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The FARMERS MAIL AND BREEZE

Vol. 44.

November 28, 1914

No. 48.



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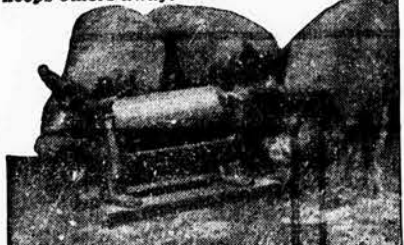
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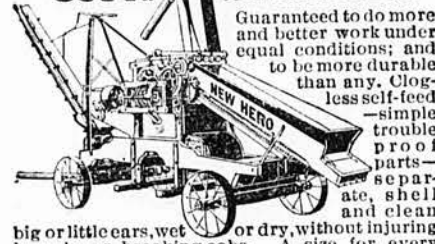
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Where Township Money Goes

One Trustee Will Print a Weekly Expense Account—Farm Doings

BY HARLEY C. HATCH

WHERE the money raised by taxation goes, is a question that puzzles many taxpayers. A large amount of money is regularly raised and expended, and few can say what it was expended for. To keep such inquiries fully informed in this township next year, our trustee-elect promises to publish weekly, in our Gridley paper, an account of just how much money has been paid out during the week and just what it has been spent for. This seems a good idea to us; it may not lower our tax rate but it will at least give us some idea where the money is going.

Dragging the roads after heavy rains cannot have too much said in praise of it provided the dragging is done right. To do it right, we think, means on every road two rounds with a drag. The bad effects of single-round dragging are now beginning to be seen on many of our roads. It makes a ditch on each side of the road, just the width of the drag from the center, and we can show you a number of miles of road here which have been narrowed to the width of two rounds of a drag, simply by continued one-round dragging. Dragging should begin at the ditch if the roads are to be kept full width.

Corn husking has progressed far enough on this farm so that we know we shall have the cribs full and more besides. The effect of the August drouth is to be seen in shortened ears but we haven't much cause to complain when we consider the price.

When the dry weather set in last August this part of the country had a promise of fully 50 bushels to the acre. When it failed to rain for 30 days that promise was cut down nearly half. On the better soil on this farm we are picking an average of 35 bushels to the acre; on the thinner soil 25 bushels about states it.

Not so much feeding will be done this winter as usual. Two things conspire to cut down feeding, one being the high price of feeding cattle and the other the shortage of money. Usually a feeder can get all the capital he wishes, to buy both cattle and corn but now money seems to be scarce. Last year money was plentiful and feed scarce. Conditions are exactly reversed now.

Were the usual amount of feeding being done, corn would now be selling quickly in the country at 60 cents a bushel, but as feeders are not in the market the corn has to be sold in town. Prices paid here vary. At Strawn they are paying 58 cents, at Hartford 57 cents and at most other markets 55 cents. There should be no such variation in prices for the Kansas City market justifies nearly 60 cents at any country market in eastern Kansas. Good white corn brings 68 cents in Kansas City and we have plenty of that kind here for sale.

It seems that all the crows in the United States north of Coffey county have arrived to spend the winter with us and to try some of our justly celebrated kafir with feterita and corn as side dishes. This multitude of crows did not spend the summer here but came in on that cool north wind which arrived about 10 days ago. We don't know whether they intend to stay all winter with us or not; if they do it means we shall have to get busy and top the kafir if we wish to have any chicken feed next summer.

A bounty paid by the county reduces the number of crows during the summer and so saves the young chickens, but the bounty has no effect in lessening the number which spends the winter here. When they arrive in such numbers as they have this autumn it becomes a really serious matter, for when there are literally thousands of crows living in a few sections it requires an immense amount of grain to keep them. The crows have their roost in the timber on a neighbor's farm, and the boys are planning to make nightly raids on them as soon as work slackens a little.

We have been told threshers in this part of the country charge \$2 a bushel

for threshing Sweet clover, rather a high price. We have had clover threshed a number of times and have never paid more than \$1 a bushel for it. Sweet clover should run out even faster than clover, for it is usually well loaded with seed and threshes easily. A common grain separator will not hull the seed well enough to sell it on the market. It has to be hulled after the thresher finishes with it. Here a number of farmers who raise Sweet clover hull the seed by running it through a feed grinder after which it is cleaned in a fanning mill.

A farmer living near here who thought \$2 a bushel too much to pay for threshing Sweet clover tackled the job by hand. For a flail he used a pitchfork and with it threshed the clover in a tight wagon box. His wife helped him, and on the first day the two threshed out 8 bushels, which made big wages for the work. Hand threshing does not take the hulls off quite as well as a separator but as it has to be hulled again in either case this makes no difference. We have been told that the demand for this seed is still good and that high prices will be paid for it another year.

This week our oil man made what he said was to be his last delivery so far out in the county this winter. So we stocked up on kerosene and gasoline. Contrary to what many thought when motor cars became so numerous, oil prices are on the down grade. For good kerosene, delivered at our door, 8 miles out in the country, we paid 6 3-10 cents a gallon or \$6.30 a hundred gallons. For gasoline, delivered, 11 2-10 cents a gallon was paid. We could not but compare this with the old days when we took our 1 gallon tin can to town and had it filled with poor kerosene at 25 cents a gallon. Every farmer then depended on his 1 gallon can for light and often that can was not filled more frequently than once every two weeks. Now kerosene is cheaper summer fuel than wood if the wood is given you for cutting it.

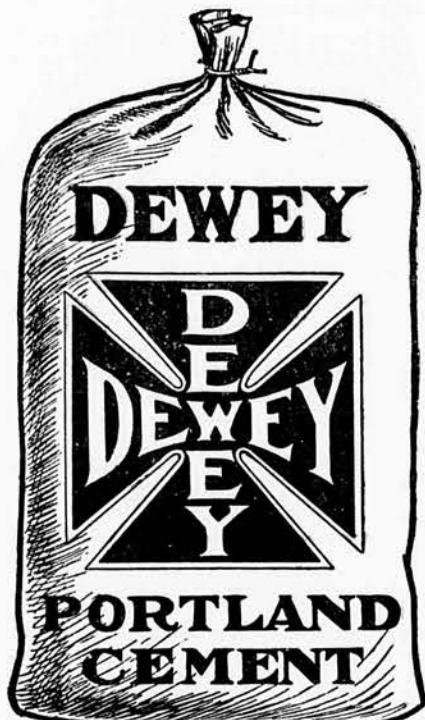
The Hedge and Weed Law carried by a big vote in this county at the recent election. If it is enforced it will be a good thing even if it does work a certain measure of injustice. There is injustice in making the landowner cut the weeds along the road when the road is taken from his land for the use of all the people and not for his exclusive benefit. We cannot see why the farmer whose land marches with the road should be compelled to keep the weeds along that road cut, any more than he should be compelled to grade the road at his own expense. But we think most farmers will lay aside this view of the matter and, for the general good, will keep the weeds along the road adjoining their farms cut. In these days of motor cars, tall hedges make certain road corners very dangerous and such hedges should certainly be kept down to 4 feet. Where hedges are cut down to 4 feet the road will dry much quicker. It will also be cooler driving there in the summer and, what is not so good, very much cooler in the winter.

Large Cash Prizes For Corn

Corn growers who produced some extra fine ears this year will be interested in the corn show to be held at Whitesville, Mo., December 7-10, 1914. More than \$1,000 will be given in premiums and special prizes. The show is open to everyone. Len A. Saunders, Bolckow, Mo., is the secretary.

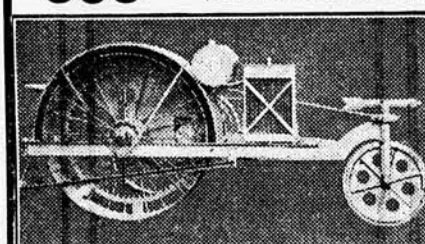
The cash prizes range from \$100 to \$5. They are as follows: Best single ear, \$25. Grand champion 10 ears, \$50. Best 100 ears of corn, \$100; second best, \$50; third, \$10; fourth, \$5. Best 10 ears yellow corn, \$25; second best \$15; third, \$10; fourth, \$5. Best 10 ears white corn, \$25; second best, \$15; third, \$10; fourth, \$5. Twenty ear exhibit of yellow corn, \$15, \$10 and \$5. Twenty ear exhibit of white corn, \$15, \$10 and \$5.

If all of us were to work as hard raising good crops and livestock as some of us do raising the dickens, what a profitable business farming would become!



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THE FARMERS MAIL AND BREEZE

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



Volume 44
Number 48

TOPEKA, KANSAS, NOVEMBER 28, 1914

Subscription
\$1.00 a Year

Beef Cattle Pay Well

Livestock Farming Has Been the Ideal on the
Ferguson Farm at Valley Falls Since 1856

By F. B. Nichols, Field Editor

"OUR farming operations are based absolutely on livestock. I believe the largest returns can be obtained here only by feeding all the crops to profit-producing animals. Grain farming in northeastern Kansas has failed to maintain the soil fertility, and more than this it has not given good profits. Well-bred livestock, good crop rotations and more legumes are the big needs here."

That is the opinion of E. E. Ferguson of Valley Falls. He is operating the 320-acre Longview Farm, two miles from that town. Hogs and baby beef are the leading lines. In addition some older cattle are fed; there are 19 steers on full feed now. Five or six colts are produced every year. There is a breeding herd of 35 high quality Shorthorn cows, headed by a purebred bull, to produce the calves for the baby beef feeding. This herd will be increased to 50 head.

The Longview Farm has been owned by the Ferguson family for three generations; Mr. Ferguson's grandfather bought it in 1856. Ever since the land was broken the aim has been to base the farming operations on livestock; careful attention was paid to the conservation of fertility from the start. As a result, the crop yields have been well maintained, and the fields have not been included in the area in northeastern Kansas that has declined so seriously in crop producing ability. The maintenance of the crop producing power has come as a result of careful study; Mr. Ferguson took a special course in animal husbandry and agronomy at the Kansas Agricultural college.

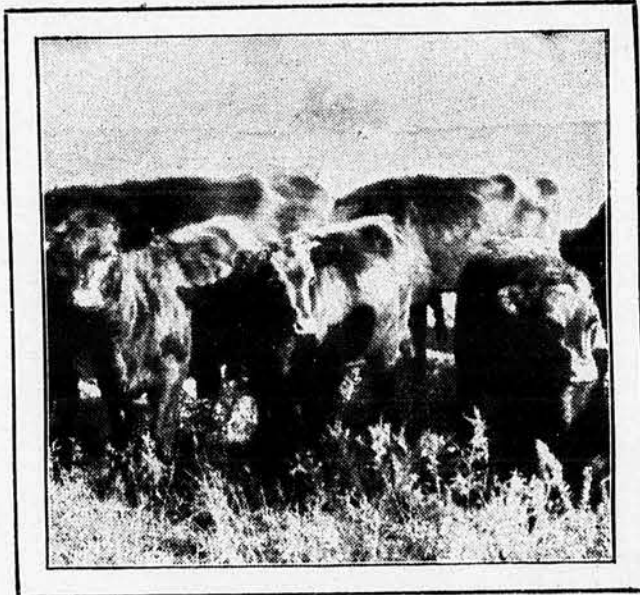
Almost all of the land on the Longview Farm can be plowed except in a few places where the limerock outcrops. The soil is a loam which has come largely from the decomposition of limestone, and it is very fertile. It is well adapted to the production of alfalfa and bluegrass, as both crops are especially fond of limestone. As a result it is possible to get high yields, and this, in connection with the beneficial effect from a soil fertility viewpoint that a few years in pasture gives, has made it possible to keep \$125 an acre land in grass. About 110 acres of such soil is in pasture now, the growth being largely timothy and bluegrass. A little less than two acres is allowed to a cow and her calf for the season, and it is possible, with the good care given the pasture, for it to produce plenty of feed with this allowance of land.

An unending and merciless war was declared on the weeds in this pasture many years ago. Mr. Ferguson goes on the theory that a pasture is intended for the production of grass, and grass alone, and it is managed with this end in view. What weeds do come are mowed in July or August, with the cutterbar of the mowing machine placed high, so they will be killed without serious injury to the grass. This allows all the moisture at that time of the year when it is most apt to be deficient to be used for the grass. And more than this, there is no burning off of the grass land in the spring. Instead the growth is left on the soil to decay and to form humus, to still further increase the moisture-holding and grass-producing power of the land.

Treatment of this kind in connection with the limestone soil makes the pastures very high in feed producing ability. It is no wonder that this grass, in connection with the pure water, allows the animals to make rapid gains. This bluegrass growth is available until very late in the fall; the system used allows more of a winter growth than is



Earl Ferguson and His Driving Horse



Some of the Baby Beef Calves



Evergreen Trees, Set Many Years Ago, Surround the Home

possible on the average bluegrass field. The animals can get considerable feed on this pasture as late as the latter part of December.

As all the growth produced by this grass land is returned to it, there is a considerable accumulation of available fertility. Much of the fertility goes back in the form of manure, and all the growth that is not eaten goes to make humus. It is true that there is a slight loss of mineral elements in the bones of the animals, but the loss in this way is so slow that it will take a long time for it to seriously affect this limestone soil, with its remarkably high proportion of mineral elements. The pasture land is plowed up from time to time, and other land is placed in pasture, which allows a gradual rotation over the farm.

Alfalfa also is used as an aid in maintaining soil fertility, there now being about 35 acres of this crop growing on the place. Mr. Ferguson expects to increase this acreage very materially. Little trouble has been encountered in getting a stand and the yields have been high; these results usually are obtained, however, on land strong in lime. Alfalfa is the most profitable general field crop on this farm.

Alfalfa has been sown in the fall and spring, but the best results usually have been obtained from August seedings. No matter which time is used, the aim is to make the seedbed very firm. A man should go on the theory, Mr. Ferguson said, that a compact seedbed is essential in getting a stand of this crop—and if he gets a stand on a loose seedbed he can record it as an accident. Fifteen pounds of good seed an acre is used, and care always is taken to see that this seed is pure, and that the germination is high.

Much care is taken with the harvesting of the alfalfa hay, for it is especially desired to make it high in digestible protein, so it will have the most value as a feed for the baby beef and the hogs. It is cut as the new growth is starting—if it is left much longer than this it becomes woody rapidly. Much of the curing is done in the windrow; the aim is to rake the hay just as soon as it has become well wilted. When the plants are cured in this way, Mr. Ferguson said, bleaching is prevented, and all the leaves are saved. The hay is stored under cover, so there will be no loss from weathering.

Corn, wheat and oats are the leading grain crops on this farm. The aim is to rotate them with the pasture and the alfalfa, so the humus content cannot become lowered through continuous grain cropping. All the manure is hauled to the fields promptly, so there is but little loss. The buildings are placed on a high part of the farm, so most of the wash from the land around them is carried down on the fields.

The leading line on this farm, perhaps is hogs, as Mr. Ferguson is especially interested in them. The Duroc-Jersey breed is kept, and there are 12 sows and about 100 younger animals on the place now. This is somewhat less than usual, but there was some trouble from disease about a year ago, and it was necessary to sell off most of the herd. The aim is to keep from 20 to 25 sows, and to breed them twice a year.

Some especially good results have been obtained some years in the hog feeding operations. Two years ago, for example, two carloads of hogs were fed. One of these loads made the high price record on the day when Mr. Ferguson got them on the

(Continued on Page 17.)

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

Entered as second-class matter Feb. 18, 1906, at the postoffice at Topeka, Kansas, under act of Congress of March 3, 1879.

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The Farmers Mail and Breeze

Member of Audit Bureau of Circulations.

Published Weekly at Eighth and Jackson Streets, Topeka, Kansas

ARTHUR CAPPER, Publisher. T. A. McNEAL, Editor.
CHARLES DILLON, Managing Editor. A. L. NICHOLS, Associate Editor.

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Passing Comment—By T. A. McNeal

Horses Likely to Be Scarce

If the present European war continues as long as the present prospect indicates, there certainly will be a dearth of horses over there next year, which must be supplied largely from the United States. There also will be a shortage of cattle but that is not likely to be so marked as the shortage of horses for the reason that the cattle are not being slaughtered on the battle line and then too, after this wicked war is over there will not be many persons over there who will be able to buy beef.

However, horses will be absolutely necessary to repair the waste of war. The farmers of Germany, France, Australia and Russia must have horses. There is every reason then to suppose that both horses and mules will bring a good price next season.

Wants Farmers to Quit Raising Hogs

A reader of the Mail and Breeze suggests in view of the prevalence of hog cholera, that farmers quit raising hogs for a few years until the hog cholera germ is exterminated for want of anything to feed upon.

Of course the suggestion will not be followed except in individual cases, because the world demands a vast amount of hog meat and that demand will somehow or other be supplied.

When the individual farmer becomes convinced that it does not pay him to raise hogs, he will quit without any suggestion from the outside. In the meantime it is well to keep up the fight on the cholera germ more determinedly than ever.

As hog meat gets more expensive it will pay farmers to take better care of their swine. My opinion is that if hogs were always kept in clean, sanitary places the mortality from cholera would be decreased by half, and in time wiped out altogether. The trouble with a good many farmers is that they seem to think any place is good enough for a hog. The assumption that a hog loves filth is a mistake. As a matter of fact the hog likes a clean, dry place to sleep and he ought also to be protected from extremes of heat or cold.

The City Water Works

The city of Topeka has successfully operated its city waterworks plant. I say this without hesitation although I know that there has been some complaint from small consumers and with reason.

When the city took over the old waterworks system it paid for the plant twice what it was really worth. I am not complaining about that particularly because under the circumstances it looked as if that might be as well as the city could do, but along with the old plant the city continued in operation the old system of charges, which is unjust. The charges for water furnished range from 9 cents a thousand gallons to 35 cents a thousand, depending on the amount of water furnished.

Now one of two things is true: Either the city cannot afford to furnish any thousand gallons of water for 9 cents or else the persons who have to pay 35 cents for one thousand gallons pay a great deal more than the cost.

There are certain fixed charges that necessarily go with the furnishing of water to each consumer regardless of the amount consumed. For example, each meter must be read each month. It costs just as much to read the meter of a consumer who uses only one thousand gallons of water a month as it does to read the meter of a consumer who uses 100,000 gallons or 1 million. Therefore each consumer should pay the same meter reading charge.

The city waterworks department sends out each month a card notifying each consumer of the amount of water consumed by him and his bill. The card to the small consumer costs just as much as the card to the large consumer. There must be an entry made on the books of the city for each collection, therefore the bookkeeping for the small consumer costs as much as for the large consumer. There should therefore be a careful estimate of these fixed charges; the cost of reading the meter; the cost of sending out the notification charge and the cost of making the entry or entries on the books.

I do not know what these several items amount to, but let us suppose for illustration that the cost of reading meters is 10 cents a meter a month. The cost of printing and mailing the post cards is, let us say 2 cents for each consumer and the cost of book-

4 (1564)

keeping 2 cents each consumer a month. Then the total fixed charges for each consumer a month would be 14 cents for these three items. Assuming that I may have overlooked certain necessary fixed charges I will add 6 cents a month to cover them. That would make a fixed charge for each consumer of 20 cents a month. Now it does not cost any more to pump one gallon of water through the pipes than any other gallon. It does not cost any more to pump the first thousand gallons after the fixed charges have been taken care of than it does to pump the last thousand gallons, and the small consumer after he has paid his proper share of the fixed charges should not pay any more a thousand gallons than the large consumer.

When the waterworks were privately owned there was a reason for giving the big consumers the advantage, because the waterworks were being operated for profit, but with municipal ownership profit is supposed to be eliminated.

If the average cost of pumping water is 15 cents a thousand gallons then each consumer should be charged first his fixed charges which I have assumed for purposes of illustration are 20 cents a month, and then he should be charged just 15 cents a thousand gallons whether he uses a thousand gallons or a hundred thousand.

In my own case I see from the meter reading that I am charged with having used about six thousand gallons of water in a month. For the first two thousand gallons I am supposed to be charged 70 cents; for the next two thousand I am supposed to be charged 60 cents and for the next two thousand gallons I am charged 52 cents. This water was pumped into my house from day to day, not all at one time. It is ridiculous to say that it costs 18 cents more to pump the last two thousand gallons through the pipes than it did to pump the first two thousand gallons on different days. I should be charged first with the fixed charges I have mentioned, say 20 cents, and then the actual cost a thousand gallons for what I use.

It will be observed also, that under the sliding scale the small consumer not only pays more than his share even if the computation is fairly made but he is apt to get the worst of it on the computation. It is bothersome for the bookkeeper to separate the thousands and he is apt to compute all moderate amounts of water at the one price and that is the highest rate.

I am strongly in favor of municipal ownership of public utilities but under municipal ownership the old profit-making idea should be eliminated entirely and every citizen should be treated exactly alike.

In Regard to the Homestead

Editor The Farmers Mail and Breeze—I would like to ask in regard to a woman proving up on a homestead that her husband had taken. Has she a right to sell that land without the consent of the children or their names on the deed? Is a deed of that kind good? Will it stand in law?

E. A. J.

A wife has a right to prove up on a homestead that was taken up by her deceased husband. When the patent to the homestead is issued to her it is her property and she has a right to give a deed to it without the consent of her children. Such a deed will convey a good title.

This is a different case from that of a homestead that has been left by the husband after he had secured the title. In that case the homestead would go to the wife and children equally and the widow would have the right only to sell her undivided interest.

Cheaper Light

For some time the city of Topeka has owned a municipal lighting plant which furnished the lights for the streets of the city. While I am informed by the light and water commissioner that this city plant is not entirely up to date it is furnishing a valuable object lesson.

A careful computation has been made of the cost of light to the city furnished by this municipal plant. In this calculation cost of up-keep and depreciation in value of plant has been carefully reckoned. The estimate shows that the city plant furnishes light at a cost approximately of 2½ cents a kilowatt hour. The citizens of the town are buying their electric light for their private residences and business houses at a cost to them of 10 cents a kilo-

watt hour. Some consumers may be favored with special rates but that is what we common plugs have to pay for our lights.

If the city plant can furnish with its limited plant, and that plant not entirely modern, light at one quarter the price paid at present by private consumers to a private corporation, it is reasonable to suppose that with an enlarged and thoroughly modern plant, light could be furnished for that price to all the citizens. The overhead charges of a plant large enough to supply the whole city and all its citizens who use electric lights, should be less in proportion than the overhead charges necessary in running a small plant.

The city should own and operate an electric lighting plant of sufficient capacity to supply all the inhabitants with light and that light should be supplied at actual cost.

Defends the Banks

Editor The Farmers Mail and Breeze—For years I have read your Passing Comment in the Farmers Mail and Breeze with much interest. While I am far from agreeing with all you say in those articles I feel that for the greater part we agree.

However, for many weeks, in almost every number you have taken a shot at the banking interests of our country. Now, that is your privilege, and I have reasons to think you want to be fair in your discussions. I may not fully understand all that you say regarding the banks of our land. And it may be that other readers get only what you are saying regarding banks of special privilege. The banking interests may or may not be running this government. I want to speak in behalf of Kansas banks.

For years and years the cost of living has crept steadily higher and higher. The cause has been attributed by some to one thing, by some to another. The clothing we wear is more costly than it was ten or fifteen years ago; the food on our tables is higher than it once was; the shoes on our feet have doubled in cost in the past twenty years; the machinery on our farms is higher than formerly; our taxes have mounted higher and higher. What has not been advanced on us in these days of the high cost of living? The interest on the money that we borrow from the Kansas banks! During all the years the high cost of living has been creeping upon us the Kansas bankers have contented themselves with their rates of 5, 6, 7 or 8 per cent. Rates on real estate have advanced 1, 2, 3 per cent the past few years. This has been done by the larger insurance companies. The banks of Kansas maintained the same rate, even though the securities were wasted, and another crop failure meant certain ruin.

I am not contending that the moneyed interests of our land are not fastening their fingers at the throats of the public, but I do feel that Kansas bankers are not shown up in their proper light. The interests of the Kansas farmer and the interests of the Kansas banker are mutual. The interests of the Kansas business man and the interests of the Kansas banker are the same.

Russell, Kan.

JOHN P. RUPPENTHAL

I have no quarrel with the Kansas bankers, or with bankers in general for that matter. I think the bankers of Kansas and I presume of the country generally, will average up with any other class of citizens in the matter of integrity and general good citizenship. Furthermore, I would not for a moment withhold from them the credit they have in many instances deserved for the help they have afforded citizens in their communities who were in hard lines. I personally know of cases where settlers would have gone to the wall and been financially ruined if it had not been for the fact that the local banks carried them until such time as they could grow a new crop, or enabled them to wait until there was a better market for their stock. In the case of merchants the banks have carried them until the tide turned and they were able to collect their outstanding accounts.

I do believe however, that our monetary system is wrong. I also believe that the new and much vaunted banking and currency law has within it the possibilities of the most far-reaching money trust this country has ever known. I believe that it has the possibility in it of not only creating the greatest financial trust the country has ever known but also the most far-reaching and powerful political machine ever built. It may be that the power will not be abused, but if not it will be contrary to the common experience of mankind.

The greatest reason for the establishment of a democratic form of government was the fact that power concentrated in the hands either of individual monarchs or of limited oligarchies always had been abused.

I believe that the sole function of money should be to facilitate the exchange of those products that are necessary to the life and well being of individuals

or which, while not actually necessary, contribute to their comfort, happiness and culture.

I believe that it is a proper function of government to issue the money necessary for such exchange and that it should be furnished at cost through banks established by the government. I believe that money should be just what I have said, a medium of exchange and that the metallic redemption theory should be abandoned.

Now I may be mistaken in my theory. I trust that I am sufficiently open minded to listen to reasonable criticism. In fact I may say that my opinions on this subject have completely changed within a few years.

A Government Currency Needed

Editor The Farmers Mail and Breeze—Your "passing comments" on war, currency and political parties seem to me to be the best I ever have read. You sum up the situation when you say the people have not got what they have expected. They never can get much relief as long as the credits of the world are based on a single gold standard. The structure is too stupendous for the foundation. After this old world conflict is over it must collapse.

Here is a form of currency that seems to me to be solid and enduring:

.....
\$100.00 WASHINGTON, D. C. \$100.00
The United States of America will pay to the bearer ONE HUNDRED DOLLARS at any reserve bank. This note is a full legal tender for all debts public and private and receivable for taxes, customs and interest on the public debt, and is secured by first mortgage on real estate at 50 per cent of its assessed value.
.....

Here is a currency, every dollar of which could look its holder in the face and say, "I know that my redeemer liveth." The government could lend it to the farmers on 30 years' time at not more than 3 per cent interest, payable semi-annually and derive an immense revenue, enough to pay the national debt. The mortgagee in paying his interest would have the satisfaction of knowing that he was a sharer in the proceeds. In a word, it would be simply socializing finance. When a mortgage was paid off that much of the currency could be destroyed and the farm would be free from incumbrance. The loan should be made direct through the postoffice department on receipt of a certified abstract. The funds now invested in real estate securities could seek other forms of investment and relieve the financial situation in all lines of activity.
J. W. SAIN.
Kingfisher, Okla.

Rejoices Over the Result

Editor The Farmers Mail and Breeze—Hurrah for Colorado! We are going to get rid of the saloon. Prohibition carried by 7,500 in the recent election. That is wonderful, considering how wet Colorado has been. The old saying, "The way Denver goes the state goes," did not hold good this time, as Denver went wet by over 9,000, but the whole state went dry by nearly that majority. Washington, Oregon, Arizona and Colorado went dry by nice majorities. We will soon have the required 36 states to carry national prohibition.

Our little town had two saloons at the time of the election and it surely stirred a commotion in Lucifer's camp when it was found that they would have to close up in thirty days after the election. They thought they could hold open till New Year's at least. The boozers even threatened the temperance people who drove out the saloons, but that is the old story of history repeating itself.

The abominable lies that the boozers told about poor "bleeding Kansas," of how poor she is without the saloon, did not hold good among the decent people of Colorado.

Those of us who are from Kansas are indeed glad that Arthur Capper was elected governor. Colorado also elected a Republican and a good dry man at that.
C. T. YODER.
Olney, Colo.

I am delighted on account of the prohibition victory in the states of Colorado, Arizona, Oregon and Washington, but the temperance people of those states must not delude themselves with the belief that the fight is won. Judging from the experience of Kansas the fight has only fairly begun. Twenty-five years after the adoption of the prohibitory amendment in Kansas joints were running openly in half the towns of the state of more than two thousand inhabitants and even now after thirty-four years, there are spots in Kansas that are pretty moist.

It may be that the battle will not be so long in Colorado as it has been in Kansas, but I believe it will be. In all probability Denver, Pueblo, Leadville and maybe other cities will be infested with joints. Officers will be elected who will wink at law violations or perhaps side openly with law violators. Weak kneed temperance advocates will be ready to quit the fight. Business men will pander to the saloon element in order to get their trade. It will not be surprising if the fight against the enforcement of the law is even more stubborn than it has been in Kansas, for the reason that the liquor interests are more frightened than they have ever been before and they are going to stop at nothing to discredit prohibition and stop the spread of it if possible.

The temperance people of the states that have just adopted prohibition may as well make up their minds that they have the fight of their lives still before them.

