second only to the A Wonder litter has been the inquiry on the boars and gilts by Long King's Best out of Ohava Lady. Some there are who think she is a better sow than Pawnee Belle. This litter considering the age, shows almost the growth of the A Wonder pigs. The four gilts by Ott's Big Orange are the kind that would be an attraction in any sale but this one and the pigs by Expansion's Son are even better than anything this great boar has sired heretofore. Taken as a whole it is an offering worthy the attention of the best breeders. It is well balanced throughout, well grown, full of quality and worth the money. True, a few of the Expansion's Son pigs are out of Mr. Byrne's medium type sows. It has been an ideal cross, but for those who are sticklers for big type pedigree over half the offering will give ample opportunity to make selections of strictly big type blood lines. Not only that, but they are the best of that type that money and intelligence has been able to produce. If you have not already gotten a catalog do so at once. But don't stay away from the sale for the lack of one. Mr. Byrne undoubtedly will run short and may not be able to supply all. Just make up your mind that you will attend this sale and you will not be disappointed with the class of hogs to be sold. To those who cannot attend, mail bids sent to C. H. Walker, fieldman for this paper, in Mr. Byrne's care will be handled in the buyer's interest. Saxton is six miles east of St. Joseph on the Burlington. In case connections are missed at St. Joe arrangements have been made to convey visitors to the farm, per notice in catalog. Kindly mention this paper when making inquiry.

DUROC-JERSEYS.

Duroc-Jersey Spring Pigs Dark cherry, sired by Bull Moose Col. 132255, he by King the Col. 89533 and out of large prolific sows of popular breeding, priced reasonable, and f. o. b. your station Arthur A. Patterson, Ellsworth, Kan.

Quivera Place Durocs Spring Pigs now ready and going. Write for prices. E. G. MUNSELL, Herington, 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

DUROC-JERSEYS.

BANCROFT'S DUROCS We hold no public sales. Nothing but the best offered as breeding stock. March and April boars and gilts weighing 175 lbs. and up, \$25.00. Gilts bred to order for spring litters, \$35.00 each. Sept. pigs about Nov. 1st, \$12.50 each. Customers in 10 states satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KANSAS.

DUROC SOWS, GILTS AND BOARS A few choice sows of Buddy K, 4th breeding, bred to our fancy young herd boar, Royal Crimson Wonder, for October litters, priced at \$35, to move them quickly. Fine spring boars, herd headers and stock boars, weighing 100 to 150 pounds, at \$18 to \$21. Also fine herd boar by the famous B. & C's Col. Choice gilts. All stock guaranteed. JUDAH BROS., HIATTVILLE, KANSAS



Royal Scion Farm Durocs

The great Graduate Col., assisted by Col. Selon, heads this herd. Fall and spring boars, fall and spring gilts bred or open and fall pigs, either sex. G. C. NORMAN, R. 10, WINFIELD, KANSAS.



BERKSHIRES.

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

BERKSHIRE HOGS

Choice pigs, 10 to 16 weeks old, either sex \$20. Boars ready for service \$25 and \$30, registered. Crated f. o. b. Breeding and individuality of the best. R. J. LINSKOTT, HOLTON, KANSAS.

BERKSHIRES.

Berkshire Pigs

Choice pigs, either sex, 10 to 16 weeks old, sired by ROBINHOOD PREMIER 2d, or Adam, a son of Rival's Lord Premier. Nothing but the very choicest specimens shipped. Price: registered, crated F. O. B. here—one \$30; two \$35; three \$50. W. J. CRIST, Ozawkie, Kas.

BIG TYPE UNPAMPERED BERKSHIRES

150 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 from August 1st to December 1st. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, Burlington, Kansas



Jewell County Breeders' Association

Members of this association, advertising below will offer nothing but first class animals for sale for breeding purposes.



POLAND CHINAS.

7 GREAT BOARS, five of Oct. farrow and two of Dec. Real herd boars at fair prices. Boar and gilt sale Nov. 15. JOHN KEMMERER, Mankato, Kan.

Herd Boar Offer. Big Look 64956 and Reystead's Jumbo 64957. Both boars best of breeders. Two years old. Boar sale Nov. 8. A. R. REYSTEAD, Mankato, Kansas.

Polands, Shropshire Sheep 100 Spr. pigs, both sexes, strictly big type. Ram lambs. Write for prices. Ira M. Swihart & Son, Webber, Kan.

50 BIG BOARS Spring farrow. Big and smooth. Priced to sell. Also choice gilts. Bred Sow Sale March 10. JOSHUA MORGAN, HARDY, NEBR.

Six Fall Boars that are good for sale reasonably. Big growthy kind. IRA C. KYLE & SON, MANKATO, KAN.

FALL AND SPRING BOARS for sale. Also spring gilts and summer yearlings. Barred Rocks, R. I. Reds and W. Wyandottes. W. A. MCINTOSH, Courtland, Kan.

PRIVATE SALE Spring boars and gilts. Also fall gilts. Best of big type breeding. Ask for prices and descriptions. TUDOR J. CHARLES, Republic, Kans.

50 POLANDS Both sexes, big type. Sale November 11th. Extra good Holstein bull calf. A. T. GARMAN, COURTLAND, KAN.

DUROC-JERSEYS.

35 Spring Pigs, both sexes. Also 15 choice November yearling gilts bred or open. No public sales. Also good herd boar proposition. E. M. MYERS, Burr Oak, Kan.

DRY WEATHER PRICES for choice spring boars and fall boars and gilts. Write for prices and descriptions. R. P. WELLS, FORMOSO, KANSAS

25 SPRING BOARS of fashionable breeding. Priced to sell. Bred sow sale January 29. Ask for prices and descriptions. N. B. PRICE, Mankato, Kan.

FALL AND SPRING gilts sired by Model Chief by Chief's Perfection. Spring boars worth the money. DANA D. SHUCK, BURR OAK, KANS.

KANSAS SPECIAL boars, sired by him and out of mature sows. Write. Also Holstein cattle and White Holland turkeys. Bred Sow Sale Jan. 28. W. E. MONSMITH, Formoso, Kan.

32 MARCH BOARS at private sale, by Defiant 2nd and B. & C's Col. Chief. Extra good and priced right. Bred Sow Sale Feb. 9. E. A. TRUMP, Formoso, Kan.

SPRING BOARS for sale reasonably. Write for descriptions and prices. Up to date breeding. Also a few gilts. R. C. MADSEN, JEWELL CITY, KAN.

10 Good Spring Boars priced right to move them quick. JOHN McMULLEN, Formoso, Kansas

40 SPRING PIGS of March and April farrow. Priced to sell. No public sale this season. C. C. THOMAS, WEBBER, KANSAS

HAMPSHIRE HOGS.

HAMPSHIRE PIGS of Spring farrow. Priced reasonable. Also unusually good herd boar proposition. ROY HAGGART, MANKATO, KANSAS;

O. I. C. HOGS.

O. I. C. SPG. PIGS Priced to sell. Write for descriptions and prices. White Holland Turkeys. Dr. W. W. Spencer, Mankato, Kan.

SHORTHORNS.

Oscar Green's Shorthorns Popular breeding. Stock for sale. A good herd bull proposition. OSCAR GREEN, MANKATO, KANSAS

Yearling Bull for sale. Dark Red. Eligible to registry. Price right. Duroc-Jersey boars and gilts. 100 White Wyandotte Cockerels. I. N. CHILCOTT, MANKATO, KANSAS

GUERNSEY CATTLE.

W. E. EVANS, Jewell, Kan. Breeder of Guernsey cattle. Nothing for sale now, but watch this space.

JERSEY CATTLE.

100 JERSEY COWS AND HEIFERS Health test with each animal. Write for prices and descriptions. J. W. BERRY, JEWELL CITY, KANSAS.

D. S. POLLED DURHAMS.

YEARLING BULL, nice red and splendid in service. Also some fine bull calves ready for service next spring. R. T. VANDEVENTER & SON, Mankato, Kan.

PERCHERONS.

PERCHERON Stock for sale. Always good horses in service. Breeding Farm H. G. MYERS, HARDY, NEB.

AUCTIONEERS.

John Brennen & Son Livestock Auctioneers ESBO, KANSAS WRITE OR PHONE FOR DATES

M. S. HOYT, MANKATO, KAN. Write or phone Livestock Auctioneer for dates.

Frank Regan Livestock Auctioneer ESBO, KAN. WRITE OR PHONE FOR DATES.

Ole Hanson, Livestock Auctioneer Mankato, Kan. Write or phone for dates. DAN GALLAGHER, Jewell City, Kan. LIVESTOCK AUCTIONEER Write or phone for dates.

N. B. PRICE Livestock Auctioneer MANKATO, KANSAS. Write or phone for dates.

POLAND CHINAS

KLEIN'S TABOR VALLEY HERD

Some choice January Poland China boars by Chief Price \$1007. Also two Sept. boars same breeding. Fall gilts, bred or open. Tops of February boars. All out of big mature dams. Satisfaction guaranteed. L. E. KLEIN, Zeandale, Kan.

Poland Chinas That Please

For a number of years we have bred the best type of Poland Chinas. Our males have gone to the best Big Type herds in America. We have 100 more to sell. P. L. WARR & SON, PAOLA, KANSAS

Way & Hargrove's Poland Chinas

Oldest Big Type Poland China breeders in Illinois. One hundred pigs for sale of our own breeding. WAY & HARGROVE, JACKSONVILLE, ILL.

HILDWEIN'S BIG POLANDS

Make your selections from my large herd of the "big kind". They are the kind that make good. WALTER HILDWEIN, FAIRVIEW, KAN.

BECKER'S POLAND CHINAS

Good spring boars and gilts. A Wonder and Big Hadley strains. Special prices on summer and fall pigs. They will please you. Write today. J. H. BECKER, Newton, Kan.

LARGE WITH PLENTY of QUALITY

Handsome young boars, gilts bred or open. Best of large type blood lines. Some boars, herd headers. Satisfaction guaranteed on all breeding stock. Olivier & Sons, Danville, Kan.

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 offer. E. C. LOGAN, (Mitchell Co.) SOLOMON RAPIDS, KAN.

Joe Baler's Poland

10 spring boars, a few choice fall boars, sows and gilts bred or open. Satisfaction guaranteed. Let me know what you want. J. M. BAUER, ELMO, Dickinson Co., KAN.

Large Type Poland

Big smooth spring boars and gilts by A Wonder's Equal and out of Knox All Hadley dams. Extra quality but at reasonable price. Write today. A. R. ENOS, Ramona, Kansas.

15 Spring Boars

tops from 32, sired by Mogul's Monarch, Gebhart, and Long King. Also two good fall yearlings. Gilts reserved for Feb. 18 bred sow sale. Write for descriptions and prices. J. H. HABER, WESTMORELAND, KAN.



1000 lb. Grand Champion, 11 in. bone

50 pigs, either sex, ready to ship, sired by this great boar and out of sows by Kansas Mow, by Peter Mow's Big Jumbo, for which Mr. Mow refused \$2,500, cash. Priced for quick sale. PAUL E. HAWORTH, LAWRENCE, KAN.

BOARS! BOARS! BOARS!

I will hold no fall sale. The tops of my spring boar crop go at private sale. I have an exceptionally fine lot of MAMMOTH IDEAL 54559 and EXPANSIVE B, by Expansive boars that are large smooth and heavy boned. One exceptionally fine February boar out of a Guy's Monarch sow. This is a real herd header. For the next 60 days these will be offered at bargain prices. MERTON WILLIAMS, Valley Falls, Kan.