Some Tax Suggestions

Editor The Farmers Mail and Breeze—I have read a great deal about taxes but have not been able to find anything that I thought struck the right lead. My idea is that all church property, private or sectarian, private school property and private hospital property should be taxed. I cannot see why such property, amounting in value to hundreds of millions of dollars, should go untaxed. I have

talked with some ministers and they think it should be done. I do not think there would be much opposition to such a law.

My next query is, Why does our government maintain an army in Vera Cruz to protect the class that Villa and his followers have been trying to free themselves from? This class are not citizens of the United States. They are antagonistic to American principles.

I have been an admirer of President Wilson's stand in the Mexican trouble up to the time he made the order to keep the soldiers at Vera Cruz to protect people who owe allegiance to a foreign potentate.
T. C. LOGAN.
Cimarron, Kan.

The taxation of church and sectarian school property has been discussed for many years. Undoubtedly the exemption of that kind of property has been abused as well as the exemption in favor of so-called charitable institutions.

In regard to the occupation of Vera Cruz by United States troops, my opinion is that it was a mistake in the first place. It certainly placed this nation in an inconsistent position. We had been proceeding on the theory that Huerta was not the head of a lawful government and therefore we would not recognize him or his government. Then some of our sailors were arrested and we insisted that the flag had been insulted and that we would take Vera Cruz until the insult was duly apologized for and the flag saluted. It was never clear how our flag could be insulted by a government that was not a government or how we could recognize a salute from a government we had otherwise refused to recognize.

But while it never has been made clear by what right we invaded Mexico and held its principal port of entry, and collected the revenues which clearly do not belong to us, it is perhaps true that having done this it is better to stay until some sort of government is established in Mexico. The question that bothers me is when will we be able to let go with reasonable credit to ourselves.

Truthful James

"Speakin' of war," remarked Truthful, "I have been listening to the experiences of a lot of old roosters who served in the Civil War. I don't want to cast any reflection on any of the old boys, but if it wa'n't for the respect I have for the veterans I would say that there are some of the blamest old liars in that outfit I ever saw."

"There, for example, is old Jed Wilson who, to hear him tell it, took part in practically all the battles of the war that amounted to anything. He missed a few skirmishes but that was all. The remarkable thing is that old Jed hasn't a bullet wound on his person."

"I says to him one day, 'How does it come, Jed, that you was right in the thick of the fray in a hundred and fifty big battles and never got hit?'"

"'Just pure luck,' said Jed without a blush. 'But I want to say to you, young feller, that I had some durned close calls. For instance, at the battle of Chancellorsville the bullets was so thick around me that I could hardly see the sun. First the rebs shot my cap away then a bullet cut my suspenders and let my pants down. Then the bullets commenced to fly around my feet and cut my shoes off. That left me standin' there in my shirt tail. Next they shot every button off my shirt but fortunately I didn't get a scratch.'

"'At the battle of Gettysburg they come mighty near gettin' me. They not only shot my cap away but the bullets came so close that they clipped off all my hair. When the battle was over my head looked as if it had been run over by one of these clippin' machines that barbers use."

"'Maybe you won't believe it, but when I come home from the army I brought my old blouse with me. I had wore it in forty-seven different fights and it had four hundred and sixteen bullet holes in it by actual count. It's really a miracle the way I escaped.'

"'Old Pete Simpson is another of the veterans. He doesn't claim to have been in quite as many battles as Jed but says that he has seen a heap of fightin'. Pete was in the first battle of Bull Run. He says that he stayed and stood off Beauregard's whole army till he turned round and saw that all of the rest of the Union army but him had retreated then he said he concluded that it was time for him to go."

"'When I once started back' said old Pete, 'I concluded that I might just as well hurry along. I was some runner in them days. Seeing that I was forced to retreat I concluded that there was no use foolin' about it so I went. Inside of two miles I passed two regiments of cavalry that was goin' back on the dead run. One fellow on a horse asked me if I wanted to ride. I told him no, that I was much obliged, but that I was in something of a hurry an couldn't wait. I run ten miles and being at that time three miles ahead of the rest of the army I concluded to sit down under a tree and rest. Well, after about fifteen or twenty minutes I saw what looked like a shadow comin' up the road; couldn't understand it till it came up opposite me and stopped. Then I saw that it was my shadow. I had left it three miles behind. When that shadow got up to where I was I could hear it wheeze. It was just about all in. The rest of the way back to Washington I just jogged along at the rate of fifteen miles an hour so that my shadow could keep me company."

"'There was one other time when I did some runnin'. It was in one of the fights before Atlanta. I was out on the picket line when the rebs came a chargin' in. They shot my gun out of my hands

and then of course there wa'n't nuthin' left for me to do but run. I made for a big oak tree and a reb with a gun was right after me. I got to the tree and started to run around it to keep out of the reb's way. I got to runnin' faster and faster till finally I caught up with myself. I didn't recognize my own back, never havin' seen it before. I thought it was some other man dodgin' round that tree and it sort of irritated me. I yelled at him, not knowin' that I was yellin' at myself, and says, sez I, 'If you can't run git out of the way for a man who kin.' Not gettin' any reply I up and kicked the feller in front of me in the back and immediately felt a hard jolt at the base of my spine. That was the first time I discovered that I was chasin' myself and had kicked myself under my own coat tail."

"Lige Perkins, another old vet, said that his most remarkable experience was when he was in a fort that was blown up by a mine. Lige said that he was just eating his dinner when the mine was exploded. He had just started to drink a cup of coffee when he went up. Said he wasn't scared particularly and went on drinkin' his coffee as he went up."

"'One of my messmates,' said Lige, 'was an awful feller to bet. He would bet on anything. Him and me started up together. When we was up about fifty feet or so he says, 'Lige I will bet you five dollars that I will go higher than you will.' I took the bet and won it by three feet. The poor feller was so marked up though, when he lit that I never was able to collect the bet.'"

Not One Man's Job

To rightly direct the affairs of a great state is a task large enough for any man—one no man should depend on himself alone to accomplish. As the people of Kansas have voted me into their high place of honor and of trial, such a great responsibility has come to me. And strong in their hope and supported by their confidence and faith in me, I intend to be their governor in word and in deed.

I shall go at this new task with cheerfulness and with industry, with the confidence of an earnest will to do, an ardent determination to do and a strong intent to do my duty to the utmost.

I have a plan and a program. I know Kansas pretty well; I know western men and women pretty well. I do not assume to have greater knowledge. Instead I try to have an open mind.

Whatever any man may hope to accomplish as governor of his state, he cannot have too broad an outlook nor too intimate a survey of the innumerable things which need doing. It is impossible that he should know all these things himself.

All my life I have profited by listening to, or adopting the suggestions of others; in my own business, those of my co-workers; as a publisher, those of my readers. I have great confidence in the intelligence and inherent commonsense of the western people, having had many proofs of it. Therefore as an official in the service of the people, I intend to devote much attention to their suggestions, and on any and all occasions to invite them to make suggestions freely.

We are witnessing in this country a wonderful quickening of the public mind and understanding in all matters of government and human welfare. The people in their deep and wholesome dissatisfaction with present systems and conditions are reading, thinking, observing and voting as they seldom or never have before. They are searching out the weak places and looking for remedies and they are going to find them.

Every public official should co-operate with this spirit.

It is with this broad purpose in view that I ask Kansas men and women and western men and women for suggestions of any kind whatsoever that they think will tend toward bettering the public service in any particular, or to improving our laws or rules of government. I shall be glad to know too, what if any, new legislation they consider necessary or beneficial.

I particularly wish these advisers to point out to me the special one thing which in their experience or observation they have found needs correcting, or doing better or more efficiently and less expensively than it is being done now.

Undoubtedly it will not be possible to act on all or even a part of these recommendations; there is much to be done, an official term is a short time; but it will be of great advantage, notwithstanding, to cover the whole ground as far as possible, that we may know in every detail the things which should be done and the difficulties that should be met and grappled with. This will serve as a guide for the future if not for the present.

It is beyond the powers of one man to do all these things. A governor in our scheme of government is more of an influence than a man of direct power, but he should be as potent an influence and as determined an influence as possible.

I greatly hope, I firmly intend and I feel sure I can accomplish two, three, or maybe a half dozen desirable things for Kansas, with the people standing behind me. One policy to which I shall strictly adhere, is to appoint no man to an office who is not the best possible man that can be obtained for that place. Meanwhile I shall welcome both help and suggestion.

Arthur Capper

December Institute Dates

The speakers and dates of the fourth circuit, consisting of eighty-seven institutes, have been announced by E. C. Johnson, superintendent of institutes in the Kansas Agricultural college. They are:

G. E. Thompson and Miss Stella Mather—November 30, Hoisington; December 1-2, LaCrosse; December 3, McCracken; December 4, Utica; December 5, Healy; December 7, Modoc; December 8-9, Tribune; December 9-10, Leoti; December 10-11, Scott; December 11-12, Dighton.

C. E. Cassell and Miss Stella Mather—December 14, Beeler; December 15, Ness City; December 16, Alexander; December 17, Rush Center; December 18, Timken.

W. A. Boys and L. G. Hepworth—December 8-9, Russell; December 10, Bunker Hill; December 11-12, Ellsworth. W. A. Boys and H. B. Walker—December 14, Tescott; December 15, Sylvan Grove; December 16, Waldo; December 17, Natoma; December 18, Plainville.

C. H. Taylor and Miss Addie Root—December 1, Assaria; December 2, Marquette; December 3, Lindsborg; December 4-5, McPherson; December 7, Canton; December 8, Nickerson; December 9, Mount Hope; December 10, Viola; December 11, Norwich; December 12, Conway Springs; December 14, Hillsboro; December 15-16, Marion; December 17, Alta Vista.

H. J. Bower and Miss Louise Caldwell—November 30, Buffalo; December 1-2, Fredonia; December 2-3, Yates Center; December 3-4, Eureka; December 4-5, Eldorado; December 7-8, Burns; December 9, Leon; December 10, Augusta; December 11, Douglass; December 12, Caldwell; December 14, Oxford; December 15, Udall; December 16, Mulvane; December 17, Anson.

T. J. Talbert and Miss Florence Snell—November 30, Perry; November 30-December 1, Olathe; December 1-2, Ottawa; December 3, Rantoul; December 4, Silver Lake (Lebo); December 5, Olivet; December 7, Williamsburg; December 8, Homewood; December 9-10, Baldwin; December 11, Greeley; December 12, Lane; December 14, Parker; December 15, Cadmus; December 16, Louisburg.

P. E. Crabtree and Ross M. Sherwood—December 1, Marshall Center (Marysville); December 2-3, Vermillion; December 4-5, Blue Rapids.

P. E. Crabtree and Dr. C. A. McCall—December 7, Cuba; December 8, Athol; December 9-10, Smith Center; December 11, Republic; December 12, Norway; December 17-18, Junction City.

Geo. O. Greene and Dr. C. W. McCampbell—December 7, Denton; December 8, Everest; December 9, Powhattan; December 10-11, Horton; December 11-12, Hiawatha.

George O. Greene and Ross M. Sherwood—December 14, Potter; December 15, Nortonville; December 16, Easton; December 17, Winchester.

Suspicion Lost Tax Amendment

The tax amendment was beaten by 9,831 votes. That more than 323,000 votes were cast on the proposition at all, and that the majority was so close either way, is sufficient cause for congratulation as the result of the first submission of this provision to the people.

This amendment was defeated on suspicion, not by votes of men and women who were fully convinced against the proposition on its merits. This we know from a number of evidences, the testimony of very intelligent, disinterested persons who have said frankly that they had not had the question fully presented to them and they voted against it on the theory that it was dangerous to tinker with the organic law in the matter of taxation. On the other hand, we know of a number of equally intelligent voters who at the last moment changed their minds and voted for this amendment simply because the question had been presented to them in the argument issued by the state tax commission.

A further reason for the defeat of the amendment was because in the last days of the campaign two or three newspapers that had had nothing to say about the question suddenly came out urging its defeat, and at the same time circulars were anonymously issued by clever tax dodgers and widely scattered over the state attacking the amendment on various alarmist grounds, without any foundation in fact.

That with no organized effort to carry

the amendment, with no special interests favoring it, with several special interests against it and with the question itself one likely to be defeated on suspicion in the absence of any systematic presentation of the purposes of the amendment from those favoring it, its defeat is not surprising, but what is surprising is the heavy vote for it.

This amendment should be again submitted to the people, and if possible with an official statement of both sides, giving the arguments for it and against it from trustworthy sources.

Fewer Scrub Stallions Now

Only 45 per cent of the stallions now in Kansas are scrubs and grades. Sixty per cent of the Kansas stallions were scrubs and grades in 1910. These figures are furnished by Dr. C. W. McCampbell, secretary of the Livestock Registry board and associate professor of animal husbandry in the Kansas Agricultural college.

"Our records show that there are 460 more purebred stallions in the state at present than four years ago," said Dr. McCampbell. "There has been a decrease of 1,260 in the number of grades and scrubs during this four-year period. This decrease is due largely to the publicity given the present stallion law. In 1910 there were 2,022 stallions advertised as purebreds.

"The present law has saved \$100,000 to the farmers of the state each year. Before the passage of the law some horse dealers were doing a flourishing business in selling fake pedigrees, and grade and scrub horses.

"After a stallion has been four years in a community it is desirable to bring in new blood. A stallion exchange which

leather, and tempering steel. Others of this group are valuable lubricants.

Oils from land animals are also classified according to origin. The feet of cattle, horses and sheep yield oils that are much alike, often sold collectively as "animal oil." True neat'sfoot oil is made from the feet of cattle only, but is often adulterated with other hoof oils. These oils are much used in lubricants.

Other important animal oils are lard oil, and tallow oil, prepared from lard and tallow by cold pressing. These oils are used as illuminants, lubricants, and for making imitation butter.

C. E. Vail.

Colorado Agricultural College.

Kansas Has Weather Records

The weather station of the Kansas Agricultural college has the oldest complete weather records in the state. The records date back to 1858 when Isaac Goodnow, one of the founders of the old Blumont college, began to keep weather records.

The college observatory is equipped with all of the latest scientific instruments which are necessary to obtain accurate results. The weather records prove of great value to the agricultural experiment station as the rainfall, frost, and temperature records are available for the past 50 years.

Weather records were begun in several other places before the Civil War, but the records of all the stations except the one at the agricultural college were either destroyed or neglected.

"The rainfall in Kansas is not increasing," says J. O. Hamilton, professor of physics who is in charge of the weather station. "Our records show that

Prizes For Top-Notch Yields

It costs only a postage stamp to enter the Top-Notch Farmers' contest of the Farmers Mail and Breeze. If you grew a fine yield of grain or hay this year, you may be robbing yourself of a handsome silver loving cup if you neglect to send in your report. Seven cups will be given, one each for the best yield, in Kansas, of wheat, corn, oats, alfalfa hay, kafir, milo and feterita.

The best yield to the acre will win the trophy, but the crop must be taken from a plot that is not smaller than five acres. All that is necessary to take part in this contest is to send in your yields, and be ready to verify them with the signed statements of witnesses if called upon.

Someone will win these valuable cups, and it is a shame to let the other fellow get the trophy and the honor of being the best farmer in Kansas, in his line, if you have a yield that will beat his. Send your reports at once to the Farmers Mail and Breeze, Topeka, Kan.

helps hundreds of men to exchange horses has been organized. The exchanging of horses is a much safer system than the buying of young and untried stallions.

"Since 1910 there has been an increase of 558 purebred Percherons, 66 Belgians, 17 French draft and 8 American saddle horses. There has been a decrease of 117 in the number of standard bred horses, 13 Shires and 5 Clydes. It is interesting to know that there is only one purebred Suffolk stallion in the state."

Animal Oils and Their Uses

Fish oils are represented by sardine oil, menhaden oil, salmon oil, and others of like character. Of these, menhaden oil is of importance since it is the only oil which can be substituted successfully for linseed oil. It has been found that its drying properties are very good, giving the best results if mixed with one-fourth its volume of linseed oil. This mixture is best adapted to exterior work, on account of the unpleasant odors it gives off in drying. As it is so much cheaper than linseed oil, and nearly as good, it is a permissible adulterant of linseed oil for the kind of work mentioned. It should be remembered that other so-called fish oils, but really blubber oils, are non-drying oils, and therefore worthless for paints.

Liver oils contain a large number of characteristic glycerides and other substances, most of them having distinctive odors. Cod-liver and shark-liver oils are the best known.

Of the blubber oils, whale oil is the most important, followed by blackfish, seal, walrus, and porpoise oils. Some of these oils find extensive use in soap-making, as illuminants, for finishing

during the past 56 years the average rainfall has been nearly 31 inches. Taking the first 25-year period as compared to the last 25-year period the results show a slight increase in favor of the later period. However, by dividing the years differently, an increase can be shown for the earlier period."

To Organize Athletic Clubs

Athletic clubs for young men in a number of rural communities and smaller towns will be organized by the Young Men's Christian association of the Kansas Agricultural college. It is planned that baseball and basketball leagues will be formed and a regular schedule of games will be planned in the rural towns and communities. The coaches for these teams will be supplied by the Y. M. C. A.

Lessons in wrestling and other athletic stunts will be given by the young men. The work will be under the general supervision of Walter Burr, rural service expert in the college.

Depth of Suction For a Pump

A perfect pump will draw water from a height of 33.95 feet above the level of the water, or to a height corresponding to a perfect vacuum. Since a perfect vacuum cannot be maintained on account of valve-leakage, air contained in the water, and the vapor of the water itself, the actual height is generally less than 30 feet. When the water is hot the height to which it can be lifted by suction decreases, on account of the increased pressure of the vapor. In pumping hot water therefore, the water must flow into the pump by gravity.

J. W. Lawrence.

Colorado Agricultural College.

We want every man who carries a gun to have a free copy of our new and interesting booklet, "Powder Puffs". It tells you all about the different kinds of ammunition, and explains why

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K. K. Foust, Ashley, Ohio, writes: "Please find draft for spreader received October 5th. Assure you I am more than pleased with same. It has proved all you claim and more. By buying of your company, I saved \$21.50 and got just what I was looking after."

My Book "A Streak of Gold" FREE tells all about handling manure to get the greatest profit. Do not buy a spreader of any make at any price until you have dropped a postal asking for this great book worth \$1.00 (costs you nothing) and my BIG \$10.00 SPREADER CATALOG that tells the truth about the spreader business. Mailed free, get RIGHT on this spreader proposition before you buy.

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Burn the Chinch Bugs

BY G. A. DEAN

In 58 counties of Kansas, representing more than the entire eastern half of the state, the farmers have suffered in the aggregate an enormous loss from the ravages of the chinch bugs. In the regions in which, during the spring and summer, the bugs did noticeable damage, the chinch bugs will be found in the fall congregated in the bunch grasses, which grow along the roadsides, in the meadows, pastures, ravines and waste places.

While the large majority of these bugs will go into winter quarters in clump-forming grasses and bluestem growing along roadsides and fences, in pastures and meadows adjacent to infested corn, sorghum, kafir and milo in some cases they may be found hibernating in bunches of grass removed by considerable distances from the infested fields. It is, therefore, imperative for the farmer to find out whether his grasses are harboring a dangerous number of bugs. This can be determined by parting the bunch grass and carefully examining the mulch of soil and decayed grass which usually gathers at the base of the stems.

Experiments covering four years show conclusively that the late fall and early winter is the time to fight the chinch bugs. At this season, or during November and early December, they are congregated in the grasses which grow along the roadsides and fences, in pastures, meadows, ravines and waste places, and since it is an easy matter for each farmer to burn these off, it should be done just as soon as conditions will permit of good burning. In the greater part of the infested area this year the per cent of grass land on the farm is small, and every farmer can clean up his place in a day's time, and the cost is practically nothing.

The great advantage of early winter burning is that the farmer protects both his wheat and corn. Late fall and early winter destruction has been thoroughly demonstrated and found successful where it has been co-operatively carried on over areas three miles square or more. In fact, the only essentials to make burning successful are co-operation and thorough work; that is, firing the infested clumps in such a manner as to make them burn close to the crown. The only places that need to be burned over are those which contain growth of clump-forming grasses. Although a few bugs are found behind the corn blades and in the trash in a stubble field, cornstalk and wheat-stubble land do not need to be burned over, for the few bugs that are there will die before spring.

Inasmuch as co-operative and thorough work are essential in order to make the burning successful, every county infested with the chinch bugs should organize for a complete destruction of the winter quarters of the chinch bugs. If the organization is made a county affair, supported and encouraged not only by the county commissioners and the other county officers, but by every township official, the result naturally will be far more effective than if the work is taken up only locally. Every local organization, such as the Farmers' Grange, the Farmers' Institute, the Farmers' Union and the Anti-Horse Thief association should lend its support and help in making the work effective. The several county and district farm demonstration agents, the extension department men, and the field agents of the Kansas Agricultural college will help in every possible way in organizing for the work.

To Kill Grain Insects

Fumigation with carbon bisulphide is recommended by George A. Dean, professor of entomology in the Kansas Agricultural college, for the destruction of insects in stored grain. Many inquiries have come recently to Professor Dean of trouble with the weevil and the Angoumois grain moth.

What species is causing difficulty matters little, says the college entomologist, as all will succumb to the same treatment. Here are Mr. Dean's directions:

The amount of carbon bisulphide to be used depends on the temperature, size, and shape of the building, and on its tightness. Temperature is an important factor in the success of fumigation. At a temperature below 60 degrees Fahrenheit the amount of carbon bisulphide required and the results obtained are so

unsatisfactory that it is impracticable to attempt fumigation. If the building is reasonably tight and the temperature is above 70 degrees Fahrenheit, 1 pound of carbon bisulphide is sufficient for every 30 bushels of grain.

All space above the grain in the bins or building should be figured in at the rate of 1 pound of carbon bisulphide to every 200 cubic feet of space. In case the bin or building is not sufficiently tight to allow thorough fumigation, the amount of liquid should be increased.

Since the vapor is heavier than air and settles to the lower parts, the liquid should be placed in shallow pans at the top of the bins or building. It should be well distributed, not more than a pound in a place.

Dehorning Cattle

BY DR. R. R. DYKSTRA.

Cattle have been dehorned since about 1790. The operation sometimes is performed to remove horns that are broken or otherwise injured, but most frequently it is to prevent horned animals from injuring one another. Usually it is considered justifiable on account of the benefits that are derived from the operation.

The growth of horns on calves may be prevented entirely by the liberal use of a strong solution of ordinary lye; or if the use of a solution is not desirable it can be purchased at drug stores in the form of sticks known as caustic potash. This should be applied immediately after birth to the place where the horn makes its appearance. Care should be exercised when using this remedy because the lye will eat away all the skin with which it comes in contact.

Various kinds of instruments are used for the removal of the horns of older animals. If an ordinary saw is used it should be sharp and fine, as this lessens the danger of splintering the bones of the head during the operation. If a large number of animals are dehorned, quicker and safer work can be done with a "dehorning instrument." This can be purchased of any veterinary supply company for \$7.50 to \$10.

It is best not to dehorn during the fly season. Sometimes the horn is cut close to the head and cavities are opened which become filled with maggots if flies are prevalent. The animal suffers intensely, if this happens, and there is a rapid loss in condition. If cavities are accidentally exposed a small piece of cotton, smeared with tar, may be applied to the wound and held in place by means of a bandage around the head. This also is of great value if excessive bleeding follows the operation. If maggots gain entrance to the cavities of the head they should be washed out with a weak, watery solution of ordinary dip.

Kansas Agricultural College.

Time to Wean Colts

Can a colt that is in good thrifty condition be weaned when it is 4 months old? Rice county, Kansas. J. E. H.

If the colt has learned to eat and is well grown for its age it may be weaned provided it is fed liberally on a good growth-producing ration. If the mother is not needed for farm work and is not in foal again it will be better to let the colt remain with her one or two months longer. Most horsemen recommend weaning colts when they are 5 or 6 months old. Often they are weaned when younger than this in which case one should take special care to see that they get the proper kind of feed in liberal amounts. This is not saying that colts weaned when they are 5 or 6 months old do not need good feed and care. Every colt should be well fed and well sheltered during the winter. They yield the greatest profit when they are kept fat and sleek. The shelter and feed furnished by a barb-wire fence and a straw stack do not develop high priced horses. T. W.

Ross is Fighting Chinch Bugs

P. H. Ross, county farm agent for Leavenworth county, is making a special effort this year on the chinch bug campaign. He has sent a circular to every farmer in that county calling attention to the fact that the chinch bugs live through the winter, and to the importance of burning the grass in waste places. He hopes to get the grass all burned. The railroads are helping; they have agreed to see that the grass on their property is cleaned out.

Get the Eggs NOW While Prices are High

GILBERT HESS, Doctor of Veterinary Science, Doctor of Medicine



Dr. Hess Stock Tonic

Your cows, horses and hogs are pretty apt to get out of fix during winter, because grain, hay and fodder do not contain the natural laxatives and tonics so abundantly supplied in grass. Lack of exercise is another thing that retards good health.

Dr. Hess Stock Tonic contains tonics that improve the appetite and tone up the digestion, laxatives for regulating the bowels, and vermifuges that will positively expel worms. I guarantee it. 25-lb. pail \$1.80; 100-lb. sack \$5.00; smaller packages as low as 50c (except in Canada, the far West and the South).

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 if kept in the dust bath, the hens will distribute it. Also destroys bugs on cucumbers, squash and melon vines, cabbage worms, etc., slugs on rose bushes, etc. Comes in handy sifting-top cans, 1 lb. 25c; 5 lbs. 60c (except in Canada and the far West). I guarantee it.

This is the time of the year when the price of eggs is high and your hens ought to be making up for the small egg crop during moulting.

But hens need a tonic during the winter months, because the lack of exercise and green stuff and also close confinement impairs the digestion, makes the system sluggish and the egg organs dormant. With the knowledge I have gained in a lifetime experience as a veterinarian, doctor of medicine and successful poultry raiser, I have succeeded in compounding a scientific preparation that will make poultry healthy, make hens lay and keep the egg organs vigorous and active.

Dr. Hess Poultry PAN-A-CE-A

contains ingredients for toning up the digestive system and enriching the blood. It also contains tonics for toning up the dormant egg organs and making hens lay, internal antiseptics for preventing and remedying gapes and other ailments, also bone and shell forming ingredients. Every single ingredient in my Pan-a-ce-a (printed on every package) bears the recommendation of the U. S. Dispensatory and other high authorities. Now read this carefully:

So sure am I that Dr. Hess Poultry Pan-a-ce-a will make your poultry healthy and make your hens lay that I have authorized my dealer in your town to supply you with enough for your flock, and if it does not do as I claim, return the empty packages and get your money back. Buy now on that guarantee.

Sold only by reputable dealers whom you know, never by peddlers. 1½ lbs. 25c; 5 lbs. 60c; 25-lb. pail \$2.50 (except in Canada and the far West). Pan-a-ce-a costs only 1c per day for 30 fowl.

My new poultry book tells all about Pan-a-ce-a. It's free. DR. HESS & CLARK, Ashland, Ohio

Book on Hog Feeding FREE



Just a postal or letter brings this great book on scientific hog feeding absolutely free. Written by Prof. John M. Evvard of the Iowa Experiment Station. Tells all about proper feeding. Used by Experiment Stations as a text book. Full of valuable information. This 50c Book Sent Absolutely Free to introduce

BIG BRAND MEAT MEAL DIGESTER TANKAGE

Big Brand Meat Meal Digester Tankage is now being recommended by Agricultural Experiment Stations everywhere. It is an ideal hog feed supplement. Contains not less than 60% (1200 lbs.) PROTEIN, 8% fat and 8% bone phosphates. Builds the frame and tissue. Wards off cholera. Matures hogs quickly. Costs less than 2c per animal per day. Protein Produces Profit! Write today for Prof. Evvard's book, "Feeding Hogs for Profit." Sent anywhere free.

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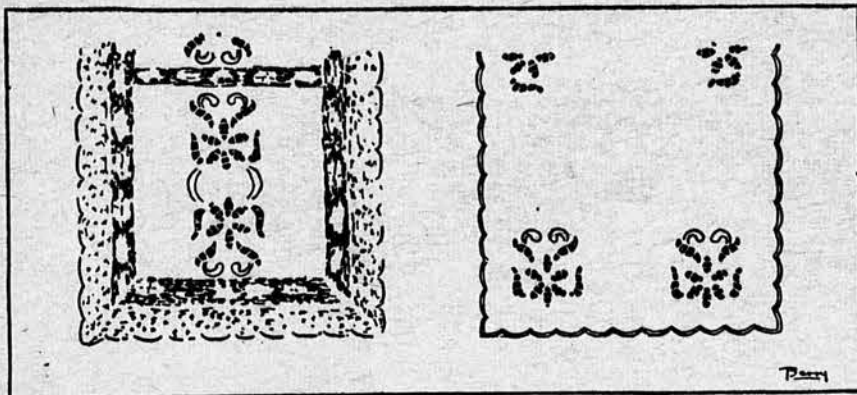
Plants at Chicago, East St. Louis, Kansas City, So. Omaha, So. St. Joseph and Oklahoma City.