Fall Yearling Boars

An exceptionally fine lot of 1912 fall boars sired by Ex. B, by Expansive and out of my best big type sows. Buy a matured boar that will sire you big litters of big, strong pigs. These are priced to sell. W. R. Webb, Bendena, Kan.

W. Iowa and N. Nebraska

BY GEO. W. BERRY.

L. R. McClarnon, breeder of Poland Chinas, Braddyville, Iowa, has on hand for the fall trade 30 head of choice, big type boars. They were farrowed in February and March and are well grown. They are large and heavy boned with plenty of length, have good heads and a number of them are of show yard quality. A large part of them were sired by Colossal, and the rest by Big Orange. They have the size, quality and finish for which the Colossal and Big Orange blood lines are noted. Mr. McClarnon reports his herd in good health and all his hogs doing well. The boars have not been picked over and the breeder wanting a choice young boar to head a herd should write or call upon Mr. McClarnon at once. The writer has seen the herd and can say that no better bunch of boars will be found on any farm. Parties writing to Mr. McClarnon for descriptions and prices will kindly mention this paper.

S. E. Kansas and S. Missouri

BY ED. E. DORSEY.

P. E. Haworth, of Lawrence, Kan., is offering 50 pigs sired by his grand champion boar Advance. It will be remembered that Advance is a grand champion boar weighing 1,000 pounds, standing on 11 inch bone. These pigs are out of sows sired by Kansas Mow, by Peter Mow's great boar, Big Jumbo. Mr. Mow at one time refused \$2,500 in cash for this boar. If you want something of strictly big type breeding and pigs that are bred and fed for future usefulness write Paul E. Haworth, Lawrence, Kan., and mention Farmers Mail and Breeze.

Way & Hargrove's Good Poland.

Way & Hargrove, of Jacksonville, Ill., had a good sale and a splendid offering. Col. Ira Cottingham did the selling. The prices ranged from \$30 to \$57. B. F. Dorsey and Sons of Versailles, Ill., topped the sale on No. 14 at \$47 and on boar No. 15 at \$30.00. The average on 44 head was \$41.35. Big Virginia 445986 and her dam were the only two sows sold, all others were spring pigs. Big Virginia weighed 728 pounds. She is the best sow we have seen sold in a long time. She and five of her pigs brought \$380. I think No. 19 of the litter, bought by C. C. Savage of Virginia, Ill., was as good a gilt as I have seen sell this season. This was a great offering and the firm only sold the partnership hogs they had out on the shares. They have 60 at their farm in Jacksonville that are of their own feeding that certainly are right. They are offering the tops of these for sale. Look up their advertisement and write them.

Taylor's Champion Duroc-Jerseys.

James L. Taylor, Olean, Mo., proprietor of the Red White and Blue Duroc Farm made a record at Missouri State Fair and American Royal. This breeder, showing four head at Sedalia takes away two blue ribbons and one red ribbon. He then went to the American Royal where he made a general clean up, securing 11 ribbons. Among them was a championship on boar under one year old and grand championship on boar 12 months and under 18 months old; Mr. Taylor's grand champion boar, Whiskey and Faith 129317, was just 18 months old when shown at Sedalia and weighed 800 lbs. Breeders of Duroc-Jersey swine should bear this in mind that Mr. Taylor has only been breeding Durocs two years. To breed champion and grand champion boar in this short period certainly speaks very highly for Mr. Taylor's ability as a constructive breeder. Mr. Taylor is striving hard to still improve his herd. Anyone wanting something bred right should look up his ad in this issue and write him your wants mentioning this paper.

Richly Bred Jersey Cows.

On Monday, November 10, 1913, at Windsor Place, Vinita, Okla., A. L. Churchill will sell the grandest lot of registered Jersey cattle that the people of the Southwest have had the opportunity of buying. It will pay every reader of this paper to attend this sale whether he wants to buy or not, for he will get to see Jerseys such as he has never seen before. Mr. Churchill advertises that the advantage will be with the buyer and it will, too, for it is not often we see a man that has the nerve to bring the best cattle into a country and sell them at auction. In this sale there will be 60 head under 3 years old—just think, all heifers, some fresh, some to freshen just after the sale, and most all bred. Certainly the Southwest is in need of just such dairy cattle. And drouthy times like we have just passed through certainly make our farmers think of dairy farming. The entire herd is either Island bred or sired by and out of Island bred cattle, representing the best in the world. Write B. C. Settles, Sales Manager, Palmyra, Mo., for catalog and be posted before you come to the sale.

Imported Belgian Horses.

We wish to call attention to the advertisement of W. H. Bayless & Co. Blue Mound, Kan., importers of Belgian horses. We have repeatedly stated both publicly and privately that no importing firm brings over better horses than this company. While they do not import as many horses as some others Mr. Bayless is one of the earliest over and makes his own selections. He brings over winners from the old country. Last season he won on eleven head of horses eighteen prizes including first and grand champion at the American Royal, and at his sale in March when these winners were placed in the stable with the others that he was preparing to sell, the judge did not live that could have selected these winners from the balance of the importation. Mr. Bayless had the largest average in prices of any importer of Belgian horses and the largest average of any breed of horses west of the Mississippi River. His present importation is equally as good as any he has ever imported. When it comes to doing business with a strictly reliable firm there are no better than W. H. Bayless & Co., Blue Mound, Kan.

Some Top Hampshire Boars.

Frank H. Parks of Olathe, Kans., owner of the Sunny Slope Farm of Hampshire hogs, writes under recent date that he has about 70 summer and fall pigs that are the prettiest bunch he ever saw, and that

DUROC-JERSEYS.