Embroidery Must Show Art

These Principles of Design May Help in Your Choice of Fancy Work For Christmas

MANY embroidery designs are very thoughtlessly thrown together. When a woman goes to select one for her waist or her linens, she sees a glittering display of butterflies flitting over daisy fields and scrolls and de-

without puncturing some carefully wrought embroidery. The frills at the edges collect dirt and dust. Talcum from the dressing table will sift into it. The ribbons cannot be washed. Improved Design.—Single flowers



Bureau Scarfs—Bad and Good.

cides that one of these would fill up the blank space she has to ornament. Decoration of linens with embroidery is an artistic problem, and it would be well to study it more carefully. Here in short are some of the most important rules of design:

A design should be suited to the



Bad Design For Pin Cushion. Cushions Are Made to be Used.

article it adorns. The use to which the article is to be put should determine the kind of design.

The principal lines of the design should conform to the shape which it decorates.

It should be simple.

Scarfs Should Protect.

The bureau scarf design at the left is over trimmed. A scarf is made to

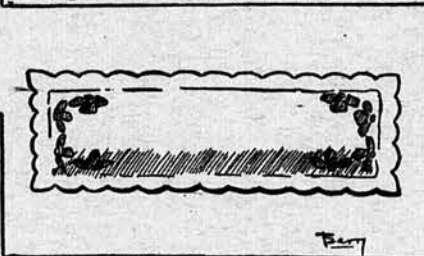
have been taken from the first design. They are placed at the ends in a way which conforms to the oblong shape.

The corset cover design at the left is crowded. The lace on the arm holes does not harmonize with the hand scallop on the top.

Improved Design.—A single flower of the design with one petal removed is used for the simpler design. It is placed about the top of the corset cover where trimming is needed.

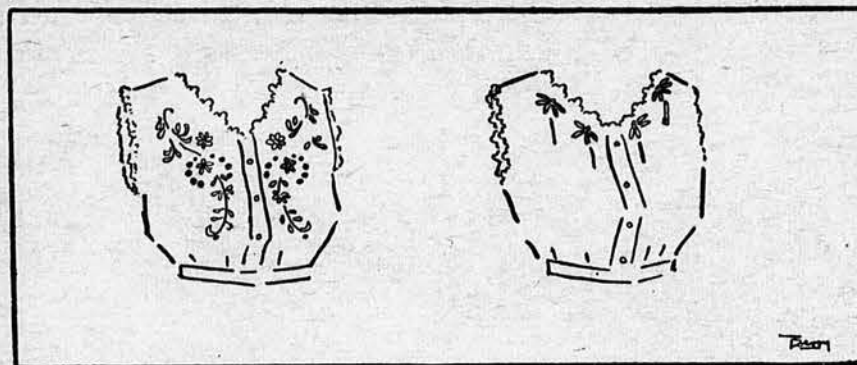
Are Your Pillows Restful?

A pillow is meant to inspire a de-



Design Improved.

sire to rest. Who could put his head on the eyelets, thorns and rose leaves of the design on the left and rest in comfort? Every pillow should have a space for the head. Part of the de-



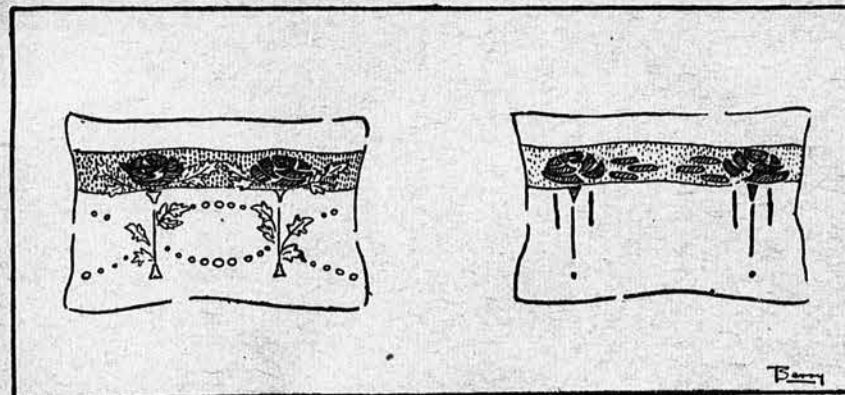
Embroidery on Underwear Should be Simple.

protect some delicate surface and should not be so elaborate as to need protection itself. Too many kinds of work, hand work and machine made lace, contribute to its unpleasantness.

Improved Design.—A single unit from the other is used to decorate the corners of this scarf. A hand embroid-

sign at the left is conventionalized and part of it is naturalistic. The shape of the rows of the eyelets is too curved to fit the oblong space well. There is too much work on the pillow.

Improved Design.—The entire design is conventionalized, an open space is



A Pillow Is Meant For Rest.

ered scallop finishes the edge simply. left for the head, and the lines of the What's wrong with the cushion at design are made to follow those of the left? One can't put a pin in it the outside lines of the pillow.

Wives Are Business Partners

BY MRS. ALICE ELIZABETH WELLS.

"Mr. Sayres is planning to buy a car this fall, if crops are good," a neighbor, Mrs. Sayres who lives four miles west, remarked to me yesterday as we chatted at my gate. She sighed as she said it and I wondered why, so I asked, "Aren't you glad?" "No, I'm not; the money it will cost would get me so many things I need in my house. I have to bring in from an outside well every pail of water used; I have no bath room, and have to wash and churn by hand, and oh, so many things I've been planning to have the first year of good crops," and she sighed again. Sensible woman, and yet not sensible enough; she ought to insist on right of choice. Oh, it's a long way yet until women come into their own as partners with the head of the firm. I am quite sure, however, it is pretty generally our own fault. We must insist on having acknowledged our rights to personality, a share in profits and our own opinions on political, civic, intellectual and moral matters. We must take the initiative, without shrinking or shirking. Above all, however, we must be intelligently worthy of the place in affairs we aspire by our influence to occupy.

What Does the Wife Say?

When a certain country banker in Indiana visits his farmer patrons he spends little time in viewing the crops and livestock, but he never misses an opportunity to talk with the farmers' wives. He has a reputation for unerring judgment in picking the right men to encourage and in knowing how far to go in investing in mortgages. Some one asked him how he determined the responsibility of prospective borrowers.

"Don't be deceived by fine buildings, big yields or reports of unusual profits," he replied. "Don't depend too much upon the balance that your prospect carries in his bank account. If you want to know how he is succeeding ask his wife. If you find her in a pleasant home, thoroughly satisfied with the way they are getting on, your prospect may be regarded as permanently located. But if the wife is unsatisfied and complaining the farmer has failed to meet the most exacting test of success. Good farming consists not alone in making a net profit, but in spending some of it to make a good home."

Record-breaking crops alone are not an evidence of success in farming. Neither is a big bank account, for the farmer may be robbing his land and may have the bill to pay later on. Fine buildings and animals mean little if conditions in the home are not right, since farming as a business cannot be wholly separated from the farm as a home.

Some farmers' wives know very little about the business details of the place, but most of them know mighty well whether they are really getting on or merely appear to be succeeding. The banker who wishes to know the standing of a farmer must look at his crops, his animals and his bank balance; but he also must know if things are right in his household. The farmer with a justly dissatisfied wife cannot be regarded as a permanent business proposition.—The Country Gentleman.

Canning Sweet Potatoes

Mrs. A. M. S., of Eureka, Kan., makes the following request. "I think a good many of your subscribers would like to know how to can sweet potatoes. If you know a recipe or can find one will you please publish it?"

The only recipe available for canning sweet potatoes is in a book entitled "Canning, Preserving and Pickling," by Marion H. Neil, which was published this summer. According to this formula the things necessary are sweet potatoes, sugar, and water. Prepare a sirup by boiling together ½ cupful of sugar in 4 cupful of water for 5 minutes. Peel and slice sweet potatoes and boil them in slightly boiling salted water until tender, then drain, and place the slices in glass jars. Pour in the hot sirup, letting it flow over the tops of the jars. Seal tightly, then wipe the tops of jars, place them in blue paper, and set away in a cool, dark place.

It is well in trying any new recipe

to prepare only a small amount. If this is successful a larger quantity can be prepared another year if desired.

Several Servian girls have taken a pledge not to marry a man who has not killed at least one of the enemy in the war now going on.

There is no fool like the one who parts with his money before it is earned.



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

A pretty shirtwaist for cold days is No. 6937, which comes in sizes 34 to 44 inches bust measure. Size 36 requires 1½ yards of 44 inch material.

Ladies' one piece apron No. 6902 is cut in sizes 36, 40 and 44 inches bust measure. Size 36 requires ¾ yards of 36 inch material.

Design No. 6852 shows a three gored skirt which comes in sizes 22 to 32 inches



waist measure. Size 22 requires 2½ yards of 54 inch material.

A doll's set of clothes is shown in No. 6950. It is cut in sizes 14 to 26 inches length measure. Size 24 requires 1 yard of 27 inch material for dress, ½ yard of 27 inch for petticoat, ¾ yard of 27 inch for drawers and 1½ yards of 27 inch for kimono and cap. For the pajamas 1½ yards of 27 inch material is required also.

Boy's overcoat No. 6824 is cut in sizes 2 to 8 years. Age 4 years requires 2½ yards of 54 inch material.

USE THIS COUPON FOR PATTERN ORDERS.

The Farmers Mail and Breeze, Pattern Department, Topeka, Kan.

Dear Sir—Enclosed find cents, for which send me the following patterns:

Pattern No. Size

Pattern No. Size

Pattern No. Size

Name

Postoffice

State

R. F. D. or St. No.

BE SURE TO GIVE NUMBER AND SIZE.

Lorimer of the Northwest

BY HAROLD BINDLOSS

Author of "Ranching for Sylvia," "By Right of Purchase," "Winston of the Prairie," "Alton of Somasco," and Other Stories.

(Copyright Frederick A. Stokes Co., N. Y.)

SYNOPSIS

Ralph Lorimer and Harry Lorraine, young Englishmen farmers in the Canadian Northwest, have come face to face with complete failure of their second wheat crop. Grace Carrington, whom Lorimer secretly loved in England lives with her father not far from the young men's farm. Colonel Carrington does not welcome Lorimer's attentions. Indeed the Colonel is something of a land baron and has high ambitions for his daughter. In last week's installment, after the most heartbreaking work, the young men awake one morning to find that frost has ruined their crop prospect. They prepare to see the surveyor in charge of railroad building to get work with which to make another beginning.



U ESS I could let you a track-grading contract," he said meditatively. "We find the scoops, you find the teams and take all the risks, but it's pay up when you're through. We've no use on this road for the men who when they strike a hard streak just throw up their contract."

"What we begin we'll finish," I answered with emphasis, while Harry smiled and raised a warning hand unseen by the surveyor. "Neither hard work nor hard luck is new to us, and if it weren't for the latter we shouldn't be here."

"Glad to hear it," said the surveyor, dryly, "you look like that. Well, here's the schedule; glance through it; then you can come back tomorrow and we'll sign the agreement. You'll have to rustle, though, and keep the rail-bed ready; this road's going right through to Green Lake before the winter."

I ran my eye down the list of stipulations respecting the work to be done at so much per rod, with allowance for extra depth scooped out through the rises per cubic ton, saw there should be a profit in it from what little I knew, and tossed the sheet to Harry, answering:

"Our time is precious, and if my partner is willing we'll sign it now. As to what we look like, I'll thank you to remember that has nothing to do with you."

"I apologize; meant it as a compliment," said our future employer, who was grimed thick with sweat and dust, and Harry answered lightly, "We are much obliged to you; my partner is quick in temper. However, you know that you can't get teams or men for love or money now when harvest's coming on, and so we're going to strike you for another two cents per measure."

"Might stretch that far," said the other after more figuring, "but somehow we'll take it out of you. Here, fill your distinguished names into this, and if you like to take it there's another lot—it's hauling in birch logs for stump piles and fencing purposes."

We signed both papers, and on leaving the surveyor we found a man in old blue overalls, whose appearance suggested the Briton, waiting for us near the construction train which had just come up with its load of rails and rail-layers.

"Did you get the grading contract?" he asked; and, when Harry nodded, he continued: "Then as a preliminary I'll introduce myself, Ellsworth Johnston, one-time barrister, and, as the surveyor classified me, general roustabout. Had a bush ranch in British Columbia and came to grief over it by fooling time away gold prospecting. Rode in and asked yonder eloquent autocrat for a contract, but he didn't see it. Said, and he explained it wasn't flattery, I looked too much of a gentleman, and in consequence if I liked I could shovel ballast at one dollar seventy-five daily. Now shoveling ballast grows monotonous, and one gets a confounded back-ache over it, so if you're agreeable I'll fling in a small sum and my services as junior partner."

"We're not too rich," said Harry, "and we'll talk it over."

"Get a move on there, Sam Johnson, before the flies eat you! Guess the rails are growing rusty while you're resting," called somebody in authority, and with a smile of whimsical resignation our new acquaintance hurried away.

We made a bargain with him that evening, to the satisfaction of all concerned, and the next morning Harry rode away to divide our few head of stock among our neighbors and hire if possible one or two among those whose crops had also suffered from frost. The latter, like the devastating hail, performs its work erratically, wiping out one man's grain and sparing his neighbors. Meanwhile I found plenty to do making arrangements to commence our work on the track.

It was a hot autumn morning when we prepared to begin our task of railroad building, the last forlorn hope between ourselves and ruin. Harry and I stood beside our teams. The surveyor, dustier, perhaps, than any, leaned against the engine's buffer-frame close beside me, mopping his face, and surveyed us complacently, for with our assistants we formed, as far as outward appearances went, a workmanlike if somewhat disreputable company. Water was scarce that season and too precious to waste in superfluous washing, while we had little leisure to spare on even much-needed repairs to our garments.

With a crack of whips we started, and it was with satisfaction that I heard the tramping of hoofs bite into the sod and the bright steel edges rip through the matted roots. Soft earth and tangled grasses filled the iron scoop behind, the air vibrated with the strident clang of rails, and the locomotive engineer performed an inspiring solo upon his whistle, while the rest of our party followed to finish the wake we left with their shovels. Somewhat improved appliances are used in railroad building now, but though it had limitations the scraper did excellent work in its day. All went well and smoothly for at least a month, and our hearts grew lighter every day, while each time the big locomotive came clattering up we had another length of road-bed ready for the rails, and the surveyor commented on our progress with frank approval. He also did so to some purpose in his reports to Winnipeg, as subsequently transpired, while occasionally, when we lounged languidly contented under the dew-damped canvas at night, Harry would figure with the end of a pencil how much we had already placed to our credit.

"We are doing well, Ralph," he said the last time it happened, with a smile that lighted his sunny face. "There's enough now to pay off those people in Brandon, and with luck we'll manage to settle with the worst of the rest before frost comes. It's almost a pity we didn't try the railroad sooner, but"—and here he glanced at me with a twinkle in his eye—"we came out to work our own land, and it's your intention to add acre to acre until Fairmead's one of the biggest farms in the Territories, isn't it?"

"Yes," I answered soberly. "God willing, if health and strength hold out," and in his own expressive way Harry shook hands with me. Uninterrupted good fortune seldom lasts long, however, or at least it seldom did with us, and presently the line ran into a big coulee which wound through what we call hills on the prairie—that is to say, a ridge of slightly higher levels swelling into billowy rises. In the Western Dominion the rivers, instead of curving round the obstacles they encounter, generally go through, though whether they find the gorges or fret them out is beyond me. In the latter case, judging from what one sees in British Columbia, they must have worked hard for countless centuries. The hollow as usual was partly filled with birches and willows, which hampered us, for they must be cut down and the roots grubbed up; and when at last we had scooped a strip of road-bed out of the slanting side it seemed as if disaster again meant to overtake us.

Autumn had melted into Indian summer, but it was still hot. With the perspiration dripping from me one afternoon, I whirled and drove the keen axe into a silver birch's side, seldom turning my eyes from the shower of white chips, because looking up between the slender stems one could see the black smoke of a thresher streaking the prairie. The crops of the man who employed it had escaped damage, and as those of many had been spoiled by frost I knew he would reap a handsome profit on every bushel. I did not grudge it him, but the contrast with our failure troubled me. My throat was parched and dried up, for we had finished all the water they brought us in by train, and no man could drink of the shrunken creek, which was alkaline. It flowed down from one of those curious lakes to be found on the Western prairie, where clouds of biting dust which smartens one's eyes and nostrils intolerably rise up like smoke from the white crust about the margin of the waters, whose color is a vivid greenish blue.

I stepped aside a moment to let the construction train with its load of rails roll past, and stood leaning on the axle, wiping the perspiration out of my eyes until Harry's shout rang

out warningly. Then through the strident scream of brakes and the roar of blown-off steam an ominous rumbling commenced round a bend; there was a rush of flying footsteps, and Harry shouted again. I ran forward down the newly-laid track, and when I halted breathless, my first sensation was one of thankfulness followed by dismay. Harry was struggling to hold an excited team not far away. It was evident that he and the rest were safe, but it was also equally plain that we must gather our courage to meet another blow. In no circumstances could much, if any, profit have been made on that portion of the line which traversed the coulee, but we took it with the rest; and now the road-bed we had painfully scooped out had been swept away and lay a chaotic mass of debris some sixty yards below, for, loosened by the excavation, the side of the ravine had slipped down bodily.

"I'm glad you and the teams are safe," was all I could find to say when Harry met me, for I struggled against an inclination to do either of two things. One was to sit down and groan despairingly, and the other to abuse everything on the Canadian prairie. Harry at first said nothing. He was panting heavily, but another man answered for him:

"I guess you might be, and only for your partner's grit the teams wouldn't have been saved. When we saw the whole blame ravine tumbling in the only thing that struck us was to light out quick, and we did it in a hurry, not stopping to think. Something else struck your partner, too, a devastating load of dirt coming down on the teams, and he went back for them. Cut the traces of one scraper—you can see the blame thing busted in the bottom there; then there was a roar and she came down solid with a rush, while we did the shouting when he brought them safe at a gallop out of the dust."

"That's a side issue," said Harry very gravely, "and the main one is serious. Ralph, if all this slope is going to slip down it means disaster to us. You see, after what was said when we took the contract, we couldn't well back out of it, even if we wanted to. Hallo, here's his majesty the surveyor on his trolley."

With a clatter of wheels the light frame raced down the slight incline, and unloaded its occupants violently when it ran into the back of the construction train which they had stopped just in time. We did not, however, follow it, because we wanted time to think; and both our faces were anxious when the surveyor returned.

"I'm afraid it's a hard case—one of those things no man can figure on ahead—give you my word we never expected this," he said. "That bank looked solid enough, but there's more of it just waiting to go, and the whole track will have to be set back several yards or so. Anyway, it's particularly hard on you. Remembering what I told you, have you settled yet what you are going to do?"

"Yes," I answered slowly. "We made the agreement, and we mean to keep it. We'll hire more men and teams if what we have won't do. Somehow we've got to finish our bargain, and get our money back, and we'll come to the end of the ravine some day. Isn't that your view, Harry?"

"Of course!" said Harry, as the surveyor turned in his direction. By this time we had fallen into our respective parts. When there was need of judicious speech or care in matters financial it was Harry's tact or calculations that solved the difficulty, while when it came to a hard grapple with natural difficulties I led the way. Again the surveyor glanced from one to the other before he said:

"There's grit in both of you. After all, what you think does not affect the question; a contract's a contract, and we hold the whip hand over you, but I'm glad to see you take it that way."

The surveyor, as we were to learn, was a man of discernment, and he may have been making an experiment, but my blood was up, and I answered stiffly:

"The whip hand has nothing to do with it. We will carry out our agreement, because we pledged ourselves to do so; if we hadn't, ten railroad companies would not make us, and we're open to defy any man in the Dominion, director or surveyor, to force an injustice upon us."

The autocrat was not in the least angry, and smiled drily as he said: "I believe you. Well, I make no promises, but if you're not above all assistance I guess I might help you. You can lay off and rest your teams for two days anyway, while I turn loose the shovellers; then you'll want all the energy that's in you."

In different circumstances we might have enjoyed that holiday. As it was, I lay still in the sunshine all day, disconsolately staring across the prairie down the track that was apparently going to complete our discomfiture.

(Continued on Page 12.)



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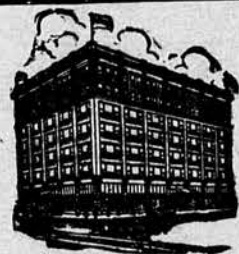
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The Last Lesson in Cooking

Send In Your Letters—The Address Is Given

BY LUCILE REBECCA BERRY

YOU have learned how to make creamed soups, scalloped dishes, custards, and pies in the three cooking lessons you have had. If you knew how to cook meat, you could get a dinner easily from the recipes you have used. The lesson this week, the last lesson in the series, is on roasting meat. Many good roasts are ruined in the oven. Little dry leathery slices of meat on the platter tell anyone who is a good cook, that a poor cook handled the roast.

Before you roast your meat, read a little about meat so that you can understand what you are doing. Meat, as you know, is made up of the muscles of animals. If you take a piece of meat you can separate it into long fibers. If you take a single fiber, you could separate it into smaller ones, and each of these could be divided again. At the last you would find tiny muscle tubes which hold a liquid called muscle juice. In cooking meat you want to keep all of the muscle juice in the piece. The way to do this is to sear the outside of the roast in heat so great that the tubes which hold the juice are made hard at the ends. This plugs the openings and keeps the juice in. Salt draws out the juices so the meat should not be salted until after the outside of the roast is hardened slightly.

Don't Wash the Roast.

Choose your roasting piece. Very probably you have butchered recently and can choose just what you want. Either pork or beef will do. Wipe your meat with a clean, damp cloth, but do not wash it, as a lot of water on it will wash away the juices you wish to retain. Have the oven very hot. Put the meat in the roaster and put it in the oven with the lid of the roaster off. Turn the meat when it has been in a few minutes. When your meat is well seared—it will take about 15 minutes—take it from the oven, sprinkle it with salt and pepper, put on the cover, and finish cooking it at a lower temperature. Let the oven cool down before putting the meat back in or it may burn. Allow 15 minutes to the pound for the meat if you wish it cooked rare, 20 minutes for medium cooked meat, and 25 minutes for a well done roast. If you are preparing a pork roast, begin in time to let it cook at least 25 minutes to the pound, for pork should always be cooked very thoroughly.

Never put water in the roasting pan. If the meat is too lean to be right, you may add drippings or some fat, but do not use water. Watch the meat, turning it as it may need it, so that it will cook evenly. Put your roast in the oven in plenty of time so that you will not need to serve it half raw, or to hurry it at the last. Do not try to roast a very tough piece of meat. Such a piece should be cooked in water to make it tender.

When you have roasted your meat, get out the notes you have kept of the other cooking results, and write to us telling of your work. To be a prize winner you must have tried each of the lessons, and have some report on them. We want to know what your mother and father said of your results, and any interesting things you experienced in trying them. Perhaps your little brother had some remarks to make which would be interesting, and some of the other girls in your neighborhood may have tried cooking. Tell us anything interesting about your work—whether your things were good or not, all about it. For the best letter telling of your cooking experiences, a gun metal initial watch will be awarded. To each of the two girls sending in the two next best

letters, a book will be sent, and to all whose letters may be published, a package of post cards will be given. Address The Junior Cooking Editor, The Farmers Mail and Breeze, Topeka, Kan. All letters must reach this office not later than December 19. Give your age to assist the judges in their decision.

Naval Code Book

Every navy has a secret code of signals different from

the ordinary code in general use. This code is used only in time of war and in the presence of the enemy. If the enemy could read the signals he could secure a great advantage. So the secret code books are carefully guarded, and none is more carefully protected than that of the United States navy. The secret code books are issued only to the executive officers of ships and every precaution is taken to prevent them being stolen by the emissaries of foreign governments. The books are bound in heavy metal covers, so that if a vessel is threatened with capture the commander may throw his code book overboard and it will sink, thus avoiding seizure.—The American Boy.

Nature's Weather Prophets

Birds and animals have no printed almanacs to warn them of changes in the weather, but according to Our Dumb Animals, certain of them have a way of predicting storms much more likely to prove correct. Spiders, when they feel windy or rainy weather coming, shorten and strengthen the guys of their webs, just as sailors take down their sails. When the storm is over, Skipper Spider lengthens the guy threads again. Seagulls predict storms by assembling on the shore. This is not so much for safety as for the sake of finding food, for they know instinctively that the rain will bring earth-worms to the surface. A similar instinct causes swallows to fly high in fair weather and skim the ground when bad weather approaches. They are simply following the gnats and flies which remain in warm air.

Farm boys are familiar with the way their own farm animals forecast the weather. Swine will carry hay and straw to a hiding place, cattle will lick themselves the wrong way of the hair, sheep will bleat and skip about, colts will rub their backs against the ground, crows will gather in flocks and crickets will sing more loudly. It is probable these actions are due to much the same sort of uneasiness felt just preceding a storm by persons with corns or rheumatism and caused by changes in barometric pressure and the electrical conditions of the air.

Boy Pages In Congress

Did you know boys go to congress? No, of course they aren't there making laws like real senators; they are there to run errands for the lawmakers, and they go by the name of pages. When a congressman has a message to send to another member, he claps his hands and several boys hurry to him from their seats on the speaker's platform. If a book is wanted from the congressional library, a page is sent for it. Doesn't that sound odd? Page boys run all sorts of other errands, too. In the summer, whenever a member rises to make a speech, a page hurries to bring him a glass of ice-water or lemonade. The pages are boys from 12 to 15 years old. They have silver badges about the size of a half-dollar, and they always wear slippers while on duty so that they will make no noise as they move about the halls.

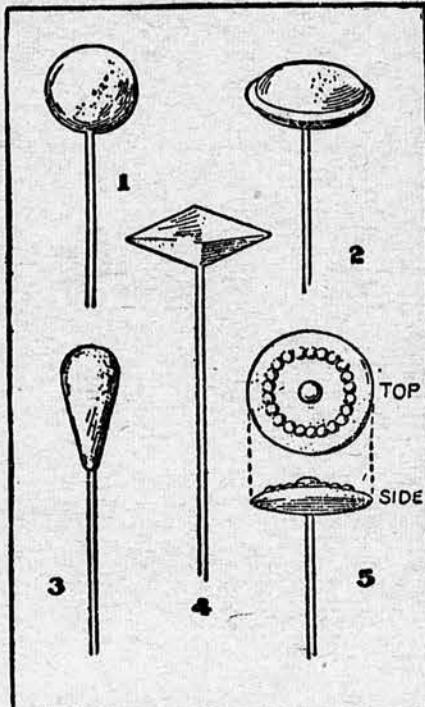
Page boys must be wide awake chaps

with good memories, for they have to know the names of all the different senators, representatives, foreign diplomats and prominent citizens. They have fine times, too, for when congress is not in session they play outdoor games, as football and baseball. When the senators are not very busy and the boys are not needed, the pages gather in the rear of the room and play marbles just as other boys. They receive \$2.50 a day for their pleasant work and often learn a great deal about the laws and government of their country. Many boys who have served as pages become senators or representatives from their own states when they are grown.

Make Your Own Jewelry

In the jewelers' windows you may see beautiful strings of beads, lavender, pink, pale blue and yellow. It would make the cost mark on them look pale and sickly if you could know what they are made of, and how simply and easily they may be made at home. It will be excellent work for a Saturday afternoon home from school, and all girls will enjoy doing it. The beads are rather more common just now than hatpins made in the same way, so some pictures of hat pins such as you can make are shown.

This jewelry is made of cornstarch, salt and water. Here are the proportions: 1 tablespoon cornstarch to 2 tablespoons of salt, to 1 tablespoon cold water.



These Hat Pins Are Easy to Make.

If you wish your beads or hat pins colored to match a dress, add the coloring material to the water. Dye may be used, or water color from your box. Mix the water with the cold starch, then heat the salt dry, in a small pan. When it is very hot, pour it in with the cornstarch and knead your paste before it hardens, to get it ready to use. Use your fingers for kneading.

To make the hatpins, you will need a common hatpin for a foundation. The fancy head is built and molded into the desired shape on this. The beads on top of the head shown in Figure 5 are pearl beads which were pressed into the mixture before it had hardened.

For the beads, roll little balls of the cornstarch paste between the palms of your hands until they are perfectly round, then pierce holes through them before they harden, for stringing. Use a silk thread to string them because it is stronger than cotton.

You can make many other little articles of jewelry out of this material; watch fobs, pendants, bracelets, crosses and other things you will think of when you get to working.

No Loss From Feeding Cane

I have been feeding second growth sorghum for some time and find that it is not poisonous to horses or cattle after it has been cured for hay or is frosted and free from sap.

Randolph, Kan. Carl L. Valine.

Perhaps it is a pity that in these modern days the hand that rocks the cradle does not oftener wield the paddle.

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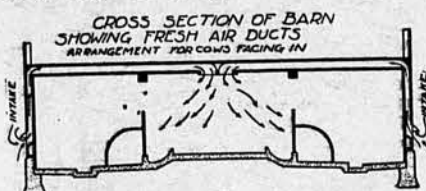
Never Out Of Fix. Topeka, Kansas.

Ventilate the Cow Barn

Damp, Foul Air Makes Conditions Ideal For Development of Colds and Tuberculosis

ONE of the worst things to be contended with in dairy barns during the winter months is the humid state of the atmosphere and its condensation on the walls and ceiling of the building. This is due to a lack of proper ventilation, and is aggravated by the lack of proper insulation. Warm air will carry a larger amount of moisture than cold air, and when it is brought in contact with a cold surface the moisture will be precipitated, and will form in drops of water on the ceiling and on the walls. A warm barn with an active circulation of the air through the ventilating flues is the best thing for this condition. There is a lot of moisture in the cow's breath, and when the ventilating currents are sluggish and the temperature is chilly, this "sweating process" will be increased.

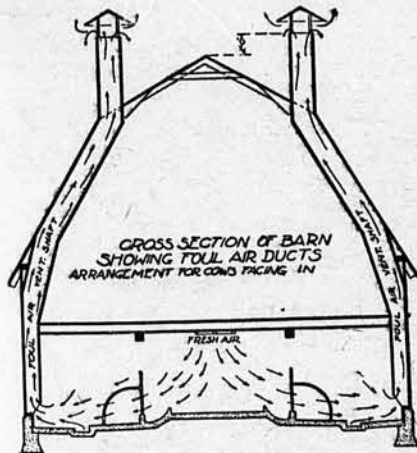
The most popular system of ventilation for dairy barns is the King system, according to the barn designers in the architectural department of the Loudon Machinery Company of Fairfield, Ia.



In this system fresh air flues are provided in the side walls; starting just high enough above the ground to keep snow from closing them up, they have intakes protected by a wire mesh to keep out birds and the flues run up to the ceiling to a damper located so the fresh air will enter the barn at the ceiling and always in front of the cows' heads. Foul air flues should start on the inside near the floor and end in a flue above the roof. The air outside being colder and heavier than the air in the room, it will tend to rush in and replace the warmer and lighter air of the room, which will be forced through the outlets to mingle with the cold air above the roof.

The pure cold air coming in at the ceiling will mingle with the warmest air in the room, and will be warmed to a considerable extent before reaching the floor. By this means the air of the room will be purified but will not be chilled as much as it would be if it was admitted through an open door or window.

The room must be as near air tight as practicable. Walls and ceiling should be insulated from outside temperature by



lining with heavy building paper, matched lumber or other non-conducting material. The foul air vent shafts must start near the floor and run up at least 2 feet above the highest point of roof. They should be smooth on inside. These shafts can be changed from oblong to square or round, but the area must remain the same for the entire length. They should be as near vertical as possible, avoid all sharp bends and horizontal runs, air tight and insulated from outside temperature, and have rain proof top. The intake should be located behind the cows so that all foul air will be drawn away from cows' heads.

Fresh air ducts also should be insulated, smooth inside, of about equal area the entire length and outside air intakes should be as far below the outlet at ceiling as is practicable, because if

the intake is level with outlet in the ceiling, the warm air near the ceiling will escape, reversing the flow of air and exhausting the heat in place of letting in fresh air.

Fresh air always should enter the room near the ceiling, and entrance of air always should be located in front of cows so the air will flow towards the cow and form a current passing beyond the cow, towards the foul air shaft, absorbing all impurities in its path.

Fresh air ducts should be well and equally distributed along the ceiling of feeding alley; a number of small ducts are better than one large duct of equal area. Foul air vents can be made larger and less in number.

Foul air vent ducts take up least amount of room and are cheapest to build if built into the outside walls as shown in the sketch and fresh air ducts can be run to center of ceiling as well as not. For this reason we recommend that the cows be stanchioned facing in.

Bottle Milk While Hot

The process of bottling pasteurized milk while still hot has several advantages. That this method will prove both economical and efficient when practiced on a commercial scale is the belief of investigators in the United States Department of Agriculture. They believe that this method results in bacterial reductions as great as by pasteurization in bottles.

The principal advantage of pasteurizing in bottles is the impossibility of the milk becoming contaminated again while being bottled. There is also some saving of milk, because there is no loss from evaporation. When milk is pasteurized in bottles, it is customary to cool the bottles by placing them in cold water. This necessitates the use of absolutely water-tight caps, otherwise some of the cold water is likely to find its way into the milk bottles. Even a very slight leak may result in contamination. Waterproof caps are expensive, and bottles with chipped or otherwise damaged tops cannot be used, no matter how nearly perfect the cap may be.

Laboratory experiments indicate that milk may be pasteurized, bottled hot, capped with ordinary cardboard caps, and cooled by a blast of cold air. The air-cooling process requires a somewhat longer time than cooling by water, but in the laboratory it was found that thoroughly pasteurized milk, bottled immediately, could be cooled slowly without increasing the bacterial content. Before the milk is poured into them, the bottles should be steamed for two minutes. This removes all danger of infecting the milk from the bottles, and is another advantage that this new method possesses.

Records of Abilene Cows

The largest butterfat record made last month in the Dickinson county cow testing association of Abilene, Kan., was 48½ pounds. This was made by a Holstein cow owned by J. T. Leshner. A Jersey cow owned by J. R. Sterling was second with a record of 48 1-10 pounds of butterfat.

The best milk production record for the month was made by a Holstein cow on the farm of E. S. Engle and Son. She produced 1,317 pounds of milk. The second best milk record was 1,308 pounds, and was made by a Holstein cow on the Acme Stock Farm.

All the cows tested in this association, that produce at least one pound of butterfat a day, are considered worthy of mention in the monthly reports made by John V. Joy, the official tester. Thirty-three cows, owned by 11 men, were on this list last month. The owners of these cows, and the breeds represented, are as follows: R. E. Hershey, 3 Holstein cows; J. R. Sterling, 2 Jerseys; Bruce Cliggen, 1 Jersey; O. L. Thisler, 2 Guernseys; Dave Sheets, 1 Jersey and 1 Shorthorn; George Lenhart, 2 Holsteins; L. L. Engle, 1 Shorthorn and 2 Holsteins; J. T. Leshner, 2 Holsteins and 4 Shorthorns; E. S. Engle and Son, 8 Holsteins; Avara Engle, 1 Holstein; Acme Stock Farm, 3 Holsteins.



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If you will cut out this picture and fit the puzzle together correctly and mail it to us within one week, we will send you, as a prize for your skill, **Four Startling Wonder Pictures**, dissolving views that mysteriously vanish, transform and reappear repeatedly before your astonished gaze. Also some beautiful **Holiday, Greeting, Birthday and Remembrance post cards**, also delightful new stories as samples of the kind we publish. Remember, they are given to you if you send us the above picture put together correctly and enclose four cents to pay postage on your prize, and we will also send you our grand cash prize offer including 917 cash prizes if you request it.

COMFORT PICTURE PUZZLE, Dept. 13 Augusta, Maine.

Lorimer of the Northwest

(Continued from Page 9.)

and smoking until my mouth was blistered. Where Harry went to I did not know. On the second evening, however, our new partner, who had been back to the main line for supplies, came in, and listened with apparent unconcern while we explained matters to him. Acting under impulse, I even suggested that we might release him from his unfortunate bargain, but he laughed as he answered:

"You're generous, but it can't be done. Experiences of this kind are not new to me, and I'm a Jonah, as I warned you. Still, when bad luck follows one everywhere—floods on the Fraser, cattle-sickness, snow coming heavy just when one is finding signs of gold—you know there's no earthly use running away from it, and it's wisest to laugh at fortune and stay right where you are. Daresay we'll come out on the right side yet; and if you don't, in fifty years it won't make much difference. Now try to look less like guests at a funeral, and talk of something cheerful."

I made some moody answer and envied him his way of taking things, while Harry tried to smile, and Johnston, lifting down a banjo, began a plantation ditty, which he sang with so much spirit that presently he had most of the shovel gang for an appreciative audience. After this they went away to their canvas dwellings, and I knew that Ellsworth Johnston was one of those born soldiers of fortune who extract the utmost brightness from an arduous life, and, meeting every reverse with a smiling face, cheerfully bear their ill-rewarded share in the development of Greater Britain beyond the seas. One may find a good many of them on the Western prairie.

We resumed work the next morning, and, under the delicious still coolness of the Indian summer, we increased the strain on nerve and muscle and cut down the grocery bill, though I insisted on feeding the horses even better than before. It is never economy to stint one's working cattle, especially when one demands the utmost from them, besides being a procedure which is distasteful to any merciful man. However, though we had to hire more horses, wondering how we would ever pay for them when the contract was finished, the track crept on along the treacherous slope, where we scooped out a double width as basis, winding among the birches in glistening, sinuous curves, while the end of the valley grew nearer every day. Again Harry and I lapsed into the excitement of a race against adversity, because unless we were well out on the open prairie before winter bound the sod into the likeness of concrete there could be no hope of even partly recouping our loss. Even Johnston seemed infected with our spirit; but while we generally worked in dogged silence, he had ever a jest on his lips.

One evening—and the days were shortening all too rapidly—when I sat tired and dejected on an empty provision case, a rail-layer brought in several letters, and, as usual, they were all for me. Harry stood bare-armed, with the dust still thick upon him, just outside the entrance of the tent, holding a spider over our little stove, and glanced half regretfully toward the budget. No one ever seemed to write to Harry. The first was from Jasper. He had visited Brandon and Winnipeg on business, and wrote in his usual off-hand style.

"I've been in to see those dealers, taking my best broker along, to convince them that we only raised solid men in this section," it ran. Thought I'd enlighten them about you, and the broker laid himself out to back me. He gets all my business—see?—while you can't beat a Winnipeg broker at real tall talking. I should say we impressed them considerably; or perhaps it was the big cigars and the spread at the hotel. Said they'd sense enough to know a straight man when they saw him, and they'd give you plenty time to pay in. So all you've got to do is to sail right on with the track-grading. The boys were saying down to Elktall that Fletcher and his father-in-law don't get on, and there's going to be trouble there presently. I think the old man started in to reform him, and Fletcher don't like unlimited reform."

"Just like Jasper," said Harry. "A woman's heart, and the strength of three ordinary men. Still, when Jasper starts in with a rush no man can say where he'll finish, and we may hear next that he has been all round Winnipeg on our account borrowing money." Then the new partner, who was splitting firewood close by, laid down his axe as he said: "Hope you'll introduce me to Jasper some day. From what you say, he is a man worth knowing." There were two more letters and the next—my fingers trembled as I

opened it—was from Grace. It was dated from Starcross House, in Lancashire, and written in frank friendliness, expressing regret at our misfortune, which, it seemed, she had heard about, and ending: "But by this time you will have learned that there are ups and downs in every country, and I know you both have the courage to face the latter. So go on with a stout heart, believing that I and all your other friends look for your ultimate success." To this there was a postscript: "I met your cousin, Miss Lorimer, the other day, and was sorry to find her very pale and thin. She had just recovered from a serious illness, and seemed troubled when I told her how you had lost your harvest."

I placed the thin sheets reverently in an inside pocket, and read them afterward over and over again, because I might not answer them. She had written out of kindly sympathy when the news of our trouble first reached her, and that was all; while I felt I could not write a mere formal note of thanks—and more than this was out of the question now. Nevertheless, I was thankful for her good wishes, and then I stood silent under the starlight, staring down the misty coulee and thinking of Cousin Alice as mechanically I stripped the envelope from the next letter. She had always been alluring, even in the days when we were almost as brother and sister; and now I longed that I might comfort her as in my periodical fits of restlessness she used to soothe me. That, however, was impossible, for my cousin was part of the sheltered life I had left behind across the sea, and I was in Western Canada with a very uncertain future before me.

Then, moving back into the light of the lamp, I read the last letter. With a gasp of astonishment, I handed it to Harry, saying: "I can make nothing of this. Who in the wide world can have sent the money?"

He laid down the spider, and, bending until the glow from the tent door fell on the paper, read:

"Mr. Ralph Lorimer of Fairmead. Sir—We have received \$1,000 from a correspondent whose identity we are not at liberty to reveal, to place to your credit. If you prefer, you may regard this amount as an unsecured loan and repay it with current interest on opportunity. Otherwise it is unconditionally at your disposal, and we will have pleasure in honoring your drafts to that extent."

"You're a lucky man," said Harry. "What will you do with it?" And I answered with some hesitation:

"I don't exactly know. Tell them to send it back, most likely. We can both take care of ourselves without depending on other people's charity like remittance men. And what right has any unknown person to send money to me? My friends in England have apparently cast me off utterly, and in no case would I accept a favor from them. Still, I should like to discover who sent it."

"It's someone who knows your little —we'll say peculiarities," answered Harry drily. "I sometimes wonder, Ralph, what makes you so confoundedly proud of yourself. Can't you take it in the spirit it's evidently meant, and be thankful? You are not overburdened with worldly riches at present, anyway."

To this I made no answer. We needed money badly enough—that at least was certain; and after our frugal repast I marched up and down the line, thinking it over, and then, chiefly for Harry's sake, I decided to accept the sum as a loan. It would materially help to lighten that other crushing load of debt; and though growing more and more puzzled, I felt, as Harry did, there was yet a great kindness behind it.

TO BE CONTINUED.

Swine Growers to Meet

All breeders and growers of swine in the United States who are interested in the formation of a national association are asked to meet at the Fort Dearborn hotel in Chicago, December 2. The members of the Illinois Swine Breeders' association are taking the initiative in this movement to start a national organization. There is no doubt that an association of this kind would have a wonderful influence in the development of the swine industry of this country. A period of co-operation is just starting. Farmers are beginning to realize there is strength in union.

It is possible that the foundation for a national swine show will be started at this meeting. The originators of the idea had this in mind. Pork production is one of the most important phases of the livestock industry in Kansas consequently this state should be well represented when the national organization is perfected.

Champion Deering McCormick Milwaukee Osborne Plano

FARMERS CLASSIFIED PAGE

Advertisements will be inserted in this department for 5 cents a word each insertion for one, two or three insertions. Four or more insertions 4 1/2 cents a word each insertion. Remittances should preferably be by postoffice money order. All advertisements are set in uniform style. No display type or illustrations admitted under any circumstances. Each number or initial counts as one word. Guaranteed circulation over 104,000 copies weekly. The rate is very low for the large circulation offered. Farmers Mail and Breeze is the greatest classified advertising medium in the farm paper field. It carries the most classified advertising because it gives the best results. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery goods, for renting a farm, for securing help or a situation, etc., etc. Write for proof that it pays. Everybody reads these little ads. Try a classified for results.

POULTRY

RHODE ISLAND REDS.

R. C. RED COCKERELS AND PULLETS. Winifred Shepherd, Woodward, Okla.

SINGLE COMB RED COCKERELS, \$1.00 TO \$3.00. Napoleon Barland, Damar, Kan.

ROSE COMB RED COCKERELS, \$1.50-\$2.00 each. Mrs. Abbie Rlenlets, Pratt, Kan.

CHOICE PURE BRED ROSE COMB RED cockerels, Mrs. Jas. Crocker, White City, Kan.

A LOT OF GOOD COLORED S. C. RED cks. at \$1 each. B. W. Stewart, Talmage, Kan.

R. C. RED COCKERELS \$1 EACH. BOURBON Red toms \$3.50. Mrs. Jas. Shoemaker, Narka, Kan.

EXTRA FINE R. C. RED COCKERELS, \$1.00 and \$1.50 each. Mrs. C. B. Johnson, Garrison, Kan.

THOROUGHbred S. C. R. I. RED COCKS and cockerels. Winners last season. James Sisters, Olathe, Kan.

SINGLE COMB RHODE ISLAND RED cockerels, \$1.00 up. Extra good. Jas. B. Abel, Circleville, Kan.

LARGE TYPE, DEEP BRILLIANT, ROSE Comb Red cockerels \$1 to \$3. Ason Hinkson, Valley Center, Kan.

LARGE, DARK, BRILLIANT ROSE COMB Reds, Cockerels, pullets. Bargains. Sunnyside Farm, Havensville, Kan.

LARGE, DARK, VELVETY, R. C. RED cockerels, \$1.50 to \$5.00. Bourbon Red turkeys. Charles Sigle, Lucas, Kan.

BIG BONED, FARM RAISED RED COCK-ers, both combs, at right prices if ordered at once. H. A. Sibley, Lawrence, Kan.

DARK ROSE COMB RED COCKERELS from long bodied, big boned, laying strain, \$2 to \$5. Frank Hamilton, Derby, Kan.

ROSE COMB RHODE ISLAND RED COCK-ers; pure bred; satisfaction guaranteed. Albert Trester, Great Bend, Kan., R. 3.

LARGE ROSE COMB REDS: WINNERS last year. Satisfaction guaranteed. Roberts & Bauman, Box 426, Holsington, Kan.

THOROUGHbred RED COCKERELS, both combs \$1 to \$5. Guaranteed first class values. Excellent show record. Marshall's Poultry Yards, La Cygne, Kan.

ROSE COMB RED COCKERELS, PULLETS and hens. Scored. Bean strain. Prices reasonable. Nora Ingraham, Manhattan, Kan.

LARGE R. C. REDS. REDUCED PRICES for 30 days. 6 \$1 cks. \$5. 5 \$2 cks. \$3. Show birds \$3 to \$5. Banbury's Pooled, Shorthorn & Poland China Farm, Pratt, Kan.

WYANDOTTES.

WHITE WYANDOTTE COCKERELS \$1 each. Mrs. M. F. Austin, Miltonvale, Kan.

COLUMBIAN WYANDOTTE COCKERELS, \$1.00 each. Bertha Chacey, Meriden, Kan.

PARTRIDGE WYANDOTTES. CIRCULAR. Premium list. Oscar Huston, La Junta, Colo.

WHITE WYANDOTTE COCKERELS—FINE large heavy bone fellows. Andrew Kosar, Delphos, Kan.

GOLDEN WYANDOTTES. CHOICE COCK-ers. Prices reasonable. D. Lawver, Route 3, Weir, Kan.

25 FINE BUFF WYANDOTTE COCKER-els, \$1.50 and \$2.00, while they last. Alma Pizel, Johnson, Kan.

CHOICE BUFF WYANDOTTE COCKER-els, pullets, hens. Prices right. John P. Ruppenthal, Russell, Kansas.

WHITE WYANDOTTE COCKERELS FROM \$1.50 up. Can please you. Mrs. Geo. Downie, Lyndon, Kan., Rt. 2.

FOR SALE—100 HEAD OF GOLDEN WY-andottes; state fair winners for 10 years. Price reasonable. W. B. Fulton, Sulphur, Okla.

SILVER LACED WYANDOTTE COCK-ers. Pure bred. Write for circular. Price \$1 to \$3 each. Satisfaction guaranteed. S. B. Dressler, Lebo, Kan.

CHOICE WHITE WYANDOTTE COCK-ers from prize winners. You can't duplicate them for price. \$1.50 while they last. I. B. Pixley, Wamego, Kan.

SILVER WYANDOTTES EXCLUSIVELY. Farm raised. Tarbox strain. From prize winning stock. Choice cockerels \$1.50, \$2.00, \$2.50, \$3.00. Mrs. Edwina Shuff, Plevna, Kan.

WHITE WYANDOTTES. HENS AND PUL-lets \$1 and \$2. Cocks and cockerels \$2 to \$5. Bred from special mated prize winners. Plocks White Wyandotte Farm, R. 3, Clay Center, Kan.

BRAHMAS.

A FEW FINE LT. BRAHMA COCKS AND cockerels; prices reasonable. Mrs. F. O'Daniel, Westmoreland, Kan.

PLYMOUTH ROCKS.

BARRED ROCK COCKERELS \$1 EACH. W. G. Bull, Marysville, Kan.

BUFF ROCK COCKERELS FOR SALE. William A. Hess, Humboldt, Kan.

FIFTY CHOICE BUFF ROCK COCKERELS \$5.00 each. J. J. Bleakley, Abilene, Kan.

BARRED COCKERELS, \$1.00. TEN YEARS breeding. W. Speelman, Marysville, Kan.

BIG TYPE BARRED ROCKS. SHOW birds and breeders. A. H. Duff, Larned, Kan.

CHOICE BUFF ROCK COCKERELS \$1.50 to \$3 each. Mrs. Homer Davis, Walton, Kan.

FIFTY BUFF ROCK COCKERELS; REA-sonable prices. Mrs. M. E. Stevens, Hum-boldt, Kan.

100 BUFF ROCKS. COCKERELS \$1.50. Pullets \$9.00. Geo. R. Scherman, R. 3, Olathe, Kan.

BUFF ROCK COCKERELS. PRIZE WIN-ners. Extra fine. Mrs. Pearl White, Union-town, Kansas.

CHOICE BARRED ROCK COCKERELS. Heavy laying strain; \$2 each. L. B. Brady, Fowler, Kan.

PURE BRED BARRED ROCK COCK-ers. Farm raised. \$1 each. Mrs. Wayne Squires, Holton, Kan.

FULL BLOOD BARRED ROCK COCK-ers, \$2.50 and \$3.00 each. Mrs. John Yowell, McPherson, Kan.

WHITE ROCK COCKERELS \$2.00 TO \$5.00. Won four firsts Kansas State Fair, 1914. W. H. Beaver, St. John, Kan.

TWELVE YEARS EXCLUSIVE BREED-ing White Rocks. April cockerels \$1.25. O. J. Stoker, Hartford, Kansas.

BARRED PLYMOUTH ROCK COCKERELS from prize winners, \$1.00 and \$1.50 each. Mrs. C. N. Bailey, Lyndon, Kan.

BARRED ROCK COCKERELS AND PUL-lets. Two hundred fine birds at \$1.00 each. 12 for \$10. Theo. Jung, Lyons, Kan.

WHITE ROCKS. BIG SNOW WHITE cks., hens and pullets for sale, (Ivory strain) originated by Chas. C. Fair, Sharon, Kan.

PURE BARRED ROCK COCKERELS. FINE, large, early hatched. Price \$1.50 each. Farm raised. Mrs. H. Buchanan, Abilene, Kan.

BARRED ROCK COCKERELS. PURE bred in pens from best selected matings, raised on free range, \$2 each. Mrs. S. O. Combs, Severy, Kan.

COOK'S BARRED ROCKS—I HAVE THE finest lot of cockerels I ever raised, have a few left at \$1 to \$3 each. Chas. J. Cook, Box B, Marysville, Kan.

RINGLET BARRED ROCK COCKERELS. Hatched from my winners; large, strong, and vigorous; beautiful barring; \$2.00 each. Write today. J. T. Roberts, Union Star, Mo.

ONE HUNDRED RINGLET BARRED ROCK cockerels for sale. Both matings. Barred to skin. Prices \$1 to \$5. Write me your wants quick. Only thirty days' sale. M. P. Thielen, Barred Rock Fancier, Lucas, Kan.

LEGHORNS.

BROWN LEGHORN COCKERELS 75C. Ira Freil, Corning, Kan.

1,000 WHITE LEGHORNS CHEAP. PRO-gressive Poultry Farm, Hampton, Iowa.

S. C. BROWN LEGHORN COCKERELS for sale. H. W. Dickson, Quenemo, Kan.

SINGLE COMB BUFF LEGHORN COCK-ers \$1.00 each. Alf. Johnson, Leonard-ville, Kan.

PURE SINGLE COMB WHITE LEGHORN cockerels from pen \$1 each. Nellie Gish, Mayetta, Kan.

CHOICE SINGLE COMB WHITE LEGHORN cockerels, \$1. 6 for \$5. Dick Higley, Cummings, Kan.

FINE ROSE COMB BUFF LEGHORN CKLS. and hens for sale. Goldenrod Poultry Farm, Mesa, Colo.

ROSE COMB BROWN LEGHORN COCK-ers \$1.00 and \$1.50 each. A. L. Dutton, White Cloud, Kan.

SINGLE COMB BROWN LEGHORN COCK-ers \$1.00 each. Six for \$5.00. Mrs. Wm. Brooks, Beattie, Kan.

A FEW GRAND TRIOS OF SINGLE COMB Buff Leghorns. Ckl. and two pullets \$5.00. Ida Sisac, Mesa, Colo.

CHOICE COCKERELS FOR SALE. SINGLE Comb White Leghorns. A few hens. Vira Bailey, Kinsley, Kan.

FINE SINGLE COMB WHITE LEGHORN cockerels, \$1.00 each. Six \$5.00. Hattie Jones, Jamestown, Kan.

150 S. C. WHITE LEGHORN COCKERELS, early hatched, \$1.00 each. 6 \$5. Mamie Immer, Mullinville, Kan.

CHOICE SINGLE COMB BROWN LEG-ern cockerels \$1.00. Hens 60 cts. Pullets 50. F. B. Cole, Sharon, Kan.

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80 PRIZEWINNING PURE SINGLE COMB Brown Leghorn cockerels 75 cts. each. Chas. Dorr, Osage City, Kan.

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SPECIAL SALE S. C. BROWN LEGHORN cockerels \$1 each if taken before Christ-mas. Mrs. A. Anderson, Greenleaf, Kan.

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BUFF ORPINGTON COCKERELS. NEW stock for old customers. Mrs. T. N. Beckey, Linwood, Kan.

KELLERSTRASS CRYSTAL WHITE ORP-ington hens and cockerels for sale. Edith Vincent, Jamestown, Kan.

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WHITE ORPINGTONS. COCKERELS WON second and third Garnett October show. \$2 each, three for \$5. L. J. West, Garnett, Kan.

LARGE BUFF ORPINGTON COCKERELS and pullets. Write for prices. Also fine Toulouse ganders \$2.50 apiece. Floyd Simon, Olsburg, Kan.

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WHITE ROCKS, BARRED ROCKS AND Silver Campines. Catalog. Sidney Schmidt, Chillicothe, Mo.

COCKERELS — BUFF LEGHORN AND Buff Wyandotte, \$1.00. Frank Doty, Maple Hill, Kan.

BOURBON RED TURKEYS AND R. I. R. C. chickens for sale. Mrs. August Baker, Ashgrove, Mo., R. R. 1.

FINE WHITE ROCK COCKERELS \$2. Also Indian Runner drakes. Mrs. E. E. Williams, Sabetha, Kan.

FIVE FIRSTS AND THREE SECONDS AT Claremore fair. Cockerels \$2.00 each. W. S. Crouch, Claremore, Okla.

BUFF LEGHORN COCKERELS, BUFF Orpington cockerels and pullets \$1 each. Mrs. Geo. Jameson, Garrison, Kan.

BARGAIN IF TAKEN SOON. PART-ridge Wyandottes, Single Comb Reds, Rose Comb Whites. W. W. Eddy, Havensville, Kan.

BOURBON RED TURKEYS. TOMS \$3.00, hens \$2.00. Rose Comb Red cockerels and few good yearling cocks, \$1.00 to \$5.00. V. E. Bailey, Fargo, Okla.

BIG BARGAINS IN LEGHORNS, WYAN-dottes, Rocks, Minorcas, Campines, Reds, Orpingtons, ducks, geese, turkeys and guineas. Progressive Poultry Farm, Hampton, Iowa.

FOR QUICK SALE—15 SINGLE COMB White Leghorn cockerels \$1.00 each, 6 for \$5.00. Come quick if you want them. 18 Rose Comb Black Minorca hens and pullets, 1 cock, 3 cockerels, \$1.00 each if taken soon. J. L. Deeds, Lyons, Kan.

MINORCAS.

ROSE COMB BLACK MINORCAS—MATED pens, cockerels, and good breeding stock. Eggs booked for 1915 season. Fred Kelm, Seneca, Kan.

ANCONAS.

ANCONA COCKERELS FOR SALE. O. L. Burnett, Council Grove, Kan.

ANCONA COCKERELS FOR SALE; 75 cents each. John Smutny, Irving, Kan.

TURKEYS.

MAMMOTH BRONZE TURKEYS, \$2.50. Mrs. Fred Burgin, Coats, Kan.

MAMMOTH BRONZE TURKEYS. MRS. Fay French, Jamestown, Kan.

PURE BRED BOURBON RED TURKEYS. John Carroll, R. R. 2, Lewis, Kan.

MAMMOTH W. H. TURKEYS FOR SALE. Mrs. Hattie King, Burlington, Kan.

MAMMOTH WHITE HOLLAND TURKEYS. Mrs. W. U. Stevens, Paradise, Kan.

WHITE HOLLAND TURKEYS. MRS. T. L. Groberg, Clay Center, Kan., Rt. 1.

DARK BOURBON RED TOMS, \$3.50; HENS \$2.50. Mabel Howard, Burr Oak, Kan.

MAMMOTH BRONZE TURKEYS. TOMS \$4. Hens \$3. Eulalia Bichel, Haddam, Kan.

FINE BOURBON RED TURKEYS; PRICE reasonable. Hattie Hart, Eureka, Kan., R. 2.

NARRAGANSETT TURKEYS. HENS \$4.00. Toms \$5.00. Mrs. Lessie Sewart, Hollis, Kan.

PURE BRED BOURBON RED TURKEYS. Toms \$3.50. Hens \$3.00. George Sewart, Hollis, Kan.

PURE BRED BOURBON RED TURKEY TOMS \$3.50. Hens \$3. Mrs. Bertha Fortney, Clyde, Kan.

WHITE HOLLAND TURKEYS. TOMS three dollars; hens two fifty. Zella Sewart, Hollis, Kan.

MAMMOTH BRONZE TURKEYS. TOMS \$4. Hens \$3. Extra fine. Willard Zink, Turon, Kan.

PURE BOURBON RED TURKEYS \$4.00 each; \$10.00 a trio. Mrs. Oscar Kosar, Minneapolis, Kan.