MODEL AGAIN Duroc boars, \$12.00 Bred gilts, \$50.00. R. W. Baldwin, Conway, Kan.

Smith's Durocs Fashionably bred boars, including grandsons of the great Graduate Col., and a herd-heading son of the champion, Taterax. Also spring boars. J. R. SMITH, NEWTON, KANSAS

20 March Boars by Blue Valley Look, King Hercules, Big Ben (Phandor) and Ott's Big Orange, (J. O. James.) Mature dams. J. F. FOLEY, (Norton Co.), Oronoque, 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

POLANDS: Size, Quality Pigs all ages for sale sired by Waechter's Before and King Hadley. Lambert Bros, Smith Center, Kan.

BARGAINS IN BIG TYPE BOARS

Have topped my herd—only a few to sell, but all good—sired by Sure A Wonder, by A Wonder, Colossal and Chief's Pride, out of sows by Long King and Big Orange. Also two-year-old son of A Wonder. Specially low prices for quick sale. C. R. MILLER, ROUTE 8, ATCHISON, KANSAS.

Dean's Mastodon Poland Chinas

Serviceable boars and bred sows sows 45 inches long, bone 5 1/2 in., and 84 inches high. VACCINATED AND IMMUNE. Herd headed by Mastodon Price, Columbia Wonder and Gritter's Longfellow 1d. Everything guaranteed, and sold worth the money. Phone Dearborn, station, New Market, and postoffice, Weston, Mo. Address CLARENCE DEAN, WESTON, MISSOURI.

Robinson's Mammoth Poland Chinas!

My herd boars weigh from 800 to 1,025 lbs. Now have for sale the greatest lot of spring pigs I've ever raised. Sired by and out of my prize winning boars and sows. Get my prices, description and guarantee. My terms are: if you are not satisfied return the hog and I return your money. F. P. ROBINSON Maryville, Mo.

Pleasant Valley Stock Farm! Big Boned Poland Chinas H. C. LOOKABAUGH, Prop.

We are now offering a few choice fall boars at choice prices. They are the kind that make good. Satisfaction guaranteed. Address L. W. CUTRIGHT, Mgr., Watonga, Okla.

POLLED DURHAMS.

Polled Durham Bulls

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

ABERDEEN-ANGUS.

Aberdeen Angus Cattle SUTTON FARM

Have 30 young heifers and thirty bulls to sell; for prices and particulars, address SUTTON & PORTEOUS, R. 6, Lawrence, Kan.

Angus Cattle

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

RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle. C. E. FOSTER, R. R. 4, Eldorado, Kansas.

Red Polled Cattle

Young bulls ready to ship. Cows and heifers for sale. Best of breeding. Write, or better come and see. CHAS. MORRISON & SON, Phillipsburg, Kas.

Duroc-Jerseys—Red Polls

12 growthy yearling boars. Spring pigs for sale at popular prices. Females bred for fall farrow. "Big Growthy Type" Red Poll Bulls and young females for sale. Write Geo. W. Schwab, Clay Center, Neb.

Blue Valley Breeding Farm

20 years the home of Herefords. 200 head in herd. 30 bulls for sale ranging in ages from 6 to 11 months. \$75 to \$100 delivered at your station. Also a nice bunch of heifer calves for sale. Everything registered or eligible. Registered Poland China fall and spring boars for sale. 50 Barred Rock cockerels for sale. Write for descriptions and prices. FRED R. COTTRELL, Marshall County, IRVING, KANSAS

Neosho Valley Bottom Lands

1,594 acre stock farm, \$20 acres in cultivation, 400 acres in meadow, 850 acre pasture. Four miles from railway station. Two miles of creek in pasture, with 100 acres of timber for shade. Three sets of buildings. One barn \$3x200. Best and cheapest stock ranch in Eastern Kansas. More thoroughbred horses have been raised on this ranch than any other ranch in the country. Offered for sale on account of owner's age. Price \$50,000; \$25,000 down. No trade. Dairy and stock farm 203 acres mostly bottom land in St. Clair County, Missouri. 149 miles southeast of Kansas City, on main traveled road, 2 1/2 miles from good railroad town, two story frame house of seven rooms, two large porches, bath and all modern improvements. Barn 56x56. Poultry house, Good orchard, telephone, and R. F. D. Fine shade trees. 80 acres in clover and timothy. Abundant springs and wells. 100 acres in cultivation, 20 acres of timber. Possibly the best dairy farm in St. Clair County, Missouri. Price \$12,000; \$5,000 down. No trade. 320 acres of alfalfa land. High bottom land, black alluvial soil twenty feet deep. 160 acres in cultivation, 40 acres in clearing, 40 acres prairie meadow, 40 acres timber, 50 acres in wheat. No buildings. One and one-half miles from large town. \$10,000. \$5,000 down. No trade. 160 acres second bottom land prairie meadow, no improvements. Yields two crops of prairie hay per year. Two miles from station. Price \$4,800.00. \$2,800.00 down, five years on balance at six per cent. No trade.

J. B. COOK, CHETOPA, KAN.

POLAND CHINAS.

Poland Chinas Select young boars, gilts, bred or open. Prices right. Call or address H. L. BROOKS, Larned, Kans.

Sunny Side Poland Chinas

Bred sows and spring boars for sale, priced right. Satisfaction guaranteed. J. G. Burt, Spilomen, Kas.

200 Head of Poland Chinas

To Be Closed Out in 90 Days. 100 early spring pigs, 70 summer and fall pigs, 30 brood sows by A Wonder, King Hadley, Big Joe, Long King's Equal, Big Defender, etc. Send for prices. HOWARD ZAHN, Concord, Illinois

THURSTON Poland Chinas & WOOD'S

The large, smooth kind. Full boars, handsome follows by U. Wonder by A. Wonder, also gilts by this great son of A. Wonder and bred to Orange led by Big Orange. Thurston & Wood, Zeandale, Kan.