TURKEYS—WHITE HOLLAND, EITHER sex. Write me your wants. Andrew Kosar, Delphos, Kan.

THOROUGHbred BOURBON RED TUR-neys. Toms \$3.50, hens \$3.00 Stella Nor-ton, Clyde, Kan.

50 THOROUGHbred BOURBON RED TOMS, \$4 each. Elmer Thompson, Route 3, Harper, Kan.

PURE BRED BOURBON RED TURKEYS. Hens \$2.50, toms \$3.50. Mrs. Chas. Slingsby, R. 4, Howard, Kan.

WHITE INDIAN RUNNER DRAKES \$1.50. Bourbon Red turkey toms \$3.50. Thos. Turner, Seneca, Kan.

PURE BRED BOURBON RED TURKEYS. Toms \$3.50. Hens \$3.00. Mrs. Robert Trimble, Clyde, Kan.

BOURBON RED TURKEYS—TOMS \$4.00 and hens \$3.00. Mrs. C. R. Durham, Republic, Kan., Rt. 2.

BOURBON RED TURKEY TOMS \$4 HENS \$3. Trios \$10. Old trios \$12. Mrs. D. W. Shipp, Belleville, Kan.

MAMMOTH BRONZE TURKEYS FOR SALE. Sire prize winner, weight 50 lbs. L. R. Wiley, Eldorado, Kan.

FINE HEAVY BONE MAMMOTH BRONZE turkeys. Toms \$5. Hens \$3.50. Mrs. Edd Hixenbaugh, Logan, Kan., R. 3.

PRIZE WINNER MAMMOTH BRONZE turkeys. Toms \$5.00. Hens \$3.00. Miss Nellie Fletcher, Mound City, Kan.

BOURBON RED TURKEYS — BEST strains. Hens \$2; toms \$3. Mrs. Chas. Mitchell, Route 3, Neodesha, Kan.

FINE THOROUGH BOURBON RED TUR-neys for sale; hens \$3.50, toms \$5.00. Mrs. A. R. Robeson, Centralia, Kan.

WHITE WINGS AND TAIL BOURBON RED turkeys; 20 lb. toms \$4.00; 12 lb. hens \$3.00. Mrs. A. W. Powers, New Albany, Kan.

JOHNSON'S GIANT BRONZE TURKEYS. Great size, beautiful plumage. Vigorous, healthy stock. Oklahoma's first premium winners. Jed Johnson, Walters, Okla.

DUCKS.

WHITE INDIAN RUNNERS. MRS. W. U. Stevens, Paradise, Kan.

INDIAN RUNNERS, SILVER CUP WIN-ners. Burt White, Burlingame, Kan.

AMERICAN STANDARD RUNNER DUCKS. Either sex \$1.00 each. B. A. Van Gundy, Osborne, Kan.

FAWN-WHITE RUNNER DUCKS \$1.00. Good stock. Special prices on pens. Eva Neal, Climax, Kan.

ABSOLUTELY PURE BRED WHITE IN-dian Runner drakes, \$1.50. Good Houdan cockerels, \$1.00. Geo. Simpson, Milton, Kan.

FOR SALE—WHITE INDIAN RUNNER drakes, \$2 each. Stock direct from Fishel Snowflake strain. Paul Pollock, Sol-dier, Kan.

FEW MORE LIGHT FAWN AND WHITE Indian Runners of my 280 white egg strain. Ferris trapped 200 egg laying strain of White Leghorns. \$1.50 each. Frank Fisher, Wilson, Kan.

LANGSHANS.

PURE BRED BLACK LANGSHAN COCKERELS, \$1 to \$2 each. Minnie Manley, Meriden, Kan.

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BLACK LANGSHANS EXCLUSIVELY. Prize winning stock for sale at reasonable prices. Mrs. U. G. Mason, Keytesville, Mo.

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BUY A REAL LIVE XMAS PRESENT FOR the children this year. No pet equal to a guinea pig. \$2 buys a beautiful pair. Send stamps for pictures and information. Page's Pet Stock Place, Salina, Kan.

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BIG BONED SPOTTED POLAND CHINA hogs. Write Isaac Smith, Eudora, Kan.

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FOR SALE OR TRADE—8 ROOM HOUSE, 3 lots, 1 barn, all in good repair, 1 good well. Box 34, Scranton, Kan., 1319 Central Ave.

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TO TRADE FOR UNNUMBERED FARM land of equal value, seven-passenger, 45-horsepower Winton Six automobile, fully equipped, self-starter, top and windshield. Cost \$3,000 when new. This is a great family touring car, in first-class condition, and has only been used by owner. T. D. Costello, 1512 Waldheim Bldg., Kansas City, Mo.

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FOR SALE OR TRADE: A BEAUTIFUL half section in Morton county, Kansas; level as a floor and fine land. Price \$3200.00. Mortgaged for \$1800.00. Will trade equity for clear real estate. Also nice four room house in Hillsboro, Ill., other out buildings, lots of fruit, two acres of land fronting on rock street and car line. Price \$3200.00. Incumbrance \$1400.00. Will trade equity for clear western land. Write for pictures. S. D. Canaday, Hillsboro, Ill.

FOR SALE

FOR SALE—TWO CAR LOADS OF PRAIRIE hay. E. C. Berner, Walton, Kan.

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HONEY—FANCY LIGHT AMBER ALFALFA, \$10.50 2 60-lb. cans amber; 2 60-lb. cans \$10.00, single cans 25 cents extra. Bert W. Hopper, Rocky Ford, Colo.

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LANDS

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1/2 SECTION RAW UNIMPROVED LAND, nine miles Brownell. Want city property, mdse., horses or stallions. Price \$15. Will give time on part. John Herbert, Ellis, Kan.

LANDS

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GOOD IMPROVED 40 ACRES; HOG- fenced all around, for \$350.00 cash, balance on terms. Mrs. Wm. Norris, Charity, Mo., Rt. 1.

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FOR SALE—AN 80-ACRE STOCK FARM, with 12 head of Jersey cows and calves; everything in good shape; write for particulars. Owner, C. O. White, Neosho Rapids, Kan. No trade.

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240 ACRES, 3 MILES OF WARD, 28 OF Little Rock, Arkansas. Improved, all smooth and tillable. No rock or waste. Good water. Price \$7,200. Wants clear western land. J. B. Wood, Seneca, Kan.

STOCK FARMS FOR SALE—888 ACRES, 480 acres, 566 acres, 1020 acres, 1046 acres, 1020 acres bayou farm, many smaller tracts; prices range from \$10 to \$30 per acre. Address J. A. Watkins, Warren, Arkansas.

FOR SALE—40 ACRES WELL IMPROVED land close to Concordia, Kan., and 160 acres of fine land in eastern Colo., and 160 acres pasture land in western Okla. Price \$5,000 if taken up soon. For particulars address owner, M. F. Welch, Concordia, Kan.

WELL-IMPROVED 80-ACRE FARM, ONE mile from good railroad town; 60 acres in cultivation, good new buildings, young orchards, city school, 2 good wells; old age and alone the reason for selling. Address P. J. Sull, Grove, Okla.

PRODUCTIVE STATE AND DEEDED lands, crop payment or easy terms—along the Northern Pacific Ry., in Minnesota, North Dakota, Montana, Idaho, Washington and Oregon. No isolated pioneering. Free literature. Say what state interests you. L. J. Bricker, 440 Northern Pac. Ry., St. Paul, Minn.

FOR SALE OR RENT—40 ACRES, 3 MILES of Carbondale, Kan.; 30 under cultivation, balance pasture and little timber on creek; 2-room house, barn, cow lot, chicken house and corn crib; 1 mile to good school; 3 to church and store; fine neighborhood. Am a widow and must sell or rent quick. Bargain. Mrs. Rachel Layman, Carbondale, Osage Co., Kan.

ARKANSAS—A NEW SECTION OF AR- kansas has been opened by the Missouri & North Arkansas Railroad; opportunities for the farmer, merchant and timber man; good land at low prices; there is no malaria in this section; an abundance of good spring water; land values are increasing daily; this is in the high lands of Arkansas; write for new booklet, "Oak Leaves," containing full information. Jay Kerr, G. P. A. Harrison, Ark.

FINE TOPEKA HOME FOR SALE—I WILL sell my place in Topeka, located on the most beautiful street in the city, near limits of city, two blocks from street car, two blocks from fine school, fine old shade, park like surroundings, lot 61 1/2 by 205 feet, eight room house, modern in every detail, hardwood finish, four fine mantels and grates, of oak, brick and tile, big sleeping and dining porch, both screened, barn, poultry houses, etc., etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or terms. Interest only 6 per cent instead of the usual 7 per cent. No trade. Address R. W. E., care Mail and Breeze.

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HOTEL 17 ROOMS, STEAM HEAT, ACETY- lene lights, doing good business; want land. R. H. Wigner, Gridley, Kan.

WANTED TO HEAR OF GOOD FARM OR unimproved land for sale. Send description and price. Northwestern Business Agency, Minneapolis, Minn.

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BE A DETECTIVE. EARN \$150 TO \$300 per month; travel over the world. Write Supt. Ludwig, 401 Westover Bldg., Kansas City, Mo.

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WILL PAY RELIABLE WOMAN \$250 FOR distributing 2,000 packages Perfumed Soap Powder in your town. No money required. M. Ward & Company, 218 Institute Place, Chicago.

MEN AND WOMEN 18 YEARS OR OVER wanted for government jobs. \$65 to \$150 month. 2000 appointments monthly. Excel- lent chance for farmers. Vacations. No layoffs. "Pull" unnecessary. List of positions free. Write immediately. Franklin Institute, Dep't N 51, Rochester, N. Y.

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FIREMEN, BRAKEMEN, RAILROADS near your home, \$100-\$120. Experience unnecessary. Send age, postage. Railway As- sociation, Dept. P-46, Brooklyn, N. Y.

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HEDGE POSTS FOR SALE IN CAR LOTS. H. W. Porth, Winfield, Kan.

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COLLIE DOGS. CRAMER, DUNLAP, ILL.

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WILL PAY RELIABLE MAN OR WOMAN \$12.50 to distribute 100 free pkgs. Per- fumed Borax Soap Powder among friends. No money required. M. B. Ward Company, 218 Institute Pl., Chicago.

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Plants Poisonous to Stock

Six poisonous plants that cause heavy losses of livestock on western ranges are described in a circular published by the U. S. Department of Agriculture. Several full page photographs are shown in this circular, the title of which is "Principal Poisonous Plants of the Western Stock Ranges." Descriptions of the plants which should enable the stockman to identify them easily are given with the illustrations. The symp- toms peculiar to the different forms of poisoning caused by these plants also are given.

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JEWELL CO. improved 160 acres, \$35 per acre. J. H. King, Cawker City, Kan.

REAL ESTATE MEN, write for special land deal. Lock Box 166, Syracuse, Kan.

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240 A. finest Kaw Valley bottom land, imp. Easy terms. J. M. Conlan, St. Marys, Kan.

A BARGAIN. 480 a. close in; good land, impr. Terms. J. F. Varan, Belpre, Kan.

KAW VALLEY and E. Kan. farms. Catholic community. T. J. Ryan, St. Marys, Kan.

640 ACRES good grass land, plenty water. \$19 per acre. Price & Son, Eldorado, Kan.

BEST bargains in Kan. alfalfa and wheat land. Send for list. Layton Bros., Osborne, Kan.

HAVE SOME GOOD 320 a. tracts at \$10 to \$15 an a. unimpr. \$500 to \$1000 cash down, bal. term of years. Buxton, Utica, Kan.

BARGAIN. 151 a. bottom land, joins town; fine improvements; fruit, water, alfalfa, \$12,000. Fred A. Reed, Salina, Kan.

8000 ACRES in S. W. Kansas. Plenty shallow water. Will cut it up. Write for price. Lakin Land & Immigration Co., Lakin, Kan.

NESS COUNTY. 160 a. smooth wheat land, 4 1/2 miles Utica, \$1600; terms. 160 acres smooth; some imp., 3 mi. Brownell, \$1600. List. V. E. West, Ransom, Kan.

360 ACRES Coffey Co., medium upland, extra well improved, growing alfalfa. Close to town. Water. Price \$45 a. Good terms. Haas Land Co., Gridley, Kansas.

4 SNAPS. 57 a. 2 mi. out, good imp., \$5,130. 120 a. 5 mi. out, impr., \$8,000. 80 a. 3 mi. out, fair impr., \$4,800. 160 a. 4 mi. out, impr., \$8,000. Decker & Booth, Valley Falls, Kan.

POTTAWATOMIE CO. 160 a., 60 cult., bal. pasture and meadow. 30 a. alfalfa; improvements cost \$2,000. Springs and well water. A. A. Murray, Westmoreland, Kan.

TRACTS of 160 to 480 acres; smooth, raw wheat land close to good towns in W. Kansas and E. Colorado, \$4 an acre up, cash. Choice relinquishments cheap. Cash bargains all over Kansas and the Southwest. Christensen Realty Co., Hutchinson, Kan.

STOCK FARM in Chase county, Kansas. 240 acres 5 miles from town, 1/4 mile to school. Daily mail, telephone. 140 acres cultivated, 45 acres alfalfa. 100 acres fine grazing land, 7 acres timber. Splendid improvements. Price \$60.00 per acre, terms. J. E. Bocoak & Son, Cottonwood Falls, Kan.

FOR SALE. One of the best 240 acre farms in Reno County, Kan., 2 mi. from good town. Soil black, sandy loam; level; good improvements. Close to school, R. F. D., etc. 200 a. now in crop. Write owner, M. G. H.—173, Capper Bldg., Topeka, Kan.

LINN COUNTY, eastern Kansas, well improved level corn, alfalfa, small grain, bluegrass and clover farms, close to good towns, in a fine well settled locality, 65 miles from K. C., at \$25 to \$60 per acre, on good terms. Write quick for literature, state map, and list.

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KAW VALLEY and upland farms. Exchanges. Stiles Land Co., Rossville, Kansas.

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GOOD, smooth wheat and alfalfa lands at \$15 to \$25 per acre. Write for price list, county map and literature. Floyd & Floyd, Ness City, Kansas.

320 ACRES improved farm land; 200 acres in cultivation, balance pasture; soft water. 1/4 cash, balance to suit at 6%.

W. B. Grimes, Ashland, Kansas.

160 A. 3 mi. Madison, improved; good water, 80 in plow. Price \$40. For further information and list write P. D. Stoughton, Madison, Kan.

CLARK COUNTY—820 a. southwest of Kingsdown on R. I. R. R. 400 a. cultivated. Mile to P. O. and school. \$18,000. R. C. Mayse, Owner, Ashland, Kansas.

FOR SALE. Improved section of land, "in Kansas," ten miles west of Olpe and ten miles south of Saffordville, both on Santa Fe R. R. Six room house, barn, cistern and wells. Sixty acres good stand alfalfa. Sixty-five acres in corn. Balance good pasture and living water. Fine place for feeding and breeding ranch. More land can be put under cultivation. Twenty-five dollars per acre. H. P. Hood, Emporia, Kansas, Owner.

320 ACRES tillable land; 60 a. bluegrass; 22 a. alfalfa; 45 native grass; remainder corn; never failing water; 2 gasoline engines; improvements cost \$9,000; 5 miles from 3 towns; \$5,000 down, remainder 6%. Must sell.

80 acres tillable land; 15 a. bluegrass; 12 a. clover; remainder corn; barn; 4 r. house; 75 ton silo. Price \$4,500.

160 acres smooth land; 2 1/2 miles town; 12 a. clover; 15 bluegrass; 32 wheat; remainder corn; barn; good house; 2 wells. Price \$55 per acre. \$3,000 down, remainder 6%. We make trades everywhere. Mansfield Land Company, Ottawa, Kan.

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Ft. Morgan, Colo., November 18, 1914.

80 A. 5 1/2 mi. Osage City; 35 a. cult., 5 a. clover, bal. native grass. Family orchard, good house and barn; plenty of water. Close to school and church. BARGAIN. \$3300; easy terms. Rosenquist & Benstrom, Osage City, Kan.

80 ACRES, 3 mi. out; 35 in cultivation; 18 meadow, bal. pasture. Only \$1800. Say, what do you know about that? F. D. Greene, Longton, Kan.

SMOOTH 80, fair improvements, all in wheat; 1/2 wheat goes with farm. 3 mi. town in Montgomery Co., Kan.; \$55 per acre. E. P. Hight, Independence, Kansas.

LOOK HERE. 110 acres, 3 1/2 mi. of town, good imp. Close to school and church. 40 in alfalfa, 30 bluegrass, bal. pasture. \$55 an acre. Send for list. Overman & Long, Melvern, Osage Co., Kan.

160 A. improved, 120 cult., 30 pasture. Windmill, big hen house, good cellar. Mile to school. R. F. D. and phone. \$45 a. Terms. Thos. J. Stinson, Spearville, Kan.

160 A. well improved; all tillable; 90 a. cult., bal. pasture; abundance good water. 10 cows, 2 brood sows, team, harness and wagon. 25 a. wheat. All goes \$3500; terms. L. E. Pendleton, Dodge City, Kan.

TO CLOSE up the estate of Thos. Miles, the heirs will sell the following described property. 160 acres of well improved land 3 1/2 miles north of Greene, also lots 1 and 2 in block 2, Greene township. Inquire of F. C. Miles, Greene, Kansas.

FOR QUICK SALE TO SETTLE ESTATE. Best combination grain and stock farm in Sedgwick Co., Kan., for the money. 540 a., 320 a. in cultivation, 220 a. river bottom; living water. Well improved. Price \$25,000. Liberal terms. C. F. Fouquet Inv. Co., Andale, Kansas.

160 A., good improvements; 100 a. cultivation, smooth; 60 a. grass fenced, 4 mi. to town, 1 mi. to school and church. R. F. D. and phone. Price \$5,500, \$1,500 payment Jan. 1st, bal. long time 6%. This is a bargain. Write at once. W. H. Mott, Herington, Kansas.

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

SELL YOUR PROPERTY QUICKLY no matter what or where it is. Pay no commissions. Particulars free. Dept. F, Co-operative Salesman Company, Lincoln, Neb.

EASTERN KANSAS BARGAINS. Diversified farming; good crops, roads, water. Rural conveniences. Fine community. T. K. Brockett Realty Co., Pleasanton, Kan.

CATHOLIC FARMERS WANTED. Just got hold of 35 quarters of good farm land in Butler Co., Kan. Close to Catholic church; can sell any amount on easy terms. Write me. Guss Schimpff, Burns, Marion Co., Kansas.

SALE ON WHEAT PLAN. A limited amount of extra good land in Ness Co., Kansas, to sell on "wheat plan." Just a few dollars down, balance from crop only. What better would you want? Write today for particulars. C. F. Edwards, Ness City, Kan.

JUST GOOD LAND 160 acres in Blk county, Kansas. Owner wants merchandise. Inquire of Hunter Brothers, Independence, Kansas.

80 Acres Only \$800 80 a. 8 mi. Wichita; good soil; improved; near good town; only \$4800; only \$800 cash, bal. \$500 yearly, due March 1st. R. M. Mills, Schweiter Bldg., Wichita, Kan.

Kiowa County Land bargains. Write for descriptions. Several of my own farms; can make terms to suit. C. W. Phillips, Greensburg, Kan.

BARGAIN EASTERN KANSAS 120 acres, 6 miles from Lawrence, new 8 room house, new barn and other buildings. 75 acres tillable, balance in pasture. 25 acres alfalfa. Encumbrance \$3,000.00 at 5 1/2%. Price for quick sale \$65.00 per acre. No trade. A large list of other good farms in Eastern Kansas.

THE HOSFORD INVESTMENT COMPANY, Lawrence, Kansas.

FARM AT GREAT SACRIFICE

160 acres smooth, black land, near Parsons, Labette Co., Kan. Well improved, plenty water, good location. Is owned by heirs and must sell for cash only. Somebody will get a snap. Possession at once. W. O. Wilson, Neodesha, Kansas.

Sedgwick County Farm Bargains

240 a. farm, best valley or alfalfa land, good house, large barn, 2 silos hold 300 tons, 40 a. alfalfa, \$75 per acre. 80 well improved alfalfa land, good home, near Wichita. \$80 per acre. 40 a. farm, fair improvements, fine fruits, 160 a. farm, large improvements, best of land, 30 a. in alfalfa. \$75 per acre. Trade into smaller farm. H. E. Osburn, 227 E. Douglass, Wichita, Kan.

Not Simply a Bargain But a Snap You Rarely Find

120 a. 7 mi. from Cherryvale, Kan., in Labette Co., 4 1/2 mi. from Mound Valley, Kan. Good nine room house; good big barn with hay mow and fork, and other outbuildings; orchard, 25 a. in alfalfa, 20 a. in pasture. Bal. in cultivation; black limestone soil; buildings all painted and in good shape. Price \$50 per a. if sold soon; good terms. No trade. D. D. Walker, Parsons, Kan.

A CHANCE TO BUY

80 acres improved, 3 1/2 miles from Garnett, Kan., \$3,200, half down, bal. 5 years at 6%.

MRS. SARAH HULL,

R. F. D. 6, Garnett, Kan.

OKLAHOMA.

FOR LISTS and prices N. E. Okla. farms, write Elliott & Mabrey, Fairland, Okla.

SPECIAL Oklahoma bargain list free. Some trades. Write Harvey Cox, Hooker, Okla.

WE SELL THE EARTH that produces alfalfa and corn. W. E. Wilson Realty, Walters, Ok.

F. M. TARTLTON & CO., will mail you list of farms in northeast Oklahoma. Write them. Vinita, Oklahoma.

OKLAHOMA FARMS. 80 to 320 acre tracts, highly improved, well located. \$20 to \$40. Write us. G. L. Parris, Tulsa, Okla.

120 A. 2 miles R. R. town, this county. 80 a. cultivation, fair improvements, good farm. \$15 per a. Terms. Southern Realty Co., McAlester, Okla.

WE HAVE many nice farms for sale in N. E. Okla., from 4 to 840 a., \$12 to \$75 per a. Write for list. Mayes County Land Co., 111 N. Cherokee St., Muskogee, Okla.

VALLEY FARM

640 acres, level and very fertile land, (no overflow). Exceptionally well located. 3 sets good buildings. Will divide into three farms. Terms easy. 25% cash. Three miles east of Vinita, Okla. W. M. Mercer, (owner), Aurora, Ill.

OKLAHOMA LAND FOR SALE

Good land in Northeastern Oklahoma, which was part of the old Indian Territory. Price from \$20 to \$35 per acre. Write for price list and literature. Agents wanted. W. C. Wood, Nowata, Okla.

NORTH DAKOTA

BEST DEAL ON BEST SOIL in rain belt. Wadsworth, Langdon, N. D.

200 Acre Farm

20 acres meadow, all of balance in cultivation, no waste, all smooth, level, black, rich, productive soil. 4 room house, frame barn for 12 head stock. 1 mile from Hurd's field, a classy town in eastern N. D. Price \$8,000, \$1,000 cash, bal. easy payments. Also own other choice farms; overloaded, must sell something quick. WARREN W. HURD, 310 Commerce Bldg., St. Paul, Minn.

ARKANSAS

LITTLE RIVER valley lands rich and cheap. On railroad. Robt. Sessions, Winthrop, Ark.

405 ACRES—100 cleared—4 room house—good timber, five miles of Fordyce. Price \$3500. Polk Real Estate Co., Little Rock, Ark.

IF YOU WANT a stock or fruit farm of any size in the land of cold springs, fine streams, the home of the apple, come to or write to Howard & Smith, Hiwassee, Benton Co., Ark.

FINE farm land; sure crops, corn, oats, cotton, clover, alfalfa. No rocks nor swamps. Easy payments. Discount for cash. Free map. Tom Blodgett Land Co., Little Rock, Ark.

WRITE for land list and tell us just what you want to buy or trade. Horton & Company, Hope, Arkansas.

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

FRUIT, grain and stock farms, all sizes, in Benton Co., Ark. Banner county of state; low prices and easy terms. Gentry Realty Co., Gentry, Benton Co., Ark.

345 ACRES; 75 acres fenced and 30 in cultivation; two sets of improvements and located in the heart of stock raising district; price \$10 per a. Write for list of bargains. Arkansas Investment Co., Stuttgart, Ark.

LONOKE COUNTY farms, beautifully smooth sandy loam soil, perfectly smooth, positively free from rock and the best part of this grand state of Arkansas. 20 miles from state capital, a city of 65,000. Among them is one of 180 acres smooth sandy loam soil, every acre tillable, 45 acres in cultivation, 60 acres timber, 75 acres pasture, 160 acres fenced with woven wire, two tenant houses, splendid water, only \$15 per acre. One of the greatest bargains we have. It is ready to go right on and make money. Actually worth \$25 per acre. 4 miles from good town on Rock Island Ry., with two creameries and one milk condensing plant. Many Kansas people here doing well. Send for full particulars, photographs and map. J. W. Ferguson, Lonoke, Arkansas.

WHAT HAVE YOU TO TRADE For Arkansas level farm land? Close to railroad; 40 acres up; grow anything. Shaeffer Land Co., 641 Reserve Bank Bldg., K. C., Mo.

ARKANSAS. 1000 acres of first class farming land, well improved. Price \$30 per a. Write for particulars. Will take part trade. W. B. Lane, Hope, Ark.

ARKANSAS STOCK FARM

400 a. 8 mi. Morrilton, on 2 public roads. Good neighborhood. 260 a. in cult. and pasture. 125 creek bottom and 135 good upland Bal. timber. 3 sets imp. One 6-room frame house. Splendid stock farm. \$9000. Stephens, Cazort & Neal, Morrilton, Ark.

FOR SALE

917 a. farm; best improved in Baxter Co. Barn 50x150, scales, extra good 9 room house, 300 acres in cultivation. All farming tools and threshing outfit. All for \$16,000. 160 acres 1/4 mi. to Haney, 60 a. in cultivation; good spring. Price \$1,600. 33 room hotel and furniture on a fine corner in Cotter. Will trade this for a farm in Kansas. Write for full description and price. A. T. Garth, Cotter, Ark.

ARKANSAS

has another bumper crop. Our 48 inches of rainfall is a guaranty against crop failures. We have 10,000 acres of fine cutover agricultural lands for sale. Your choice of a farm for \$15 per acre. Terms \$1.50 per acre cash, balance any time in 20 years, 6% interest. This land is selling fast.

FRANK KENDALL LUMBER COMPANY, Pine Bluff, Arkansas.

MINNESOTA

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

GOVERNMENT farms free. Official 250 page book describes every acre in every county in United States. Free information. D. J. Campbell, Hackney Bldg., St. Paul, Minn.

WANTED—Farmer in every locality to handle our West Central Minnesota farm lands. Liberal commissions. Write for proposition. King Land & Loan Co., Breckenridge, Minn.

CORN AND CLOVER FARMS near Twin City markets. No drought. Ask for descriptions. \$25 to \$75 per acre. Carter Land Co., Near Union Depot, St. Paul, Minn.

RICH FARM LANDS in Minnesota Red river valley, where corn, alfalfa, potatoes, and clover flourish. Ideal stock country. Rainfall 28 inches. Crop failures unknown. Prices very low. Write N. S. Davies, Sec'y Minnesota Red River Valley Development Ass'n, Crookston, Minn.

NEW YORK

176 ACRES; 10 room house; big basement barn. Good farm. Banker says sell it at once for \$3,600, part cash. Who is the lucky buyer of this money-making farm at this low price? Hall's Farm Agency, Owego, Tioga Co., N. Y.

COLORADO

DAIRY EQUIPMENT

adjoining this city. 60 a. also suitable for stock feeding. Price \$15,000. Terms. W. J. Cattell, 1730 Logan St., Denver, Colo.

FOUND—Homestead near Ft. Morgan. 320 acres rich farm land, not sand. Price \$200, filing fees and all.

J. A. Tracy, Ft. Morgan, Colo.

LISTEN: Come to Southeastern Colo., where you can get a good home cheap. We are farming this land ourselves and have good crops. For further information call on or write Leon Moorhouse & Co., Lamar, Colo.

Irrigated Farm Lands

In the celebrated Arkansas Valley, Colorado. The home of the famous Rocky Ford cantaloupe. The pioneer and largest beet sugar factory, great for alfalfa, splendid irrigation system, plenty of water, good market. Am dividing a large farm into smaller tracts offering at one-half the prevailing prices; giving liberal terms with small cash payment. Just right for a small industrious colony. Write for particulars. Henry J. Arnold, Temple Court, Denver, Colo.

TEXAS

334 ACRES unimproved prairie land; level, black sandy loam; richest dirt in Texas. All around in cultivation. The county raised over one million bushels of wheat in 1914 and immense different crops. Lays 1/2 mile from Ochiltree, county seat of same county. 43 miles at present from railroad; new railroad is building now to Ochiltree. The best proposition for any farmer. Take \$5,000; down \$1,500, rest all the time needed. Don't offer any trade. F. Gram, Naylor, Mo.

TEXAS RANCHES

Texas ranches in any size you want, in any part of the state, also colonization tracts. Years of experience in handling farm lands and ranches. Inspection reports made on Texas property. Have a few good tracts that owners will accept part in good trade. Greatest demand in the history for Texas ranches. In writing, state size of tract you want. J. Walter Day, Kansas City, Mo., 215 Finance Bldg. Home-Main 5108.

FOR SALE OR EXCHANGE

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

WRITE for my large sale and exchange list. Jess Kiser, Garden City, Kansas.

LANDS and mdse. sales or exchs. made quick. Co-Operative Realty Co., Humansville, Mo.

HOMESEEKERS, write Andrew Burger, Burlington, Kan., for farm and ranch lists.

70 ACRES improved. Close to school town. Want residence. 160 improved. Want 80. Box 2, Richmond, Kan.

FOR farm and ranch list write Wood & Moore. We are in line for trades. Spearville, Kan.

FOR EXCHANGE: 1st class 4 apartment modern flat located in Muskogee, Okla. Want good Kansas farm close to high school. For good exchs. and bargains see or write National Realty Exchange, 227 Court St., Muskogee, Okla.

160 FINELY IMPROVED, want Ray or Carroll Co., Mo., land. 160 or 200 a. R. M. McGinnis, Princeton, Kansas.

TRY BIGHAM & OCHILTREE, they sell and trade farms and property. 802 Corby-Forsee Bldg., St. Joe, Mo.

FIGLEY & DILEY will sell or exchange farms; small farms, ranches, alfalfa lands. Write for prices or come and see us. Council Grove, Kansas.

NOTICE: Fine farm 5 ml. from town, 80 a. in cult. 80 a. bottom, 5 a. alfalfa, 80 a. pasture, fine water, some timber, land grows anything; fair improvements. Will sell or exchange for property near town. Price \$5,500. Inc. \$1300. 9 yrs. 6%. Other real bargains. H. H. Anderson, Gotebo, Okla.

IMPROVED 1/2 sec. close to good town in W. Kansas; 190 a. level in cult.; fine soil and water; \$6400, loan \$1000; also deeded land and choice relinquishments at Rocky Ford, Colo. Want clear income, small farm or mdse. We are headquarters for high grade exchanges anywhere. Send full description first letter. Commission 2%. Christensen Realty Co., Hutchinson, Kan.

BUY AN OZARK STOCK FARM

Many Ozark farmers are making money raising hogs. The fine open winters make it unnecessary to provide expensive quarters and the porkers can range nearly the entire year. There is little disease in the Ozark region. A few good brood sows will soon pay for an Ozark farm.

Although it was a dry year one Ozark dairyman reports a profit of \$100 a cow in 1913 from each one of his 18 cows.

It would be impossible to find a better country for poultry raising than the Ozarks. A large portion of the poultry products that make Missouri the greatest poultry state come from the Ozarks.

83 A. close town; spring, house, barn; 20 a. cult. \$650. Other bargains. McQuary, Sellman, Mo.

480 A. STOCK RANCH, Etanchia Valley, N. M. Valley land, well imp., \$9,600. Near R. R. Want income. F. M. & C. G. Morgan, Springfield, Mo.

THE OZARK MOUNTAIN REGION is a most delightful place in which to live, having splendid climate and abounding in living springs of pure water. It has hill, prairie and valley land, a variety to suit everybody. Wonderful prospects for increase in values. Write for free booklet. Wm. P. Nicholson, Immigration Agent, Kansas City Southern Railway, Kansas City, Mo.

WISCONSIN

150 ACRES, stock and machinery. \$5000, \$1000 cash. Frazer & Maxson, Sparta, Wis.

30,000 ACRES cut-over lands; good soil; plenty rain; prices right and easy terms to settlers. Write us. Brown Brothers Lumber Co., Rhinelander, Wis.

WONDERFUL BARGAIN for QUICK DEAL! Level black loam farm, 290 acres. 1/2 mile railroad town. Elegant large up-to-date buildings, all farm machinery and 100 tons of hay. Only \$85 per acre on easy terms. Harry D. Baker, President, Polk County Bank, St. Croix Falls, 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.

CALIFORNIA

MAGNIFICENT TRACTS

In the heart of the Sacramento Valley on the famous Bidwell Ranch for sale on easy terms. Prunes, peaches and almonds, located within a mile of a city of 18,000 people. The finest soil in California, a rich garden loam, noted for its production of fine fruit. Write for descriptive literature. Bidwell Orchards, Inc., Chico, Calif.

NEBRASKA

WE GUARANTEE you bargains in stock farms and ranches. Write Willis Caldwell, Broken Bow, Nebraska, The Bargain Man.

I HAVE FINE alfalfa farms in tracts from 160 acres to 1000 acres, and best corn and wheat land at prices from \$8 to \$25 per acre. These prices will not last long. Write me today. A. T. Cowings, Benkelman, Neb.

CASS CO. FARMS for sale or exchange. W. J. Dunham, Creighton, Mo.

FOR SALE OR TRADE—80 acres, 2 miles from town in Arkansas River Valley. Pumping plant furnishes 2000 gallons per minute. 67 a. alfalfa, cut from 6 to 8 tons; good improvements. Family orchard. Box 295, Garden City, Kansas.

TO TRADE FOR MERCHANDISE—Two farms, 320 acres each, in good neighborhood, well located, both well improved, good quality land, one mile from church and school. Will trade clear or carry part on land. Address Chas. W. Ellsaesser, Liberal, Kansas.

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

MODERN RESIDENCE IN IOLA. 7 rooms, bath, closets, pantry, large grounds, near city high school. Just the place for a farmer to retire. Price \$3,500. Clear. Trade for small farm at cash value. Iola Land Co., Iola, Kan.

FOR SALE OR EXCHANGE

Brick hotel, 30 rooms; doing a good business, only commercial hotel in town. Will trade with owner for good farm. Mrs. Ella Swank, Altoona, Kansas.

For Sale and Exchange

Northwest Missouri, Iowa and Nebraska choice farms; the greatest grain belt in the United States. Get my bargains. M. E. Noble & Co., St. Joseph, Mo.

400 Acres

Well located, well improved and a good farm in eastern Kansas to trade for clear western land or a good clean well located stock of general merchandise.

H. C. WHALEN

413-14 Bittling Bldg., Wichita, Kansas.

Beef Cattle Pay Well

(Continued from Page 8.)

Kansas City market, in the face of some especially heavy competition. In addition to the fact that several of the leading hog breeders from northern Kansas and Missouri were on the market that day, a picked carload from the experimental pens of the Kansas Agricultural college also came in, but the Ferguson carload sold above them all.

All of the growth of these animals that is possible is made on alfalfa pasture. A light grain ration is given to the growing pigs; the aim, however, is to get them to make most of their growth from the pasture. Some shorts and a little tankage are given to the

MISSOURI

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

STOP! Listen! 120 acre impr. farm \$900. Other farms. McGrath, Mountain View, Mo.

WRITE for farm lists in Cedar and Vernon Cos., Mo. Shaw Bros., Eldorado Springs, Mo.

VERNON CO. Write for list of farm and city prop. Exs. W. W. Armstrong, Nevada, Mo.

CHOICE Vernon Co. prairie farms. Easy terms. \$20-\$60 a. W. H. Hunt, Schell City, Mo.

1120 A. Vernon Co. Fine impr. 800 a. cult. Clear. Can borrow \$25,000. Price \$44,800. G. W. Dupue, Drexel, Mo.

WRITE FOR LIST of farms in Bates Co., Mo. All sizes; \$40 to \$80. Elliott & Hall, Rockville, Mo.

IF YOU want a farm in Cass or Jackson counties, I have what you want. Write me. A. E. Wherritt, Pleasant Hill, Mo.

\$5 DOWN, \$5 monthly buys 40 acres, good timber land, near town, Southern Missouri. Price only \$175.00. Fred Jarrell, Excelsior Springs, Mo.

\$5.00 DOWN, \$5.00 monthly, buys 40 acres grain, fruit, poultry land, near town; healthy location, excellent bargain. Price \$220. Box 425-G, Carthage, Mo.

84 A. near Missouri line in Oklahoma; 5 miles to town of 12,000; very rich; fine imp. 60 in cult., 24 in hay; fine water. \$3650, \$1800 cash. Ben F. Browning, 619 E. Walnut, Springfield, Mo.

ATTENTION, FARMERS. If you want a home in a mild, healthy climate with pure water and productive soil and where land can be bought at a reasonable price write Frank M. Hammel, Marshfield, Mo.

WRITE for booklet and lists on Ozarks. We have best dairy, poultry, and fruit country there is in the U. S. Pure water, short feeding months, grow all kinds of grasses. Have State Fruit and Poultry farms and large creamery located here. J. A. Wheeler, Mountain Grove, Mo.

OZARKS. 120 acres six and one-half miles from Anderson, 3 1/2 miles from county seat; 85 acres in cultivation, 60 valley; first-class improvements; extra big spring with really fine concrete spring house; splendidly fenced and cross-fenced; lots of fruit, berries and grapes; 11 acres of alfalfa; 30 acres of meadow; one of the best farms and one of the best kept farms in McDonald county; \$45.00 an acre; terms. W. J. Chambliss, Anderson, Mo.

Case County, Missouri

400 acres black, deep, rich limestone land, nicely improved, must be sold to settle an estate. Price \$50.00 per acre. Investigate this for it is a REAL BARGAIN. Charles Bird, Harrisonville, Mo.

FLORIDA

80 ACRES famously rich Everglade land near canal, \$9.00 per acre. Other lands and city property. Send for booklet. Parker & Ansherman, Ft. Lauderdale, Fla.

FAMOUS NARCOOSSEE TRACT FLORIDA

Is not a mere promise or experiment, but a proven success for a quarter of a century, being in the very heart of the fruit growing and truck farming belt, right on the railroad, soil unexcelled anywhere in the entire state. Schools, churches, stores, scores of homes and numerous fruit groves and other farms already established is proof the Famous Narcoossee Tract is a solid, 18-karat enterprise, worthy of your investigation and inspection. Five or more acres for cash or payments. Special low price excursions leave the north every first and third Tuesday each month. Complete information gladly furnished upon request to C. K. BRUNS, President Narcoossee Farm and Townsite Company, Narcoossee, Fla., or our northern office, W. K. Koehn, Manager, 601 State Life Bldg., Indianapolis, Ind.

Land Seekers Excursion

every first and 3rd Tuesday in each month to DeSoto County, Florida. Go with us and see this wonderful country and the great opportunities it offers the man of moderate means to get a home and independence. Write for our literature; it gives facts showing the advantage our lands offer the stockman, dairyman, farmer, winter gardener, fruit grower and poultryman. We do not ask you to buy this land without seeing. 103 improved farms throughout the tract proving conclusively what it will do.

NEW HOME REALTY CO.

1307 Commerce Bldg., Kansas City, Mo.

sows, so they will be able to give a large amount of milk. After the pasture season is over, the grain ration is much increased.

Much of the fattening ration consists of soaked corn, alfalfa hay, and a little tankage and shorts. It is not expected that the animals will eat much alfalfa hay, but they use quite a good deal of it, and the protein is much cheaper in this form than in tankage. However, there is a definite need for some animal protein, so Mr. Ferguson believes it is essential that some tankage should be fed. He believes especially in the value of soaked corn, and it is fed at all seasons to the fattening hogs, except when the weather is very cold.

The feed of the sows in the winter consists largely of alfalfa hay, tankage and shorts, with a very little corn. The aim is to make the ration especially high in protein, and large litters of well-formed hogs result from a ration of this kind. Care is taken to breed the sows so the litters will come as nearly as possible at the same time. This greatly increases the attention required at farrowing time, of course, but it makes a much more even bunch of hogs to feed than if the litters came over a more extended period.

The feed of the baby beef calves consists mostly of ground corn, alfalfa hay and oilmeal; the proportion of the oilmeal is not high. The aim is to get the calves to eating grain and hay before they are weaned in the fall, and then to wean them gradually, so there will be no loss of flesh. The baby fat is never lost; the animals are taken right along, with gains every day from birth to when they are sold.

Most of the farm work is done with mares, so colts can be raised. This has been the rule for many years, and the horses on the place now are descended from the animals Mr. Ferguson's grandfather owned in the early days. Percheron stallions have been used, and some very high grade horses have been produced. Mr. Ferguson has a high regard for the value of the Percheron breed.

Efficiency is the keynote of the farming operations on this place. The aim of the Ferguson family has been to develop a permanent, substantial farm business, which could be handed down from generation to generation. It has been natural for men with aims of this kind to pay attention to the soil fertility, for the effort has been to build up a permanent agriculture. Ideals of this kind are needed on other places in the development of farming in Kansas.

Program For Fruit Men

Next Thursday will be the "big day" in the meeting of the Kansas State Horticultural society. The program will begin on Wednesday and close on Friday, but an effort has been made to keep all of the "dry" numbers out of Thursday's program.

The secretary of the society, J. L. Pelham, is eager to have as many nurserymen as possible present when L. B. Scott of the Bureau of Plant Industry, Washington, speaks on improvement of fruits through bud selection. This lecture will be given Thursday afternoon. Mr. Scott is a man of wide experience, and if the nurserymen come with a hoard of questions this will be an intensely interesting number, Mr. Pelham believes.

Wednesday afternoon, three papers about canning will be given by Mrs. R. O. Sumner, Wathena; Mrs. A. B. Crawford, Parkville, Mo.; and Miss Frances Brown, K. S. A. C., Manhattan. An opportunity for discussion will be given after the papers are read.

This rule in regard to discussions holds for all the numbers on the program. There are sure to be some lively discussions. If you are an experienced fruit man you will enjoy taking part in these discussions; if you know little about fruit growing, but wish to learn, you will enjoy listening to them.

Pastures Feterita

I notice that L. J. S., Osborne county, Kansas asks for information on pasturing second growth feterita. I have had 40 head of cattle on 20 acres for a week and have had no trouble or losses.

W. J. Hollingsworth, Geuda Springs, Kan.

The per capita money circulation of the United States has increased \$2.35 in the last year.

DEMPSTER



WIND MILL
SATISFAC-
TION

That is what you get when you buy a Dempster.

Runs at same speed in any wind. Has no springs or gears. Requires less attention than any other machine on the farm. Long habbitted slide for plunger reduces friction and keeps thrust straight up.

The Dempster Direct Stroke No. 3 Vaneless

Represents 40 years experience in Wind-mill building.

Get our Catalog.

You have a right to know what you are buying.

If your Dealer doesn't have it, write us giving his name. We will see that you are supplied.

Dempster Mill Mfg. Co. Beatrice, Neb

"A Kalamazoo Direct to You"

Freight All Paid—Only

\$7.55 Spot Cash

Order Shipped Day It Comes

Your Dealer \$12 Would Ask

And that's only one of 500 low price records for quality stoves and ranges shown in the big free Kalamazoo catalog. Every stove sent on long

Free Trial

Money-back guarantee—cash or easy payment terms, shipped immediately, all polished and ready to set up—Freight all prepaid.

Write today for this catalog that saves \$5.00 to \$40.00 for every buyer and insures satisfaction. See all the other great offers. Ask for book No. 341

KALAMAZOO STOVE COMPANY
Manufacturers
Kalamazoo, Michigan

WEAR OVERLAND ALUMINUM SHOES

Save Money and Prevent Sickness

Water-proof, Rust-proof, Rot-proof. Warm in winter, cool in summer. Weight about the same as an all-leather work shoe. Will outwear several pairs of leather, rubber or wood soled shoes. No metal touches you. Thick felt insole. Comfortable to wear. Keep the feet in good condition. Best by test for all work in any weather. MONEY BACK if shoes do not meet with your approval. Write for FREE booklet which shows styles, gives prices and tells how to order. A postal brings it.

OVERLAND SHOE CO. Dept. 11 Racine, Wis.

Take The Chill Off

the water, outside instead of inside your livestock. It's cheaper. It means less feed, more milk, healthier stock.

The "BEST" Tank Heater

will save you 20 times its cost in feed. Solid cast shell; grate and ash-pan; double asbestos filled lid. No seams to leak. Takes in big chunks. Fire starts easily and holds. Extra heavy and strong. Write for circular & price.

STERLING FOUNDRY CO., Sterling, Ill.

WANTED: Men to Learn the Barber Trade

The World needs more barbers than any other tradesmen. We have originated a plan to teach it quickly and earn some money while learning. Tools included. Board if desired. Open to everyone. Write today for illustrated catalogue.

MOLIER BARBER COLLEGE, 514 Main St., Kansas City, Mo.

TRAPPERS

Send us your furs—we pay highest prices—WE CHARGE NO COMMISSION. Send for FREE price list TODAY. HILL BROS. FUR CO.—368 N. Main St., St. Louis, Mo.

Few Stock Cattle Sold Now

BY C. W. METSKER,
Kansas City, Mo.

THE big movement of stockers and feeders is over for this year, and such cattle as move back to the country will be half fat kinds that feeders can turn on a short feed. Though prices the season through have been high there has been comparatively little demand on purely speculative accounts. Cottonseed cake and meal are selling about 30 per cent lower than a year ago, and the lowest for several years past. Cattle feeders in the Southwest see good profit in the liberal use of that feed at present prices. Corn belt feeders should use more of this feed with the usual dry feeds.

Killers Buy Direct From Feeders.

Big killers are buying full fed cattle in Missouri and Kansas and shipping them east. Wednesday B. F. Pixlee & Son of Clay county Missouri, delivered 181 steers to Swift & Co. at Mosby, Mo., near Liberty. The price paid was \$10.50 a hundred pounds, shipping point weights. The steers averaged 1,600 pounds, and brought a total price of \$29,182.04. They were shipped to New York City where they will be slaughtered for the Christmas trade. Other bunches of full fed steers have been shipped east from northwest Missouri at \$10 to \$10.75, shipping point weights.

Packers "Watchful Waiting" For Hogs.

Packers are again playing a game of watchful waiting in the hog market. As opposed to them are the shippers who sort out the best loads at higher prices, and keep an element of uncertainty in the trade. At markets where shippers can buy supplies prices are higher than where quarantine regulations are in force. Missouri river markets where shippers can buy hogs and send them elsewhere for slaughter quote prices 20 to 25 cents higher than in Chicago. Average prices paid by shippers last week were 15 to 25 cents higher than those paid by the packers, but packers' droves were not as good as shippers' hogs. The general movement in prices, however, was uncertain. Receipts are increasing and without doubt packers will buy hogs much lower in December than in the last part of November.

Demand For Sheep Less Urgent.

Chicago's ability to kill sheep again, after ten days of suspension, attracted liberal supplies from its own trade territory last week, and shifted some demand from Missouri river markets eastward. This relieved the general urgency in demand and turned prices down moderately. Lambs still are selling as high as \$3.

The Movement of Livestock.

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

	Cattle	Hogs	Sheep
Kansas City	49,450	94,150	28,850
Chicago	29,000	124,000	72,000
Omaha	14,100	34,700	52,100
St. Louis	19,600	43,500	10,650
St. Joseph	6,700	54,600	5,000

Total	116,850	350,950	168,600
Preceding week	106,150	214,175	137,650
Year ago	154,000	398,400	244,400

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and the same period in 1913:

	1914	1913	Inc.	Dec.
Cattle	1,606,323	1,951,825	345,502	58,681
Calves	115,138	173,519	285,641	39,813
Hogs	1,957,937	2,243,579	285,641	39,813
Sheep	1,858,049	1,897,862	145	20,130
H. & M.	73,203	73,348	145	20,130
Cars	95,220	115,350	20,130	

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

	Cattle	Hogs	Sheep
Per 100 lbs.	1914 1913	1914 1913	1914 1913
Chicago	\$10.35 \$9.25	\$7.70 \$7.90	\$9.25 \$8.35
Kan. City	10.75 9.00	8.10 7.85	9.25 6.00

New Corn Values Established.

The movement of new corn last week assumed seasonal proportions and sold at 60 to 65 cents a bushel. There is little country demand at primary markets, and the bulk of the supply is moving to mills or elevators. The quality grades unusually high.

Wheat Needs Moisture.

Many sections in the Central West are complaining of the lack of rain. The wheat, so reports say, is in excellent condition, but owing to lack of moisture the soil is beginning to shift with the wind. Export demand maintains firm cash prices.

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

	Wheat	Corn	Oats
Chicago	1914 1913	1914 1913	1914 1913
Kan. City	\$1.15 96 3/4	66 3/4 75	51 49
	1.09 87 3/4	65 3/4 74 3/4	47 3/4 47 3/4

Produce Prices Now and One Year Ago.

	Butter	Eggs	Hens
Chicago	1914 1913	1914 1913	1914 1913
Kan. City	32 32	30 34	11 11
	31 30	32 34 3/4	11 10 3/4

Butter, Eggs and Poultry.

Kansas City, Nov. 23.—Quotations on 'change were as follows: Eggs—Extras, new white wood cases included, 32c a dozen; firsts, 29c; seconds, 22c. Butter—Creamery, extra, 11c a pound; firsts, 29c; seconds, 26c; packing stock, 21c. Live Poultry—Broilers, under 2 pounds,

17c a pound; springs, 2 to 3 pounds, 14c; hens, No. 1, 11 1/2c; No. 2, 9c; young roosters, 11c; old, 9c; turkeys, hens and young toms, 14 1/2c; old toms, 13 1/2c; ducks, 12c; geese, 11c.

Gain For Herefords

The Hereford breeding industry has enjoyed a year of unprecedented prosperity. The reports submitted at the annual meeting of the stockholders of the American Hereford Cattle Breeders' association, held at Kansas City, November 19, showed that more Herefords were registered and more animals were transferred, during the association's fiscal year which ended August 31, than during any previous year. According to Warren H. McCray, the retiring president, the transfers were made at a higher average price than any year in the association's history.

Secretary R. J. Kinzer reported the total membership of the association at the close of the year as 5,880, an increase for the year of 647. The increase for the preceding year was 518. The states showing the largest gain were Iowa with 85, Missouri with 76, Kansas with 69, Texas with 62 and Illinois with 56. The largest proportionate gain in membership was made in the South. Virginia, Tennessee, North Carolina, South Carolina, Georgia, Alabama and Mississippi increased their membership from 114 to 169. The association now has members in every state except Connecticut, Rhode Island, New Jersey and Delaware.

It also has members in Hawaii, Mexico, and Canada.

A total of 37,758 animals were recorded, an increase of 7,000 over the preceding year. Ninety-two per cent were recorded by members of the association. There were 28,228 animals transferred, an increase of 3,996 over the preceding year. These transfers, at the average prices paid in public sales for the year, represented an investment of \$6,350,000.

Cyrus A. Tow of Norway, Ia., A. B. Cook of Helena, Mont., and W. A. Dallmeyer of Jefferson City, Mo., were elected directors, for a term of three years, to succeed Warren T. McCray, of Kentland, Ind., J. A. Shade of Kingsley, Ia., and Dr. J. E. Logan of Kansas City, whose terms expired. O. Harris of Harris, Mo., was elected president, and Phil C. Lee of San Angelo, Tex., vice-president, for the ensuing year. R. J. Kinzer, Kansas City, Mo., secretary, and R. H. Hazlett of El Dorado, Kan., treasurer, were re-elected.

The directors were authorized to expend not to exceed \$30,000 in premiums on state fair and other shows for 1915. This is an increase of \$5,000 over the appropriation for 1914, the increase being on account of the Panama-Pacific exposition at San Francisco.

Mohammedans will not wear silk because it is the product of a worm, and therefore unclean.



Wood Saws From \$10 Up

Several sizes, all strongly built, adjustable bearings on mandrel. Write for Cuts and Prices. Lewistown Foundry & Machine Co. Lewistown, Pa.



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Students earn board while learning. A practical school with railroad wires, owned and operated by A. T. & S. F. RY. LEARN FROM \$55 TO \$135 PER MONTH. Write for catalogue. Santa Fe Telegraph School, Desk G, 505 Kansas Ave., Topeka, Kan.



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NEXT SATURDAY

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AGENTS

COINING MONEY

Brand new proposition. The Wendell Compressed Air Washing Machine. Excels work of high-priced machines. Weighs but 2 lbs. Customers excited. Profit 200 per cent.

AMAZING INVENTION

WORKS LIKE MAGIC

Cleans tub of clothes in 3 minutes. Squirts hot water and suds back and forth through the clothes driving the dirt right out. A child can use it. F. Hughes, of San Francisco, made \$21 first 8 hours. T. F. Spokman, Gainesville, Ala., put 35 machines out on trial. All were kept and paid for. Profit \$30 in 2 days. L. M. Palmer, Glen Allen, Ala., put 108 machines out on trial. Sold 107. Profit nearly \$100 in five days. Act quick. Territory going fast. Business supplies the capital. Write today. We want 200 more Agents, General Agents, Managers.

WENDELL VACUUM WASHER CO.
555 OAK STREET, LEIPSI, OHIO

Built Up To A High Standard Not Down To A Price

The New Galloway **SANITARY Cream Separator**

is made so good in my factory that I will send it anywhere in the United States without an expert to set it up, to any inexperienced user for a 90-day free trial, to test against any make or kind, that even sells for twice as much and let the user be the judge. It's the most modern, the most sanitary, the most scientific, the cleanest skimmer, the most beautiful in design of any cream separator made today and I have seen them all.

Travel 20,000 Miles look over every factory in the United States and all the foreign countries—you won't find its superior at any price. Made in our own factory from the finest material, on the best automatic machinery, by skilled workmen, in tremendous quantities, all parts alike, interchangeable and standard, and sold to you for less money than dealers and jobbers can buy machines not as good in carload lots for spot cash.

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It's so good that no dairyman who owns 2 or 100 cows can afford to be without it. All I ask you to do is first get my proposition before you decide to purchase any cream separator of any make, kind or at any price. Just drop me a postal. Address **Wm. Galloway, Pres. Wm. Galloway Co. 43 Galloway Station Waterloo Iowa**

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A REAL GUN—Take-Down pattern, with latest improvements, walnut stock and grip. Shoots accurately 22 long or short cartridges. Handsome, durable. \$5.95 NO MONEY only your name and address for my plan of securing this fine rifle absolutely free express prepaid. Write today. D. W. BEACH, Box 52, Spencer, Ind.

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Oldest and Largest Dealers in Hides and Furs in Southwest.
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FLOYD CONDRAY, Stockdale, Kansas
Livestock auctioneer. Write for open dates.

RUGGELS & SON SALINA, KAN. BEVERLY, KAN.
Livestock, Real Estate. Address either place.

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HARRY SPURLING, TAYLORVILLE, ILL.

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Real Estate a Specialty. Write, wire or phone for dates.

N. W. COX Wellington, Ka. AUCTIONEER
LIVESTOCK AND FARM SALES.

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

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

WILL MYERS, Livestock Auctioneer
BELOIT, KANSAS. Ask the breeders in North Central Kansas. FOR DATES ADDRESS AS ABOVE.

D. F. Perkins, Concordia, Kan.
Livestock Auctioneer. Write, wire or phone for dates.

FRANK J. ZAUN
FINE STOCK AUCTIONEER. INDEPENDENCE, MO.
"Get Zaun. He Knows How." Bell Phone 075 Ind.

JESSE HOWELL, HERKIMER, KAN.
of Howell Bros., breeders of Durocs and Herefords can make you money on your next sale. Write for dates.

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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. Next 4 weeks term opens Jan. 4, 1915. Are you coming?

MISSOURI AUCTION SCHOOL
Largest in the World. W. B. Carpenter, Pres.
818 Walnut St., Kansas City, Mo.

SHEEP.

Registered Hampshire Rams

30 choice rams sired by Imported Baron Hampshire. They are large, rugged fellows with strong, thick backs.

SHERWOOD BROS., SHELBYVILLE, MO.

Hampshire Down Sheep

Fifteen ewes and fifteen rams; best of breeding. Large and rugged; the kind that go out and make good. Priced right.

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RED POLLED CATTLE.

FOSTER'S RED POLLED CATTLE Write for prices on breeding cattle.

C. E. FOSTER, R. R. 4, Eldorado, Kansas.

RED POLLED CATTLE

Choice bulls, cows and heifers for sale. Best of breeding. Write or better come and see.

CHARLES MORRISON & SON, Phillipsburg, Kan.

RED POLLED CATTLE

Cows and heifers ranging from mature cows to yearlings that carry the best blood of the breed. To reduce my herd I am making attractive prices on choice females; I know if you want good cattle at fair prices they will please you. Call and see them or write your wants today.

I. W. FOULTON, MEDORA, KANSAS

GALLOWAYS.

Registered Galloways

Either Sex

Walter Hill, Hope, Kansas.

Registered Galloways

250 in herd. 40 bulls from 5 to 18 months, sired by the 2200 lb. Carnot. Imp. breeding W. W. DUNHAM, Doniphan, (Hall County), Nebraska.

CAPITAL VIEW GALLOWAYS

Bulls from 6 months to 2 years; also a few females of modern and quick maturing type.

G. E. Clark, Topeka, Kan.

ABERDEEN-ANGUS.

Aberdeen Angus Cattle**DUROC HOGS**

Johnson Workman, Russell, Kan.

ANGUS CATTLE

I will sell my herd bull Rutger Heatherson 3rd, 118104 and eight coming yearling bulls; also some females, open and bred. My herd consists of animals of the best breeding, strong in the blood of the Blackbirds, Queen Mothers, Bruce Hills, Heatherblooms and Lady Jeans.