GALLOWAYS.

GALLOWAY CATTLE and OXFORD DOWN SHEEP

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

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.

HIGH-GRADE HEREFORDS

90 head of high grade Panhandle yearlings and 50 head of good spring Hereford calves for sale. Write or wire for prices. C. J. SOLT, BARNES, KANSAS.

DAIRY CATTLE.

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. IBA ROMIG, Sta. B, TOPEKA, KANSAS.

DAIRY CATTLE.

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

Holstein Bred Cows and Heifers

"EIGHTY HEAD"
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, Kans.**

HOLSTEINS — **CHOICE**
H. E. COWLES, TOPEKA, KANSAS.

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

Guernsey Cows and Heifers
A few choice cows that will weigh 1,200 pounds and that will freshen in 40 days. Prices reasonable. **JACK HANCOCK, 226 Adams St., Topeka, Kan.**

HOLSTEIN CATTLE High grade Dairy cows and heifers sold in lots to suit purchaser. Special prices on car lots. The best of milking strains and at prices you can afford. Write today. **W. G. MERRITT & SON, Great Bend, Kan.**

OAK HILL HOLSTEINS
Bulls ready for spring service by Shadybrook Gerben Sir Korndyke out of A. R. O. sires. Heifers bred. Also a few fresh cows. All tuberculin tested. **BEN SCHNEIDER, NORTONVILLE, KAN.**

LINSCOTT JERSEYS
Only Register of Merit herd in Kansas. Choice heifers and cows at \$100.00 and up. Bulls \$50.00 to \$150.00. Breeding and individual quality the very best obtainable. **R. J. LINSCOTT, Holton, Kansas.**

H. F. ERDLEY & SON
Holton, Kansas
City Park Stock Farm
The Sunflower Herd Jersey Cattle imported and American Bred. Herd headed by *Castor's Splendid*, imported. Also general auctioneer of Farm and Livestock. Special attention given thoroughbred stock. I kindly solicit your sales and wants. Farm one-half mile east of Holton, Kansas. **PHONE 11 ON 38.**

SOMMER--BLATS GUERNSEYS!

Prince Fern of Old Orchard 22181, by the champion, Prince Rosendale Jr. (1914), out of the champion, Agnes Fern, chief stock bull. Females in Advanced Registry. Foundation from best New York, Wisconsin and Iowa herds. For sale: Bonnaville 16542, a tried sire, by Imp. Ithen Masher, also young stock in both bulls and heifers. Improve the quality and production of your milk by using a Guernsey sire. Call or write me your wants. **ERNEST KENYON, Nortonville, Kansas.**

HOLSTEIN Cattle

During the next 60 days I will sell:
125 High-grade, well-marked Holstein heifers, age one year to 1 1/2, just being bred to a high class registered bull.
250 High-grade, well-marked Holstein heifers, ranging from 2 to 3 years old, all bred to extra good registered bulls, to freshen from Aug. 1 to Dec. 1, 1913.
100 Matured cows, springing bag ready to freshen. Most of them in calf from registered bull.
40 Select, well-marked registered bulls, extra nice individuals, ages from 6 months up.
A few good registered cows in calf by an A. R. O. bull. Write me for particulars. **JAMES DORSEY, Dept. M. B., Gilberts, Kane Co., Illinois**

SHORTHORNS.

Scotch and Scotch Topped Cattle

Bulls, cows in calf, by **RICHELIEU 337749**. Bulls, cows in calf, by **Brawith Heir 351808**. We will sell the best of choice goods. Gallant Knight and Culyne on a Cruickshank Lavender foundation. Write for prices. **CLARENCE WHITE, Burlington, Kan.** (300 bushels of alfalfa seed for sale.)

Shorthorn Cattle

High class cattle, both Scotch and Scotch Topped. Both sexes. 2 yearling bulls; extra good. One by Baron Cumberland, the other by Silk Goods. Both red and large enough for a reasonable amount of service. S. C. R. I. cockerels. **DR. W. C. HANKEY, LENEXA, KAN.**

Pearl Herd of Shorthorns

Choice young bulls—last spring calves—either Scotch or Scotch-Topped breeding. Well grown and in good growing condition. Can ship via C. R. I. & P., A. T. & S. F., U. P., and Mo. Pac. Address **C. W. TAYLOR ABILENE, KANSAS**

he is offering them in pairs and trios at a much reduced price. He also writes that he is through with Reuben 1st and is offering him at the low price of \$60 which is surely less than half of his real value. Mr. Parks has the habit of putting a price on his stuff that sells it. Of his entire crop of spring pigs he only has one or two left and they would not have been on the place but for the reason that he wished to determine which one of two or three that he should keep for his own use, and he is now offering these other two at \$30 each. Of course the buyer that gets them will get, in Mr. Park's judgment the very top of his spring bunch at a very reasonable price. If anyone desires to visit Sunny Slope Farm, come to Lenexa, which is two miles from Sunny Slope Stock Farm or fifteen miles southwest of Kansas City. This is a beautiful farm lying in as good a country as there is in Kansas and it is stocked up with the very best Hampshire hogs known to the breed.

Baker's Championship Pounds.