W. G. Denton, Denton, Kansas

Aberdeen Angus Cattle

50 Females Yearlings and coming yearlings; also one three-year-old bull.

50 Bulls These are the best cattle we have ever offered and priced for quick sale.

SUTTON FARMS, Route 6, Lawrence, Kan.

SHORTHORNS

SHORTHORN BULLS

4 Shorthorn bulls, 7 months old, white and roans, sired by Golden Cruikshank, pure Scotch. From the same family as Lavender Lord, by Avondale.

C. E. HILL, TORONTO, KANSAS.

Milking Bred Shorthorns

Coming two-year-old heifers bred to Satin Royal 37721. Serviceable bulls by Roan King and Refiner. A very choice lot of bull calves by Rosewood Dale 350854. All from Wisconsin bred dams.

LEVI ECKHARDT, 1203 E. 10th, Winfield, Kan.

Shorthorns

Choice young bulls by my 2,200-lb. Searchlight Bull. Also a few big type Poland China boars.

A. M. MARKLEY, MOUND CITY, KANSAS

Pearl Herd Shorthorns

Valiant 346162 and Marengo's Pearl 391962 in service on herd. Choice early spring bulls by Valiant for sale. Thrifty and good prospects. Scotch and Scotch Topped. Correspondence and inspection invited.

C. W. Taylor

Abilene, Kansas

Abbotsford Stock Farm

30 years the home of

Scotch and Scotch Topped Shorthorn Cattle

For Sale: 20 bulls, six to 12 months old. Roans and Reds.

Also a nice lot of yearling and two year old heifers. The two year olds are safe with calf. 130 head in the herd. Inspection invited. Address

D. Ballantyne & Son, Herington, Kan.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

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A. B. Hunter, S. W. Kansas and West Okla., 614 So. Water St., Wichita, Kan.
John W. Johnson, N. Kansas and S. Nebraska, 820 Lincoln St., Topeka, Kan.
Ed R. Dotsey, North Missouri, Iowa and Illinois, Cameron, Mo.
Jesse R. Johnson, Nebraska, 1937 South 16th St., Lincoln, Neb.
C. H. Hay, S. E. Kan., So. Mo. and E. Okla., 4204 Windsor Ave., Kansas City, Mo.

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.

Dec. 17—Ed Sheehy, Hume, Mo.
Jan. 21—Joe Hemmy, Hill City, Kan.
Jan. 23—A. C. Lobough, Washington, Kan.
Jan. 26—Ira Dodson & Son, Aledo, Ill.
Feb. 1—Beall & Jackson, Roca, Neb.
Feb. 2—John Kimmerer, Mankato, Kan.
Feb. 3—J. H. Hamilton & Son, Guide Rock, Neb.
Feb. 4—Albert Smith & Sons, Superior, Neb.
Feb. 5—H. L. Pritchett, New London, Mo.
Feb. 8—Jas. Arkell, Junction City, Kan.
Feb. 9—Jas. W. Anderson, Leonardville, Kan.
Feb. 10—Agricultural College, Manhattan, Kan.
Feb. 11—G. A. Wiebe, Beatrice, Neb.
Feb. 12—W. E. Willey, Steele City, Neb.
Feb. 13—J. F. Foley, Oronoque, Kan.
Feb. 13—Thos. F. Walker & Son, Alexandria, Neb.; at Fairbury, Neb.
Feb. 15—Joshua Morgan, Hardy, Neb.
Feb. 17—J. H. Harter, Westmoreland, Kan.
Feb. 18—J. L. Griffiths, Riley, Kan.
Feb. 18—J. D. Mahan, Whiting, Kan.
Feb. 19—A. J. Swingle, Leonardville, Kan.
Feb. 20—E. E. Merten, Clay Center, Kan.
Feb. 24—John W. Noll, Winchester, Kan.
Feb. 25—T. M. Willson, Lebanon, Kan.
Feb. 26—Lambert Bros., Smith Center, Kan.
Feb. 26—W. E. Epley, Diller, Neb.
Mar. 1—Groninger & Sons, Bendena, Kan.
Mar. 2—H. B. Walter, Effingham, Kan.
Mar. 3—H. C. Graner, Lancaster, Kan.
March 3—Gilbert Johnson, Osceola, Neb.

Spotted Poland Chinas.

Feb. 24—Alfred Carlson, Cleburne, Kan.

Duroc-Jersey Hogs.

Nov. 28—Sam'l Drybread, Elk City, Kan.
Jan. 25—J. B. Swank & Sons, Blue Rapids, Kan.
Jan. 25—Geo. Briggs & Son, Clay Center, Neb.
Jan. 26—Ward Bros., Republic, Kan.
Jan. 26—Ira Dodson & Son, Aledo, Ill.
Jan. 27—Wells and Trump, Formoso, Kan.
Jan. 28—Dana D. Shuck, Burr Oak, Kan.
Feb. 6—Philip Albrecht & Sons, Smith Center, Kan.
Feb. 12—A. C. Buckingham and J. A. Porterfield, Jamesport, Mo.
Feb. 9—Agricultural College, Manhattan, Kan.
Feb. 10—Thompson Bros., Garrison, Kan.
Feb. 11—Samuelson Bros., Cleburne, Kan.
Feb. 12—Howell Bros., Herkimer, Kan.
Feb. 16—J. M. Layton, Irving, Kan.
Feb. 18—Buskirk & Newton, Newton, Kan.
Feb. 23—J. R. Jackson, Kanopolis, Kan.
Feb. 25—Martin Kelly, Verdon, Neb.
Feb. 27—A. N. Farnham, Hope, Kan.
March 5—Samuelson Bros., Blaine, Kan.
Mar. 11—W. W. Otey & Sons, Winfield, Kan.
Mar. 12—G. C. Norman, Winfield, Kan.
March 17—Mott & Seaborn, Herington, Kan.

O. I. C. Hogs.

Feb. 3—Chas. H. Murry, Friend, Neb.

Shorthorn Cattle.

Dec. 10—O. H. Stugard, Chanute, Kan.
Dec. 17—A. B. Garrison & Son, Summerfield, Kan.
Dec. 18—Irvin E. Wilson, Belvidere, Neb.
Dec. 30—Thos. Andrews Estate, Cambridge, Neb.
Jan. 15—L. R. Brady, Mgr., Manhattan, Kan.

Angus Cattle.

Jan. 21—L. R. Brady, Mgr., Manhattan, Kan.
Feb. 16—F. W. Schaefer, Yates Center, Kan.

Hereford Cattle.

Jan. 26—Mousel Bros., Cambridge, Neb.
Feb. 18—Nebraska Hereford Breeders' sale, Grand Island; Robt. Mousel, Cambridge, Neb., Mgr.

Holstein Cattle.

Dec. 15—F. W. Chase and W. H. Bechtel, Pawnee City, Neb.

Percherons.

Dec. 8—W. S. Corsa, White Hall, Ill.
Dec. 15—E. J. Quilter and others, Albion, Neb.
Dec. 16—C. F. Cooper, Nickerson, Kan.
Dec. 17—J. C. Robinson, Towanda, Kan.
Jan. 13—W. H. McAfee, Mgr., Topeka, Kan.
Jan. 28—Spohr & Spohr, Latham, Kan. Sale at Wichita, Kan.
Feb. 18—W. S. Boles & Sons, Enid, Okla.
Feb. 22—F. A. Cole, Barnard, Kan.; sale at fair grounds, Beloit, Kan.

Percherons and Other Draft Horses.

Jan. 26, 27, 28, 29, 1915—Bloomington, Ill. C. W. Hurt, Mgr., Arrowsmith, Ill.

Combination Livestock Sales.

Jan. 4 to 10—F. S. Kirk, Mgr., Enid, Okla.
March 8 to 15—F. S. Kirk, Mgr., Enid, Okla.

Clydesdale Horses.

Dec. 30—Thos. Andrews, Estate, Cambridge, Neb.

Jacks.

Dec. 16—C. F. Cooper, Nickerson, Kan.

S. W. Kansas and Oklahoma

BY A. B. HUNTER.

Leon A. Walte, Winfield, Kan., the old-time, reliable breeder of big Black Robinhood strains of Berkshires, has a fine lot of

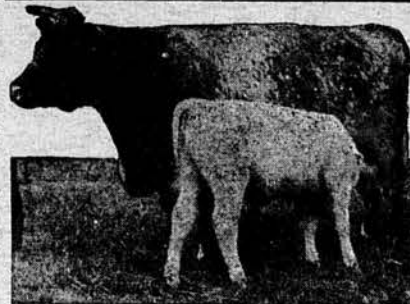
Lookabaugh's Shorthorns

More and better Shorthorns for my customers than ever before. \$20,000 worth of pure bred Registered Shorthorns to sell the next 60 days. \$1000 properly invested in these cattle will make you rich. Come early and get your pick; we pay your car fare home if you do not buy.

Foundation stock that carry the blood of the very best Scotch families.

2 heifers and a bull — milking strain, not related — \$250.

2 fresh milk cows, calf at foot and rebred-milking strain — \$350.

THE FARMER'S COW

Strong in the blood of the most noted sires of the breed.

8 head of heifers, milking strain and Scotch herd bull all for \$1,000.

A car load of rugged young bulls, \$100 to \$150 each.

A WORD TO MR. BREEDER

It is easy to increase the value of every Shorthorn you raise from \$10 to \$30, simply by using a better breeding bull. Stop and figure what this means even on the first crop of calves, whether you have 5 or 50 breeding cows and heifers in your herd. I have never before had such splendid herd bull material from which to select. I want to place these bulls where they will do the most good. The success of those who buy those herd bulls will prove more than all my prize winning and showing honors my ability as a breeder. Come and see them, you will say with others they are the greatest bunch of herd header material you ever saw on any farm.

CALL ON OR WRITE

H. C. Lookabaugh, Watonga, Okla.

Reduction of Shorthorns

Come to Doyle Valley Stock Farm

**175 Head of Shorthorns**

consisting of many choice animals that carry the blood of noted sires and fashionable families. Built up from foundation stock purchased from the best breeders of the Southwest.

50 HEAD MUST SELL IN 60 DAYS. Here is the Bargain Counter for the man who expects to start in the Shorthorn business. All kinds of Shorthorn Breeding Stock from which to select—Cows, Heifers and Bulls, cows with calf at side others due to calve soon. Included are grandsons and daughters of such sires as Avondale, Prince Odele and other noted sires. If you want Shorthorns come now. Write, wire or phone me when to meet you at Peabody either Rock Island or Santa Fe Depot.

M. S. CONVERSE, Peabody, Kansas

Combination Sale of Real Milk Cows

At farm three miles south of town

Pawnee City, Neb.

Tuesday, Dec. 15th

55—Head of Unregistered Holstein-Friesian Cows—55

About half in milk, others freshen soon. Much of the same breeding as Mo. Chief Josephine. Private records on many of these cows show 400 and 500 pounds butter annually. Heifers when mature will produce 15,000 pounds milk yearly. 6 registered bulls, best A. R. O. breeding. All raised on our farms and developed properly.

Span of real draft mares, weight 3600 pounds, bred to big jack; also several other extra good draft mares and fillies. For full information write either of us.

F. W. CHASE, Pawnee City, Neb.

W. H. BECHTEL, Pawnee City, Neb.

Aucts.—F. M. Woods, Nate Leonard. Fieldman—Jesse R. Johnson.

**HIGH GRADE and REGISTERED HOLSTEINS**

OVER 100 HEAD OF COWS, HEIFERS AND BULLS.

The silo and dairy cow are here to stay. There is big money and sure profit in the dairy farm if you use the right kind of cows. The Holstein has proven her worth in the North and East and is sure to take the lead in the southwest. Visitors welcome; call or write today.

Clyde Girod, Towanda, Kansas

SCOTCH and SCOTCH TOP BULLS

10 pure Scotch and Scotch topped bulls of serviceable ages.

Also 10 picked Poland China boars and my herd boar A's Big Orange.

Write for descriptions and prices.

S. B. AMCOATS, CLAY CENTER, KAN.

Shorthorn Bulls

6 bulls from 10 to 14 months old. Also 6 heifers from 1 to 2 years old. Got by pure Scotch sires. A grand lot. Prices reasonable.

L. M. Noffsinger, Osborne, Kan.

DAIRY CATTLE.

AYRSHIRES

Registered bull calves cheap. If taken before December. Good enough to head any purebred herd. DR. F. S. SCHOENLEBER, MANHATTAN, KANS.

Sunflower Herd Registered Holsteins

A number of choice young bulls all from A. H. O. dams and from proven sires and grandfathers. (A good bull is a profitable investment, a cheap bull will prove a disappointment.) Buy a good one from F. J. SEARLE, OSKALOOSA, KANSAS

Linscott JERSEYS

Premier Register of Merit Herd Est. 1878. Bulls of Reg. of Merit, Imported, Prize Winning stock. Most fashionable breeding, best individuality. Also cows and heifers. Prices moderate. R. J. LINSCHOTT, HOLTON, KANSAS

Registered Jersey Cattle

1 bulls from 1 to 12 mos. All solid colors by Blue Boy Baron. Also Fortshires Fine Boy. Extra individuals, 5% per cent Fortshires blood. Cows and heifers. S. S. SMITH, CLAY CENTER, KANSAS.

Holstein-Friesian Bulls

Very attractive prices on a registered herd bull, two years old and on younger registered bull calves for next few weeks. One a son of 90 lb. cow and her grand dam a 105 lb. cow. HENNINGSON BROS., ROSSVILLE, KANSAS.

BONNIE BRAE HOLSTEINS

I am offering this week 7 head of Registered heifers coming two years old and 6 head of cows from 3 to 5 years old. Will make an attractive price on the bunch. IRA ROMIG, Sta. B, TOPEKA, KANSAS.

SMITH'S ISLAND BRED JERSEYS

Have more ribbons than any other Western Herd. 754 Island breeding, 50 cows and heifers, both bred and in milk. 12 bull calves up to yearlings from great dams. J. B. SMITH, PLATE CITY, MISSOURI (10 Miles East of Leavenworth)

HIGH GRADE HOLSTEINS

Over 200 head in herd. Special prices on cows and 40 yearling and 2-year-old heifers, sired by Slindt Butter Boy King, whose dam and granddam were 27 lb. cows. 40 miles west of K. N. EAGER, R. R. No. 8, Lawrence, Kansas

HOLSTEINS—CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

Golden Rule JERSEY BULLS

We have the last two bulls ever sired by the great Island bred bull Ciceros Rochette Noble and will sell them within the next ten or twenty days at half their value. Ten months old and good individuals, out of splendid dams. Worth \$100 each, but \$50.00 will buy the choice. Registered and transferred free of charge. First check will have the preference. Wyllie & Johnson, Clay Center, Kan.

SOMMER--BLADS GUERNSEYS!

TUBERCULIN TESTED.

Some matured cows and young bulls by Chief Glenwood Boy of Haddon, Penwyn 2d and Flash of Fenmore (A. R. 55). Address ERNEST KENYON, Nortonville, Kansas

GUERNSEYS

I have one very choice Guernsey bull of serviceable age, out of imported sire and dam; also one six-months' old bull—very choice.

OVERLAND GUERNSEY FARM,

OVERLAND PARK, KANSAS

POLLED DURHAMS.

Sleepy Hollow Polled Durham Cattle

12 good bulls coming 1 year old, bred cows and heifers for sale. Also a number of good Jacks. C. M. HOWARD, Hammond, Kansas.

HEREFORDS.

Polled Hereford Bulls of serviceable age. 25 Rock cockerels. Write W. C. MUELLER, Hanover, Kan.

TILLEY'S HEREFORDS

A carload of richly bred heifers. 20 yearlings and 13 two-year-olds. The two-year-olds are safe with calf. Extra choice.

Also a few choice Poland China boars and Black Langshan cockerels. Address S. W. TILLEY, IRVING, KANSAS

Prime Herefords

Clover Herd headed by Garfield 4th, by Columbus 53rd. Choice cows from Funkhouser, Sunny Slope, Newman and other noted herds.

FOR SALE—Choice bulls of all ages; also heifers and cows. Will sell Garfield 4th, because related to my young stock.

F. S. JACKSON, Topeka, Kansas

Sedlacek Herefords

14 bulls from 6 to 16 months old for sale. Popular breeding and the best of individuals. Write for full particulars and prices.

J. F. Sedlacek, Blue Rapids, Kan.

choice spring boars and gilts and is making a reduction in price for the next few weeks on a full line of Berkshire breeding stock. Write him your wants.

If you want a big boned jack, that any neighborhood might well be proud of, call on or write J. H. Smith, Kingfisher, Okla.

Girod's Holstein Cattle.

Clyde Girod, Towanda, Kan., can supply your wants in either high grade or purebred registered Holstein cattle. He has a fine lot from which to select. When attending the Robinson sale, Towanda, Kan., on December 17, do not fail to come a day early or stay a day later and look over Mr. Girod's herd. Write him today and tell him which day you can call. Please mention Farmers Mail and Breeze.

Immune Berkshires.

W. O. Hazlewood, Wichita, Kan., can supply you with spring boars now ready for service or gilts bred for early spring farrow. These Berkshires are strong in the blood of Masterpiece on their dam's side and are by Lee Crusader, a son of the mammoth Big Crusader, by Revelation and out of the grand champion sow, Mrs. Lady 2d. These young boars, as well as the bred gilts, include both the farmer's and breeder's kind and are all immune to cholera and guaranteed to satisfy the purchaser. They will be priced to go soon so do not wait but write at once describing your wants.

Big Percheron Brood Mares.

Harris Brothers, Great Bend, Kan., whose Percheron ad appears in this issue will be pleased to have you call at their farm and look over their herd of Percherons. They have a large number of big brood mares safe in foal. They are in the ton class and their last season colts by Algarve, by Sampson, a horse weighing right at 2,200 pounds, will show you plainer than I can write what you may expect from such big, breezy mares and such a sire. If you want Percheron mares buy a ticket to Great Bend, Kan. Harris Brothers have the kind you want. If you want the big boned, breezy type of Percheron. Farm three miles from town. Write them today when to meet you at the depot.

Lookabaugh, Watonga, Okla.

To those who have visited the leading state fairs and read the livestock advertising in this paper in the last few years whenever the word "Watonga" is read or spoken it somehow suggests "Lookabaugh" and the name of "Lookabaugh" at once suggests "Shorthorns." Another suggestion that comes to many when they hear the name of "Lookabaugh" is large type Poland Chinas. H. C. Lookabaugh, Watonga, Okla., has one of the largest herds of hogs in the state of Oklahoma and those in need of breeding stock should get in touch with him at once. He has a great array of fashionably bred spring males now ready for service and the kind that are sure to please you in both quality, size and price. Write him today, mentioning Farmers Mail and Breeze.

Champion Smuggler Boars.

J. B. Myers of Galva, Kan., is offering special prices on some exceptionally good boars sired by the grand champion, Smuggler. These youngsters will weigh in the neighborhood of 200 pounds. In just thrifty breeding condition. As individuals they will please the most exacting and their breeding is as good as the best. Mr. Myers is making close prices on these fellows for 30 days. If they are not sold by that time he will put them on the market as he must have the room. One of these pigs went to C. S. Close of Gorham, Kan., who wrote under date of November 11, "The pig arrived yesterday all O. K. and meets my expectations. He looks as if he ought to make good." If you can use one of these pigs at a very reasonable price write Mr. Myers and mention Farmers Mail and Breeze.

Percheron and Jack Sale.

C. F. Cooper, Nickerson, Kan., will sell Wednesday, December 16, 30 head of horses, jacks and mules and 50 head of cattle, among which are 18 head of grade Jersey cows and heifers from 2 to 5 years old, all fresh or due to calve soon. Among the horse attractions are six head of Percherons most all strong in the blood of Coco Brilliant Besique and other sires of note, and registered in Percheron Society of America. Included are two unusually good Percheron stallions in the ton class, one an imported grandson of Besique and a cousin of the champion Casino and the other a stallion that has many state prizes to his credit. An extra good Belgian stallion also sells. He was a first prize winner at Hutchinson this year. The display ad in this issue gives further description. Those who wish dairy cattle should not miss this opportunity. Write today for circular. Please mention Farmers Mail and Breeze.

Durocs at Reasonable Prices.

The writer recently visited the Duroc herd of E. L. Hirschler, Halstead, Kan. Mr. Hirschler is a young man from the Kansas State Agricultural college, who gives promise of making good in the hog business. He has at present a handsome lot of spring boars that he is pricing very reasonably. They would do credit to any breeder of established reputation. He is also offering a nice lot of spring gilts, by Tatarrax Chief and E. L.'s Col., safe in pig to Graduate King, by the great Graduate Col. This son of Graduate Col. is showing by his fall litters now at hand the wonderful breeding qualities of his sire and whoever is fortunate enough to get one of these handsome gilts, bred to him, is practically sure of a prize litter. They will be priced very low considering quality and blood lines. You do not need to see them, they will please you. Send your order today.

Robison's Percheron Sale.

J. C. Robison of Towanda, Kan., will sell at Whitewater Falls Stock Farm, Thursday, December 17, 50 Percherons, 25 stallions and 25 mares ranging from yearlings to mature age. Included in this offering will be his this season's show herd of state fair prize winners. Most all of the mares are either sired by or bred to the World's Fair champion, Casino. A number of his good sons will also be included. Fifteen 2-year-old stallions sell weighing right around 1,800 pounds, among which are some of the best young stallions ever sold from Whitewater Falls Stock Farm. There will be an unusually good bunch of 3-year-old mares showing heavy in foal. Among other attractions will be Flora and Theresa, the champion pair of matched mares at Hutch-

Percheron Stallions and Mares

50 Head of Percherons

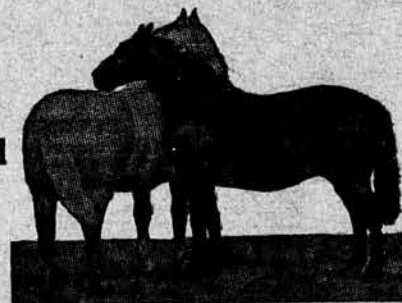
All Registered

in the

Percheron

Society

of America



Algarve by Samson

at the head of the herd, is a wonderfully impressive sire, weighing over 2200 pounds.

Young stallions and mares by Algarve and big handsome mares of correct type, in foal to him, make up a large part of this offering. His two-year-old daughter was 1st in class at the International and the mares we offer you bred to him are the kind that will do honor to him.

If you want Percherons, we want to meet you and there is no better way than right at our barns and pastures, where you can see what they are and how we raise them. When you see this year's crop of big-boned, square-built, handsome colts you will have a better idea of what we have to sell.

These Percherons are strong in the best blood ever imported from France. They have size, bone and conformation that cannot help but please you if you want the good, big draft type of Percheron. We expect to sell Percherons because we have the right kind and at prices you will say are reasonable. Write wire or phone what you want or when you can call at the farm, 3 miles East of Great Bend. Shipment over both Missouri Pacific and Santa Fe. Call on or address

Harris Bros., Great Bend, Kan.

LAMER'S PERCHERONS

75 IMPORTED AND HOME-BRED PERCHERON STALLIONS AND FILLIES FOR SALE

WRITE TODAY FOR CATALOG

C. W. Lamer, Salina, Kan.

Brilliant Blood, Jet Blacks, Rich Grays

Registered Percheron studs, 1, 2, 3 and 4 years old. I grow great big fellows with extraordinary bone and heavy quarters—I love a good horse. Come and visit at my plain old-fashioned Percheron farm that has the goods, and lots of them. Don't let anyone tell you that they have Percherons just like Fred Chandler's. Just above Kansas City. FRED CHANDLER, Route 7, Chariton, Iowa.



German Coach

70—Horses—70

The great general purpose horse. Satisfaction guaranteed. Write or call.

J. C. BERGNER & SONS, Pratt, Ks.

Percheron Stallions and Mares

At Woodland Stock Farm

35 Head from which to select. Write your wants today. Our prices talk best.

SPOHR & SPOHR

LATHAM, BUTLER COUNTY, KANSAS

Many a man who cannot afford to get his wife a washing machine would think nothing of a two-hundred-dollar coffin—and store flowers!

For Sale

2 Black PERCHERON Stallions Big, sound, attractive horses, with unusual style and action. Priced to sell. Bargains. Sifton Farm, Lawrence, Kans.

At Public Sale

5 Miles North of

La Crosse, Kan., Dec. 11, 1914

5 head of Registered Percheron horses consisting of 1 2-year-old Brilliant bred stallion, dapple gray, weight 1950 pounds; 1 black mare, 5-year-old, weight 1800 lbs.; 1 gray mare, 4-year-old, weight 1800 lbs.; 1 black mare, 1-year-old, weight 1200 lbs.; 1 bay mare, 7 months old. There will be several other good horses and some cattle in the sale. Send for folder. JNO. W. YEOMAN, LA CROSSE, KAN.

JACKS AND JENNETS.

Big Boned Jacks and Jennets

Herd won more prizes at Oklahoma State Fair 1914 than all others combined. One of the oldest established herds in the state. J. H. SMITH Kingfisher, Okla.



MAMMOTH JACKS

You will find at my barns one of the largest number of best quality registered, big-boned black jacks, 15 to over 16 hands, to be found in the U.S. Reference, Banks of Lawrence, Location 40 miles west of Kansas City on the U. P. and Santa Fe. Prices reasonable.

Al E. Smith, Lawrence, Kas.

Jacks and Jennets

A good lot of two to six-year-old jacks, well broke and quick servers, the kind that gets business in any community. Reduced prices for the next 30 days. Call or write.

PHIL WALKER
MOLINE, KANSAS



O. I. C. HOGS.

O. I. C. PIGS Profile Types Registered. ED KRAUS, HAYS, KAN.

O. I. C. FALL BOARS REGISTERED FREE. HENRY KAMPING, ELSMERE, KANSAS.

O. I. C. BOARS THAT ARE EXTRA GOOD. HARRY W. HAYNES, MERIDEN, KANS.

SunnySide Herd O.I.C.

80 Spring pigs both sex, pairs and trios not related, best of breeding, priced right. W. H. LYNCH, Reading, Kan.

O.I.C. Spring and fall pigs, good herd boar and bred sows. Special prices for next 30 days. A. G. COOK, WALDO, KAN.

Grandview Stock Farm

25 O. I. C. March and April, boars and gilts. Special prices for the next thirty days. ANDREW KOSAR, Delphos, Kan.

O. I. C. Bred Sows and Gilts

A few tried sows and gilts, bred for fall farrow, 150 spring pigs with size and quality, also a few boars ready for service. Write for prices. JOHN H. NEEF, BOONVILLE, MISSOURI

Maple Grove O. I. C's.

At Reduced Prices
Pigs two to three months old, \$9.00 each, \$17.00 per pair, \$25.00 per trio. May gilts \$17.50 each; bred gilts \$25.00 each, two for \$45.00; May boars no kin to them or their offspring \$15.00 each; March boars \$18.00 each; extra good yearling boar \$27.00; extra good herd boar (500 pounds) \$32.50. Fifteen choice bred sows \$35.00 each.
F. J. Greiner, Billings, Mo.

HAMPSHIRE.

Registered Hampshires Choice boars and gilts, well marked A. Swanson, Windom, Ka.

Hampshire Boars and Gilts at close prices. Registered. Also 50 pure bred Buff Leghorn Cockerels. F. B. Wempe, Frankfort, Kan

REGISTERED HAMPSHIRE 150 gilts and boars, all ages. Cholera immuned. Description guaranteed. C. E. LOWRY, Oxford, Kan.

HAMPSHIRE Best of blood lines, well marked pigs, pairs or trios, with young boar to mate gilts. Breeding stock at all times for sale. Satisfaction guaranteed. S. E. SMITH, LYONS, KANSAS.

Hampshire Hogs-Dutch Belted Cattle

For Sale: 6 fall yearling boars, and a number of good spring boars. Also cattle, bulls and females. Address C. W. Weisenbaum, Altamont, Kansas.

Hampshire Hogs For Sale

Five dandy tried sows, bred; a number of gilts bred or open; 12 extra good boars, serviceable age and a fine lot of weanlings. All stock pedigreed and double cholera immuned.
DR. E. G. L. HARBOUR, BALDWIN, KAN.

SUNNY SLOPE FARM HAMPSHIRE

Fall pigs now coming—orders booked, 3 for \$50.00. A few spring pigs good enough to show at \$25.00 and \$40.00. Also three bred sows. I guarantee to please you or adjust any difference to your complete satisfaction.
FRANK H. PARKS, Olathe, Kansas

DUROC-JERSEYS.

Smith's Durocs

Yearling gilts, by Smith's Graduate, others by Tattler, by Tattler, bred for September litters. Spring pigs either sex. Priced reasonably. J. R. SMITH, NEWTON, KANSAS.

DUROC-JERSEY BOARS AND GILTS

100 head both sex and pairs not related, sired by Van's Crimson Wonder and Iowa Chief.
GARRETT BROS., STEELE CITY, NEBRASKA

Inson State Fair this year, both showing heavy in foal to Casino. Do not fail to send early for a catalog. It will surely interest you if you want Percherons. Please mention Farmers Mail and Breeze.

Huston's Duroc-Jerseys.