We certainly feel like complimenting W. Z. Baker of Rich Hill, Mo., on his success in the state shows of this season on his Poland Chinas. This breeder is one of the youngest in age and as a breeder but he started right by buying a fine lot of hogs of C. Z. Baker, then of Butler, Mo. If we are correctly informed this herd has won more state fair prizes than any other big type herd in Missouri or Kansas and we believe it would be safe to say more prizes in 1913 than any other big type breeder and if this is true it should turn the buyers to Missouri for the real high class big type and of course the center would be at the headquarters for prize winners. Below we will give the prizes won by Mr. Baker: At Topeka, Kan., with E. E. Axline of Independence, Mo., judge; four firsts, five seconds, two thirds, one fourth and two championships. At Hutchinson with Jas. E. Kent, Kenny, Ill., judge; three seconds and four thirds. At Missouri State Fair, with Lloyd Mugg of Kokomo, Ind., judge; seven firsts, one second, one third and two championships. At St. Joe, Mo., John B. Lawson, Clarinda, Ia., judge; two firsts; three seconds and three thirds. American Royal with E. E. Axline, judge; six firsts, five seconds, one third and two championships. The above certainly is a mighty good showing when there are so many good animals out. The owner states his show record, with the report of the Capper Publications is bringing him in from four to a dozen inquiries a day. Mr. Baker bought 749,000 circulation in four of the Capper papers and he is highly pleased with the investment.

Publisher's News Notes

It will be of interest to our women readers to know that the Queen City College of dressmaking, 1209 Brooklyn Ave., Kansas City, Mo., conducted by Mrs. Sallie J. Smith is a thoroughly reliable school where ladies may learn to become proficient and successful dressmakers, ladies tailors, designers, etc. Over forty former pupils of this college have established schools of their own under the direction of Mrs. Smith. Attention is called to her advertisement in this issue.

Earn an Automobile.

Anyone over 16 years old has an opportunity to earn an automobile through Auto Tom, whose advertisement appears in this issue. The work is easy and respectable and requires only as much time as one can spare from regular duties. A handsome booklet, with full details of the plan, will be sent to all who ask by addressing Auto Tom at 651 South 16th St., Omaha, Neb. Kindly mention this paper.

Is Your Wife Proud of Her Table Cutlery?

If some of her women friends were coming to your house next Sunday for dinner, would your wife feel proud of the table cutlery and carvers she would have to set on the table? Your wife takes pride in these things just the same as you do in showing your farmer friends your fine stock and buildings. Buy your wife a set of Keen Kutter Table Cutlery and Carvers and she'll have mighty good reasons to be proud of them. The blades are made of the finest cutlery steel, edges cut like a razor and the handles are firmly secured and cannot loosen or crack. But be sure the Keen Kutter trade mark is on every piece, for that is your guarantee of quality—your guarantee that if the goods are not absolutely perfect, the dealer will refund your money. Keen Kutter Table Cutlery and Carvers are made by the Simmons Hardware Co., the leading hardware house for over 45 years.

The Studebaker Almanac.

A handy and useful little book for the farmer—can be had on application. The 1914 edition of the Studebaker Almanac is ready for distribution. Like an old friend it is always welcome and, this year, it is bigger, better and contains a greater wealth of information than ever before. The Studebaker Almanac has grown to be an institution. It is invaluable to the farmer with its wealth of hints on dairy, seed, fences, fertilizer, fruit, stock, grain, hay, implements, legal advice and household and farm notes. In addition there are the monthly tabulations and the weather forecasts. Studebaker's business primarily is to sell horse drawn vehicles and automobiles, but the house has been in business so long and is so close to the farmer that the information that comes under the Studebaker name is always well received and is always welcomed. Copies of this almanac may be secured from any Studebaker dealer or by writing direct to Studebaker, South Bend, Ind.

Reduce Your Feed Bills.

Cold Pressed Cotton Seed Cake is rapidly taking the place of cooked meal and hulls as tests made at the Mississippi, Kansas, Iowa, Texas and Nebraska Agricultural colleges have proven that the Cold Pressed Cotton Seed Cake is more superior to the meal and hulls. And another thing in favor of the Cold Pressed product, is that it is much easier to feed and is more cleanly. You do not saturate your clothes with fine yellow dust while feeding the Cold Pressed Cakes. The tests made at the Agricultural colleges proved beyond a doubt that for fattening stock of all kinds Cold Pressed Cake has no superior in the cotton products line. It gives the surest and quickest gains to fattening cattle, insures more milk from dairy cattle, more work from horses and mules, and produces better wool. The

Lookabaugh's Clearance Sale!

Pleasant Valley Stock Farm
Watonga, Okla., Tuesday, Nov. 4, '13
Grate cattle, hogs, horses, mules, jacks and jennets.

Farm machinery, tools, harness, all the equipment of a 2,500 acre farm and ranch goes in this auction for whatever it brings and on 10 months' time. This sale is made necessary by the increased growth of my

SHORTHORN BUSINESS

which will in the future occupy my entire time and attention. **A PLACE TO BUY JACKS**

The 16 1/2 hand, 4-year-old black jack, Caddo 50741, one of the best jacks to be sold this year together with two of his jack colts and three good jennets bred to him go in this sale, also 20 Brood mares, work geldings, and Mules, together with a fine span of young drivers by Rustic B and out of Riley by imported Jim Morgan.

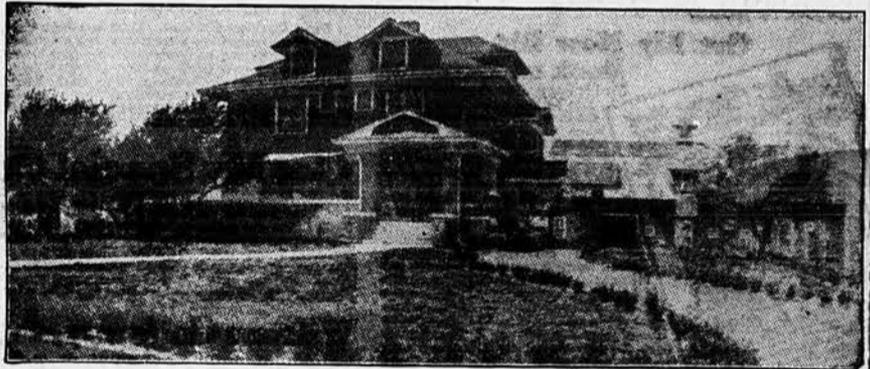
Write today for sale bill and make this date the time you visit Pleasant Valley Stock Farm and look over the Shorthorn herd you have been reading about in Farmers Mail and Breeze and tell me what you think of them and if you do not find as many or as good Shorthorns on Pleasant Valley Stock Farm as this paper has described I will refund your car fare both ways. Yours for Shorthorn Business,

H. C. LOOKABAUGH, Watonga, Okla.

PUBLIC SALE

Butter-Producing Jerseys of the Best Breed!

Vinita, Okla., Monday, Nov. 10, 1913



THE CHURCHILL RESIDENCE AND BARN.

Eighty head of Registered Jersey Cattle of Island breeding at **WINDSOR PLACE**, where one-fourth of all the registered **JERSEY CATTLE** in Oklahoma are owned.

Sixty of the eighty are three years old and under.

WINDSOR PLACE is the home of nine daughters of **GOLDEN FERN NOBLE**. (No better on either side of the waters).

Stock Journal fieldmen, high class breeders, and the general public flatter me by both saying and writing that **WINDSOR PLACE** is offering the greatest lot of young stock of popular breeding ever offered at Public Auction in the Southwest. Come, bring your neighbor and your neighbor's neighbor. Write B. C. Settles, Sales Manager, Pshawya, Mo., for catalog. Information cheerfully given. Sale under cover.

A. L. Churchill, Owner, Vinita, Okla.

E. R. Dorsey, Fieldman.

American Ice & Oil Company of Oklahoma City, makes Cold Pressed Cotton Seed Cake and, as this company's mill is located right in the heart of the cotton growing district of Oklahoma, they get the very best raw material which enables them to put out a high class product. If farmers and livestock men want to know more about this product, we would suggest that you get in correspondence with this company. Please mention this paper when writing.

An apple orchard makes a splendid run for poultry. It furnishes shade and protection, and the fowls can always find green food and insects among the trees. The poultry is also a great benefit to the orchard, because of their destroying the insects, most of which are harmful to the fruit.



WILLIAM GALLOWAY, President

I Want Every Reader of Farmers Mail and Breeze to Write Me for My Money Saving Catalogs

I want you, the man who is holding this paper in his hands right now, to write me **right away**. I'm making a special appeal to the readers of this Great Farm Paper. I've got something special to offer every one of you. I want you to get my catalogs **first**, because they are the first step in our getting better acquainted in a business way, on my direct from factory to farm, one-profit, money-saving plan. My catalogs are my only salesmen. They are the cheapest and best salesmen in the world. Just write me today for the catalog or catalogs you want. A one cent postal will bring them.

My Factory to Farm Plan Saves Farmers a Million a Year

You know what I've done in the past—**saved more money** for the farmers of this country and given them a **squarer deal** than any other manufacturer. That's why I have been able to build up a mammoth direct-to-farm business here in Waterloo in so short a time. Now, this year I'm going to break all my past records. And I'm going to do it by putting some special propositions right up to the best farmers in the country. I'm going to make you some offers that are so unusual that you **simply can't get away from them**.
Over one hundred and thirty-five thousand farmers know by actual experience that the **Only Way** is the Galloway, **Selling Direct from Factory to Farm**, and I want you to give my plan a trial. I want you to at least investigate it by sending for my catalogs which tell all about my plan. I want to show you just what a man can do for you when he will sell you direct from his own factories to your farm. I want you to see for yourself what an amazing difference it makes in prices when you don't have to pay one single middleman's profit. Write me; you won't be under the slightest obligation. I'll show you how you can save hundreds of dollars in the next year alone. I'll give you the evidence, then let you decide. Just mail me a postal or letter for the catalogs you want right now.

Just a Personal Word from William Galloway

I HAVEN'T any secrets about my business. The more my farmer friends know about my affairs the better I am satisfied. I've made good, but I know that every bit of my success is due to the fact that every single man who does business with me has found that he can trust me absolutely.

I'm a farmer myself, a dairy farmer. Always have been a farmer and always expect to be. The picture below shows my big dairy barn, two money making silos, manure granary where we keep the manure produced by one hundred head of thoroughbred Holstein and Ayrshire cattle in at perfect condition as possible for getting the full value of it when spread on the land. You can see some of my Ayrshire cattle in the picture and a Galloway Low Down Spreader just ready for the field.

I was born and raised on a farm and I know what you're up against when it comes to buying right. Because I've been through the mill myself. That's why I got into this business. I used to sell farm implements for other people. I didn't keep at it very long because I saw with my own eyes every day the actual evidence that a farmer simply couldn't get a square deal and his money's worth so long as he had to pay a lot of middlemen's profits which were always loaded on to the real value of the goods.

I made up my mind to see if the cheaper and better way wasn't to manufacture my own goods—making them just the best that they could be made—and selling them direct to the farmers at a special factory cost with only one very small factory profit added. I started out in a small way because I didn't have much money. But it didn't take long to prove that I didn't have much money. But it didn't take long to prove that my faith in the intelligence and buying judgment of the men on the farms was founded on solid rock. My business has been tremendous right from the start. My profits have been small—smaller than almost any other manufacturer in the country. And I'm going to keep 'em that way. I'd rather make a small profit and sell a lot of goods than a big profit on a few goods.

Naturally the dealers don't like me very well, for I stand in the way of their big profits. That's why a lot of them have gone out of their way to misrepresent my business. They can't do that very well any longer, now, for I've made a \$5,000 Challenge Offer to any man or company in the world who can prove that every word of Galloway's story is not true right down to the last detail, or can disprove that my factories are not exactly as shown, or can disprove any statement or claim I make. I'll send you a copy of this challenge offer when you write me. Besides that, I protect every single man who does business with me with a \$25,000 Cash Guarantee Bond that the United States government. Now I want you to find out just what all this means to you in **cash**, hard cash. I've enlarged my line tremendously for 1914. I am offering more bargains and bigger bargains than I have ever been able to before. I want you to get the proof for yourself.

Get My New Big Book of Bargains



My big General Merchandise catalog has 1000 or more bargains for the farm, home and family. You want to get a copy of this big book without fail. You will simply be amazed at the wonderful price and quality bargains I am offering you in this big book. It contains a full line of farm machinery, tools, buggies, harness, grinders, household furnishings, furniture, carpets, rugs, linoleums, draperies, curtains, refrigerators, dishes, sewing machines, musical instruments, watches and jewelry, clothing for men, women and children—everything at the same amazing rock bottom prices and on the same wonderfully liberal plan—satisfaction or your money back. My new big catalog is just out with the latest of everything. It's free. Send for it right away.

My 5 h. p. Stationary Gasoline Engine \$99⁵⁰

Can you beat that price? Never! Yet I am making prices all along the line to equal it. My 13-4 H. P. Air Cooled Boss of the Farm Engine sells for only \$25.75. My 2-1-4 Little Wonder at only \$28.50. My 6 H. P. Stationary at only \$109.75. My 7-1-3 H. P. Stationary at \$179.50. My 10 H. P. at \$247.50. My 15 H. P. at \$342.50. Can you beat these prices? Never! You can't equal them, for they are the lowest ever made in the history of this country on a strictly standard, high grade gasoline engine.

Listen! Before I came on the market a few years ago with my famous 5 H. P. engine, dealers were asking for inferior engines of same size from \$250 to \$325. I have forced them to come down on their high prices but they are still clear out of range of my amazing low prices. Yes sir, on my direct from factory plan, I'll save you \$50 to \$300—Depending on the style and size engine you buy, and I guarantee to give you as high a grade an engine as there is on the market regardless of price.

I'll Save You \$50 to \$300

Here is just the sort of offer I make you and have made the more than 30,000 Galloway engine users today. You send for one of my engines, any one of my nine different styles or sizes, either mounted on trucks, with wood sawing outfit or stationary. Remember, you have five different plans on which you can buy, cash, bank deposit, two note plans and installment. When you receive my engine give it any kind of a test you want to, run it right along side any other make on the market. Do this for thirty days entirely at my risk, and keep the one that suits you best. Every Galloway engine is sold on 30 days' Free Trial backed by a 5 year warranty on materials and \$25,000 legal bond. You take absolutely no risk when you try one; if the engine you buy isn't perfectly satisfactory you can return it and I will refund your money and pay all the freight charges. Isn't that a fair, square offer? No one can make you a fairer one, can they?

Free Service Bureau. Then you have the services of a big corps of engine experts always at your service who will assist you in installing your engine. They'll tell you how to use it to best possible advantage for your work, best size pulleys to buy, line shafting, etc. This service costs you nothing. It's a part of my plan. Now, don't wait, write me. Get my engine catalog. Mail me a letter or postal asking for it today. It explains my entire plan and gives my new, low, unequalled engine prices.

My Complete 50-60 Bushel Spreader Only \$64⁷⁵

That's my new low price. Can you beat it? Not by any means. My price includes truck, spreader box, force feed, whiffletree, and neck yoke—everything complete. If you only want my wagon box spreader, I'll sell you a guaranteed attachment spreader for only \$39.50.

Nine different styles and sizes to select from. My new, low-down, semi-underlying spreader is a wonder. Don't buy a catalog and new low spreader prices. You can't afford to, because I'll save you \$25 to \$45 on the lightest draft, largest capacity, best built, two horse spreaders on the market. Let me prove it to you. I'll make you this unheard-of offer. Try one 30 days on your own farm, with your money in your own pocket, no bank deposit, no notes, a strictly free trial offer. Give my machine any kind of a test you can think of, then keep it or send it back; if it doesn't suit you. You take no risk whatever. Over 40,000 Galloway Spreaders in use today. Get my new special manure spreader offer. Just write me today for new spreader catalog. Do it without fail.

My New Galloway Sanitary Cream Separator Only \$42⁵⁰

This is the machine it has taken us three years to perfect and build. It's in a class today by itself. It's the most modern, most sanitary and closest skimming machine ever invented. It's the easiest to run, easiest to clean. Gearing runs in a constant bath of oil. Requires oiling only once a month. I want you to know more about this incomparable Galloway Sanitary Cream Separator. Get my catalog.

The new Galloway Sanitary is built in three sizes—500-750 and 950 lbs. capacities. My prices are \$42.50—\$51.00 and \$63.50 respectively. The lowest prices ever made on a standard large capacity, high grade cream separator. Remember, I'll save you \$35 to \$50 over what you would have to pay a dealer or agent, for an inferior machine. Write me today without fail. Get my new low prices. Get my big illustrated cream separator catalog. A postal will bring it.

Get My Special Cooperative Profit Sharing Offer

I'm ready to help you dairy farmers to put money right in your pocket. I'll prove that I can do it. You are going to buy something that I can save you a lot of money on, within the next few weeks. Get my prices, learn more about my direct from factory plan before you spend another dollar for anything for the farm, home or family. When you send for my catalogs I will explain my new co-operative, profit sharing offer to you. This new plan of mine will help you get your machine partly or entirely without cost to you in the end. I'll tell you all about it in a personal letter when you write for my free books. Get this sure. It won't take you a minute. It may mean hundreds of dollars to you this year alone. Write for my catalogs and my special offer before you lay this paper down. Do it now. Address

William Galloway, Pres. WILLIAM GALLOWAY COMPANY
47 B Galloway Station WATERLOO, IOWA



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DIRECT FROM FACTORY TO FARM