If you are in need of a good Duroc-Jersey boar it will pay you to get into communication with W. R. Huston of Americus, Kan., who ships only the good ones. If he didn't ship good hogs his old customers wouldn't come back for more of his stock like they do. His hogs have the best of breeding back of them and are always the best in individuality. He raises them so that they will make good in the purchasers' hands. He is offering at this time 22 head of choice boars, 4 good fall boars and 18 fine spring boars. These are sired by Golden Model 4th, by Golden Model 3rd, by old Golden Model. There is no better breeding and the boars by him are good ones. Several of the boars are by Country Gentleman. His dam was grand champion sow, weighing 800, at Sioux City Interstate fair. His sire was 2nd prize aged boar and Country Gentleman is a chip off of the old block and an extra good breeder. Also four extra nice boars by Model, a Golden Model show boar in one of the good herds of Iowa. Go and see these boars or write today as they are priced very reasonably. Please mention Farmers Mail and Breeze.

Illinois and Indiana

BY ED. R. DORSEY.

On December 8, W. S. Corsa of White Hall, Ill., will hold his annual Percheron stallion and mare sale which will include 50 high class horses. This offering is as good as can be bought in Europe or bred in America. Mr. Corsa is of the opinion that this offering would bring him considerably more money if he should keep them until next spring but he planned this sale before the trouble in Europe and he is a man that dislikes to have anything break in on his business arrangements and for this reason he will go on with the December 8 sale. Gregory Stock Farm Percherons are headed by Carnot, the highest priced Percheron stallion in America. He is a champion himself and the sire of many state fair and international prize winners. His get is a prominent feature in this offering and many of the choicest mares are bred to him. Write today for a catalog and mention Farmers Mail and Breeze.

Nebraska

BY JESSE R. JOHNSON.

J. B. Smith of Platte City, Mo., owns one of the best herds of Jersey cattle in the country. He has won more state fair prizes during recent years than any other western breeder. His herd is very largely of Island breeding. His present offering includes cows and heifers, bred and in milk. Also choice bull calves up to yearlings out of high producing dams. Mr. Smith makes attractive prices on his cattle. If interested write him and mention Farmers Mail and Breeze.

Shorthorn and Clydesdale.

We are this week claiming dates for the big dispersion sale to be made at Cambridge, Neb., on December 30 and 31, by G. and D. Andrews, executors of the Thos. Andrews estate. This sale will be of registered Shorthorn cattle and Clydesdale horses. Over 100 head of registered cattle will be sold and 16 head of registered Clydesdale horses. More about this sale will appear later but it will be all right to file application now for catalog. Mention this notice when writing.

Mousel Brothers' Herefords.

A visit to the Mousel ranch out at Cambridge, Neb., will convince any stockman that the reputation enjoyed by Mousel Brothers and their great herd of Herefords is well deserved. Two thousand acres of land, 400 acres of it creek bottom, from which corn making over 100 bushels an acre is being husked, several big silos and over 300 head of registered cattle are enough to claim the attention of anyone that understands the greatness of the industry in which Mousel Brothers are engaged. The big thing, of course, is the cattle and the attraction of the herd because of what he has done in producing the kind that win. At the Denver show last winter, this herd won first and second on calf herd, first on both senior and junior bull calf, with 24 in class, second on young herd, second and third on get of sire. Sixteen out of the first 20 head in the get of sire class were either sons or grandsons of Beau Mischief. There were over 60 in this class. At International last year five head were shown, winning as follows: First on senior heifer calf, third on calf herd, fourth on get of sire and young herd. Mousel Brothers claim January 26 as the date for their annual sale. When writing to them about cattle kindly mention this paper.

Big Holstein Sale.

The opportunity of the season to buy high producing Holstein cows will be at Pawnee City, Neb., Tuesday, December 15. A couple of good herds have been drawn upon for material for this sale. F. W. Chase and W. H. Bechtel have for years given their time and best efforts to producing Holsteins with capacity for the greatest possible production. Theirs are the working kind and every one to be sold is either a high producer or will be when developed. The cattle were raised right on the farms of the men making the sales and are not the kind that speculators buy and sell. Many of the cows and heifers that go in this sale are closely related to the world's noted cow, Missouri Chief Josephine. Both gentlemen have for years kept a complete record of the performances of the cows in milk and these records show cows giving up to 500 pounds of butter annually and there is no doubt but what there are heifers in the sale good enough to produce 15,000 pounds of milk annually if they are properly handled and developed. The five young recorded bulls come from a long line of the best producers. They are excellent individuals and well marked. Included is one mighty good recorded bull 3 years old and one high grade two years old. It is doubtful if a better lot of working Holstein cattle were ever offered at auction in this state. Every animal will be sold upon its merits and any defect will be pointed out. These are the kind that should go to the farmers and dairymen of Nebraska and Kansas and it is sincerely hoped that they will avail themselves of this rare opportunity to buy the

DUROC-JERSEYS.

IMMUNED DUROC-JERSEYS

Best of blood lines. Big type. Plenty of all ages. Prices right. Guaranteed. MOSER & FITZWATER, GOFF, KANSAS.

115 Rich Bred, RICH RED DUROCS

14 March boars, the tops, nice growthy fellows not fat, weight 125 lbs. to 160 lbs., and Red. Cheap for quick sale. TYSON BROS., McALLISTER, KAN.

Durocs Immune

Duroc males for sale at twice their market value per lb. Guaranteed Immune and breeders. Inspection before you pay. F. C. CROCKER, FILLEY, NEBR.



Duroc-Jersey Bred Sows

Fall Yearlings, bred to Advance. Extra individuals, Crimson Wonder and Col. blood. Also Tried sows open and yearling and spring boars. Will ship on approval. Bed rock prices for quick sale. W. B. ALBERTSON, LINCOLN, NEB., Route 7.

PRIVATE SALE OF DUROC-JERSEYS

6 choice spring boars, 25 spring gilts, 15 fall yearling gilts sired by Royal Wonder. Am pricing the tops and will sell gilts open or bred at reasonable prices. Write for descriptions. D. S. COCHRAN, LINCOLN, NEBRASKA

SCHWAB'S Duroc-Jersey Hogs

150 head for the season's trade. Both fall and spring boars and females of all ages. Choice individuals of best breeding. Also Red Polled Cattle. Prices right. Geo. W. Schwab, Clay Center, Nebr.

Select Chief, The Grand Champion

this fall at Hutchinson and Oklahoma City. We won 24 ribbons at the two shows. All our top spring boars at private sale. Write for particulars and prices. THOMPSON BROTHERS, Garrison, Kansas.

Good E. Nuff Again King, Grand Champion

Crimson Wonder 4th, second, Kansas State Fair 1913. Oley's Cream, Junior champion Kansas State Fair 1914. Herd boars and grand champion prospects for sale. W. W. OLEY & SONS, WINFIELD, KANS.

25 March and April Boars

by Dreamland Col., by Clear Creek Col., by Burt 711, by Crimson Wonder 4th, from \$20 to \$35. Herd boar prospects and show prospects. Write soon and get the choice ones. J. R. JACKSON, KANOPOLIS, KAN.

Pawnee Crimson 117813

by Crimson Wonder 3rd. Spring and last fall boars for sale by three different boars. Priced to sell. DANA D. SHUCK, BURR OAK, Jewell Co., KAN.

Bonnie View Stock Farm

For Sale: March and April boars and gilts by Tat-A-Walla and Jayhawk Crimson Wonder. Also 10 or 12 choice last October gilts, either bred or open. SEARLE & COTTE, BERRYTON, KANSAS

Illinois Durocs For Sale

Eight high class spring pigs and ten fall gilts by Chief Selection and Professor King. We do our own breeding and handle nothing but our own stock. Get prices. WM. SCHLOSSER, HENRY, ILLINOIS.

WOODDELL'S DUROCS

Herd headed by Rex E. Nuff by Good E. Nuff Again King and brother to Oley's Dream. Spring boars and gilts priced reasonable. Satisfaction guaranteed. G. B. WOODDELL, WINFIELD, KANSAS

Hirschler's Durocs

Herd headed by Graduate King, by Graduate Col. Gilts by Tattler Chief and E. L. Col. bred to him; also a fine lot of spring boars, priced for quick sale. Write today. E. L. HIRSCHLER, HALSTEAD, KAN.

ASH GROVE DUROCS

Choice spring boars weighing 125 to 150 pounds. Priced to sell and guaranteed. PAUL SWEENEY, BUCKLIN, KANSAS.

17 MARCH BOARS

Sired by Wylie's Good Enough, by Good Enough Again King, the grand champion boar last season. Extra values in this offering. Satisfaction guaranteed. A. L. WYLIE & SON, CLAY CENTER, KANSAS.

SIZE and-QUALITY DUROCS

A choice lot of spring pigs. Pairs, trios, and young herds unrelated, also fall gilts. B. & C's Col., Superba, Defender, Perfect Col. and Ohio Chief blood lines. Description guaranteed. John A. Reed, Lyons, Ka.

BANCROFT'S IMMUNE DUROCS

We hold no public sales; nothing but the best offered as breeding stock. Choice spring boars, also gilts, open or bred to order for spring farrow. Customers in 13 states, satisfied. Describe what you want. We have it. D. O. BANCROFT, OSBORNE, KANSAS



Royal Scion Farm Durocs

The Great Graduate Col., Col. Scion and Gano's Pride head this herd. Extra choice Fall and Spring boars. Their dams are our best matured tried sows. G. C. NORMAN, Route 10, WINFIELD, KAN.



25 Choice Duroc-Jersey Boars 25

Priced so the farmer can buy them. Type and quality that add size and vitality to a herd. The blood of champions. I also have registered saddle stallions for sale, from colts up to 4 year olds, sired by Rex McDonald and Astral King, the two champion saddle stallions of the world. Write for prices, mentioning The Farmers Mail and Breeze. R. W. TAYLOR, OLEAN, MISSOURI.

BALDWIN DUROCS

Baby boars \$7. Spring gilts \$25. Bred to "Bell the Boy" the undefeated first prize winner at the "Kansas State Fair" the "Tenn. State Fair" and the "Interstate Fair". Immune. Rose Comb Rhode Island Reds. Winners at the big shows, 19 incubators. Cockerels \$2. Call and see us. R. W. Baldwin, CONWAY, McPherson Co., Kan.

REDS \$2

BIG TYPE UNPAMPERED BERKSHIRES

150 sows bred to Fair Rival 10th. King's 4th Masterpiece, Truetime, King's Truetime, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow from August 1st to December 1st. Eighty bred sows and gilts to farrow soon. Open gilts and boars ready for service. Not a poor back or foot. Every man his money's worth. E. D. KING, BURLINGTON, KANSAS.

DUROC-JERSEYS.

DUROC-JERSEY—O. I. C.

boars, both breeds of March farrow at \$12.50 to \$20. Satisfaction guaranteed. J. M. Layton, Irving, Kan.

CAMPBELL'S DUROCS

A few yearling sows, also spring pigs—the handsome, stretchy kind. Ohio Chief, Col. and Model Top blood lines. Can ship via Rock Island or Santa Fe. Satisfaction guaranteed. A. T. CAMPBELL, MARION, KANSAS

Twenty-Two Duroc Boars

Both fall and spring farrow, sired by Country Gentleman, Golden Model 4th and other excellent sires. Splendid individuals and bred good enough for anybody. All guaranteed immune and priced worth the money asked. Write W. R. Huston, Americus, Kan.

Thompson's Duroc-Jerseys

Fifty spring male pigs now ready for shipping. All the first class breeding known to Duroc-Jerseys in our herd. We breed more than blood, we go our length on individuality. W. H. & GEO. E. THOMPSON, COLUMBIA, MO.

Illinois Duroc-Jersey Pigs

By Chief Selection 124885, Pnl. 44543, Prof. King 35481. Out of sows just as well bred. Have a great lot of strong husky March males priced right. W. L. STONER, HENRY, ILLINOIS

Marsh Creek Herd DUROCS

Choice boars by Crimson Defender. Immune boars for the farmer at farmer's prices. Write for descriptions and prices. RALPH P. WELLS, FORMOSO, KANSAS

TATARRAX HERD DUROCS

No bred sows or gilts to spare. Special prices on spring pigs. Pairs, trios and young herds with male to mate. Everything immunized by double treatment. Write today. BUSKIRK & NEWTON, Newton, Kan.

Maplewood Durocs

No fall sale but special prices for a while on top spring boars and a few choice fall boars. Write us your wants. MOTT & SEABORN, HERINGTON, KAN.

BRED GILTS

Yearling gilts, growing and thrifty, bred for late summer and early fall farrow, to a good sire of Col. Chief breeding. Prices reasonable. HAROLD P. WOOD, Elmdale, Kan.

HOWE'S DUROCS

Fall yrsg. gilts, out of most prolific sows of breed. Spring boars and gilts by J. U.'s Model by Model Duroc, half bro. of Hutchinson State Fair champion; special low prices on spring boars ready for service. J. U. HOWE, WICHITA, KANSAS

Special For 30 Days

1 herd boar, by Model Top; 3 tried sows, open; 25 spring boars; 40 spring gilts, also fall pigs. All immunized by the double treatment. R. C. WATSON, ALTOONA, KAN.

SHEPHERD DUROCS

Ohio Chief, Col. and Good E. Nuff Again King blood lines. Choice from large litters, spring and winter boars good enough to please the breeder and at farmer prices. G. M. SHEPHERD, Lyons, Kan.

Hillcrest Farm Durocs

Boars ready for service sired by Taylor's Model Chief, half brother to Grand Champion Mo. State Fair, 1914. Good boars at farmers' prices. All Immune. E. N. FARNHAM, Hope, Kans.

50 Duroc-Jersey Boars

The actual tops from the 375 pigs of March and April farrow. Sired by five different boars. Up to date breeding and well grown. Farmer's prices quoted. No fall sales. Write SAMUELSON BROS., Cleburne, Kan.

Private Boar Sale

Top boars from our 115 March and April Duroc-Jersey pigs. Nothing but choice ones priced. Extra size, best of breeding. Prices reasonable and satisfaction guaranteed.

HOWELL BROS.
Herkimer, Marshall Co., Kansas.

MULE FOOT HOGS.

"Mule Footed Hogs"
The coming hogs of America. Hardy, good rustlers. Pigs 10 to 16 weeks old \$30 per pair. Circular free.
J. B. DICK, LABETTE, KANSAS

BERKSHIRES.

Hazlewood's Berkshires
Spring boars, bred gilts—immune: priced to sell.
W. O. HAZLEWOOD, WICHITA, KANS.

Walnut Breeding Farm

BERKSHIRE boars and gilts, spring farrow, grandsons of Barron Duke 50th, Big Crusader and Masterpiece 17000 and out of Lord Premier sows, also an imported bred outstanding 2-year-old boar and a few good Hereford bull calves. Leon Waite, Winfield, Ks.

Outstanding BERKSHIRES

PRICED TO SELL
We make a specialty of developing foundation stock for the best breeders. 15 spring and 2 yearling boars, also 30 spring gilts and 30 bred and open sows now ready to ship.
J. T. BAYER & SONS, YATES CENTER, KANS.

Private Berkshire Sale

10 Aug. and Sept. boars at \$25 to \$50. 70 March and April pigs by three noted show boars. Dutchess and Imp. Baron Compton dams. Address **H. E. CONROY, NORTONVILLE, KAN.**

BERKSHIRES

for show and utility purposes. Write for prices, describing your wants, and get a photograph of the animal quoted you and thus have some idea of what you are going to get for your money.

Kiesler Farm, Perryville, Mo.



Special Offering
Sutton Farm
Berkshires

125 head for sale, 10 service boars, 15 bred sows and gilts, 100 fancy spring pigs, at attractive prices. Write today.

SUTTON FARM, LAWRENCE, KANSAS

POLAND CHINAS.

POLAND CHINA BOARS AND GILTS
Good ones at prices that move them. Also Black Minorca Cockerels for sale. **W. F. FULTON, Waterville, Kansas.**

I Have Some Fancy Males FOR SALE at A BARGAIN. Priced to sell. Sired by my blue ribbon reserve champion and grand champion boars. **W. Z. BAKER, RICH HILL, MO.**

Spring Brook Stock Farm
For sale: Poll Durham Bulls and Poland China boars. Write me for prices. **T. M. Willson, Lebanon, Kan.**

Spring Boars By the champion Smuggler priced for quick sale. **J. B. Myers, Galva, Kan.**

Poland Chinas with size and quality herd boars King Hadley, Chief Giant and Long Look. Cholera immune. Stock for sale. **LAUBERT BROS., SMITH CENTER, KAN.**

POLAND CHINA BOARS of March farrow for sale. Prominent breeding. Prices will suit. Address Sam Herren, Penokee, Graham Co., Kan.

J. F. Foley, Oronoque, Kan. (NORTON COUNTY) 25 Early Poland China Boars. Big kind. Prices right. Address as above.

Strauss' Big Poland Chinas
Six last fall boars and 18 spring boars by Model Wonder (900 pounds) and Blue Valley Chief by Blue Valley. Write me your wants. **O. R. STRAUSS, MILFORD, KANSAS**

Poland China Boars
March and April farrow. Also a few choice fall yearlings. These are actual top and for sale at reasonable prices. Strictly Big Type. Gilts reserved for bred sow sale. **JAS. ARKELL, Route 4, Junction City, Kansas**

Wiebe's Immune Polands
March boars weighed 300 pounds Nov. 1st with 7 1/4 inch bone. All from big litters and fashionable big type breeding. Choice March and April boars and spring yearlings. Priced to sell quick. Satisfaction guaranteed.
G. A. WIEBE, BEATRICE, NEBRASKA.

SHEEHY'S BIG POLAND CHINAS
Fall yearling gilts, spring gilts and tried sows, bred for early farrow. Fall weanling pigs. Everything immune. **Ed Sheehy, Hume, Mo.**

Fall and Spring Boars For Sale
12 November boars; big, stretchy fellows. Smooth and all right at \$25 and \$30 each. 25 spring boars sired by Sterling by Brookside by Major Hadley and out of sows good enough for anybody's herd. Write your wants. **A. L. Albright, Waterville, Kan.**

BECKER'S Poland Chinas
65 early spring pigs from large even litters, descendants of A Wonder, Big Hadley and Progression. Price and pigs will both please you. Pairs and trios at reduced prices. Satisfaction guaranteed.
J. H. BECKER, NEWTON, KANSAS.

Big Orange Again and Gritters Surprise
Early spring boars. Herd header material at reasonable prices. Write for descriptions, breeding and prices.
A. J. SWINGLE, LEONARDVILLE, KAN.

best close at home. Besides the Holstein cattle, there will be sold some of the best draft mares ever offered at auction in southern Nebraska. Included is a pair of high grade Percherons 7 years old, both perfectly sound, regular breeders and in foal to one of the best jacks in Nebraska. If more information is desired about this sale write **W. H. Bechtel, Pawnee City, Neb.,** and mention this paper.

S. E. Kansas and S. Missouri

BY C. H. HAY.

J. F. Staadt's sale offering at his farm near Ottawa, Kan., November 5, was well received. Farmers and breeders were much pleased with the uniform type and quality of Mr. Staadt's hogs but local cholera scare and the poor corn crop prevented the offering from bringing the prices it merited.

In this issue we are starting the card of **C. W. Weisenbaum** of Atamant, Kan. He is offering large growthy Hampshires of either sex. Mr. Weisenbaum's faith in his stock is expressed in the way he guarantees them. He states that he will gladly refund your money on any purchase that is not satisfactory. If interested in Hampshire hogs or Dutch Belted cattle write him for description and prices.

Sheehy's Poland Chinas.

Ed Sheehy of Hume, Mo., has had a very large trade in the line line this fall and is nearly sold out. He orders his copy changed and is now offering bred sows, display and fall yearling gilts. He also offers fall weanling pigs of both sexes. On these pigs he is making exceptionally low prices. If you want to get a purebred pig or two at a very little expense this is your chance.

Good Shorthorn Offering.

Parties interested in Shorthorns will have another chance to buy stock at **O. H. Stugard's** sale, Chanute, Kan., December 10. Mr. Stugard's offering is one of the farmer's kind. They have been handled just like home. Mr. Stugard says, "These cows are all good milkers, gentle and well broke for dairy purposes." There will be 40 head sold, including his herd bull Chanute Price, by Royal Gloster 232568, by Aberdeen 217301, dam Princess Sycamore 46439, tracing to Imp. Stephanotes. He is the splendid bull whose picture you see in this display ad. He is deep red in color, of good conformation, good disposition, a good breeder and is only 3 years old. A number of the calves are sired by this bull. We want you to come to this sale, but if you cannot spare the time and want to buy a nice bull or heifer, write the fieldman of this paper about it.

Publisher's News Notes

A Liceless Chicken House.
Chicken lice are one of the commonest causes of hens not laying and thin, scrawny chickens. If the chicken house is kept clean, larger profits and better results will be had. It is a good plan to clean out the chicken house and spray the perches, floors and walls with a solution of **Lewis' Lye** at least once a week. A tablespoonful to a pail of water will kill all the bacteria, germs and drive out chicken lice. This is a simple home expedient that thousands of farmers have been using with good results for over 50 years.

Helps to Hold the Boys.

"Keeping these books will help in making the boy and girl interested in the farm, and showing them it is a real business." This is a sentence at the beginning of the instruction book which the **Irving-Pitt Company**, 411-419 East 8th St., Kansas City, Mo., gives with its loose-leaf farm records. We have a good letter from a **Farmers Mail and Breeze** reader, **McCauley**, right along this same line. He finds the idea works. Business system does get the boy's heart and head into partnership with his hands in the farm work. This is what he says: "A few years ago I saw that I could not farm intelligently without keeping a more detailed record of money and work expended on the many undertakings in general farming, and also of the receipts from each field or crop. A set of account and record books was bought and at once a system of bookkeeping any farmer can do was started. The full value could not be realized during the first year, but it was a pleasure to sit at the desk on evenings and rainy days and have everything at hand. An office on the farm will prove to be the best investment a farmer can make. The convenience it affords will cause him to arrange his accounts, work, expense and receipts on each crop or field and to make quick, easy and accurate work. My office has put my farm on a business and paying basis. Another very important purpose the office will serve, that of keeping the boys at home on the farm. My boys find about such office work at home as they see in town. They gain practical knowledge as well as pleasure in writing letters, posting the books and figuring the profit or loss. It is the lack of interest that causes the boy to become dissatisfied. They soon see the relation the office work has to the farm work and will soon show you some pointers, and will want to become your partners on the farm. Try it and be convinced."

Farmers Mail and Breeze Pays Advertisers.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—Please change my ad to enclosed copy. Demand good, never had business better in Hampshire line. Thanks to your paper. Yours very truly,
ROY HAGGART,
Breeder of Hampshire Hogs.
Mankato, Kan., October 18, 1914.

Farmers Mail and Breeze, Topeka, Kan. Gentlemen—I have sold all of my spring gilts. Will sell four or five yearling sows. You will please change my card that way. Yours very truly,
A. T. CAMPBELL,
Breeder of Duroc-Jerseys.
Marion, Kan., November 11, 1914.

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

POLAND CHINAS.

Big Bone Polands and Herefords

At **Forrest Dale Stock Farm**. Bulls and boars for sale. Since you have the money and we have the stock, why not trade?
C. J. LUNDGREN, MAGNOLIA, ILLINOIS

Success Stock Powder

Corrects indigestion, removes worms, is an appetizer and is absolutely the best conditioner on the market. It is an honest stock conditioner and sold at a fair profit. For reference, testimonials and prices, **DOUGLAS & SON, MANHATTAN, KAN.** FARM AGENTS address.

We Are Booking Orders

Now for a few real classy Big Type Poland Chinas at the **EVERGREEN STOCK FARM**. Write and get our prices.
E. E. CARVER & SON, GUILFORD, MO.

FULKERSON'S BIG TYPE POLANDS

50 serviceable males weighing from 165 to 300 pounds and 175 pigs, either sex, for sale. They are by Ben's Son and Oronoke and out of sows by A Wonder, Bell's Price, etc. 30 registered Shropshire rams.
F. D. FULKERSON, BRIMSON, MISSOURI

ENOS' Big Type POLANDS

30 head of fall and spring boars, 40 head of sows and spring gilts by Orphan Chief and Major Hadley. Out of Knox-All-Hadley and A Wonder's Equal dams. All strictly big type. Private sale only. Write for prices. **A. R. ENOS, RAMONA, KANSAS.**

King of Kansas

20 March boars, tops of my entire spring crop. All by **King of Kansas**. Private sale. Prices that will sell them. Address, **J. L. GRIFFITHS, Riley, Kan.**

Jumbo Herd Poland Chinas

Up-to-date big type breeding. Top spring boars for sale. Gilts reserved for Feb. 9 bred sow sale. Write
JAS. W. ANDERSON, Leonardville, Kan.

J. H. Harter's Poland China Fall and Spring Boars

Fall boars by Gephart, Mogals Monarch and Long King. March and April boars. Write for prices.
J. H. HARTER, WESTMORELAND, KAN.

Liberty Hill Poland Chinas

Herd headed by **IMPROVEMENT** and **GRAND LEADER** 2nd; big, easy feeders. Herd sows are large, broody, prolific. Choice spring pigs. Also **SCOTCH COLLIES**. I guarantee satisfaction.
BEN FRANK, JEFFERSON CITY, MO.

KLEIN'S BIG POLANDS

Boars and Gilts, spring farrow at attractive prices. Can furnish them not related. I guarantee satisfaction. **L. E. KLEIN, Zeandale, Kan.**

Alfred Carlson's Spotted Polands

Immune Original Big Bone Spotted Poland China boars for sale. Also fall pigs. Gilts reserved for bred sow sale Feb. 24.
ALFRED CARLSON, Cleburne, Kan.

ROBINSON'S Mammoth POLAND CHINAS

We offer 100 February, March and April pigs of both sexes, at reasonable prices and on liberal terms. Pairs and trios not akin. They have heavy bone, great length, depth and thickness and show ring quality. You don't send us a cent until you have received pig, and if not satisfied return pig at our expense and you are not out a cent.
F. P. ROBINSON & CO., MARYVILLE, MO.

Blough's Large Type Polands

Big Growthy Spring and Yearling Boars, good enough to head a breeder's herd and at prices any farmer can afford. Big, stretchy spring gilts, also a few tried sows and fall yearling gilts will be sold bred for early spring farrow. Come and see these hogs. If you are disappointed in their size or quality when you see them I will pay your car fare home. Yours for business and at prices we both can afford. Write your wants today.
JOHN BLOUGH, BUSHONG, KANSAS.

POLAND CHINAS.

Courtland Herd Big Type Polands

For sale: boars and gilts by Long John. Gilts bred to Orange Wonder 2nd or Tecumseh Sam. **W. A. MCINTOSH, COURTLAND, KAN.**

70 MARCH AND APRIL BOARS AND GILTS

No public sales. Everything at private sale. Write for descriptions and prices. Satisfaction guaranteed. **JOE SCHNEIDER, NORTONVILLE, KAN.**

Poland Chinas that Please

Fall and spring boars, fit to head herds, also sows of all ages. Prices right. Write us your wants.
P. L. WARE & SON, PAOLA, KANSAS.

MT. TABOR HERD POLANDS

I am offering the tops of my 150 spring pigs by four different boars at attractive prices. Write for prices on one or as many as you want.
J. D. WILFONG, ZEANDALE, KANSAS.

Axlines' Big Type POLAND CHINAS

Herd Headed by Jumbo Hadley 69998 one of the big boned, smooth, easy feeding kind. Both boars and gilts for sale. Prices reasonable. Write to **J. E. AXLINE, WELLSVILLE, KANSAS, or E. E. AXLINE, INDEPENDENCE, MISSOURI**

ERHART'S BIG TYPE POLANDS

The Biggest of the Big Type. Herd headed by Robidoux 50227, seven feet and eight inches from top of head to root of tail, weight 1200 pounds and stands on a twelve inch bone. A fine lot of massive spring boars, priced for quick sale. Also choice females.
A. J. ERHART & SONS, NESS CITY, KANSAS

PRIVATE SALE

95 Feb., March and April pigs at private sale. Satisfaction guaranteed. No public sales. Big type with quality. Write for descriptions and prices.
JOHN COLEMAN, Denison, Kan.

30 Extra Choice March Boars (PRIVATE SALE)

I bought top sows in three states last winter and these boars are from popular sires and dams. They are extra choice individuals. Prices reasonable.
E. E. MERTEN, CLAY CENTER, KAN.

Thos. F. Walker & Son, Alexandria, Neb.

Offer big type Poland China spring boars weighing from 200 to 350 lbs., (immune), with extra quality, at reasonable prices. Sired by Blue Valley, Blue Valley Orange and Columbus Wonder. Health certificate with each boar. Address as above.

Both Large and Medium Type Polands—300 Head

Great big, stretchy, spring pigs from mammoth sows, the kind that have show type and yet with abundance of size. We want to sell only the kind that will please you and at prices that will make you buy more. Write today. **Olivier & Sons, Danville, Kan.**



DOOLEY'S SPOTTED POLANDS

Etterville Breeding Farm, home of the old original spotted Poland Chinas. I am selling spring pigs, either sex, sired by five of the biggest and best spotted boars of the breed. Pairs and trios not related. Get your order in early as they are going fast. Over 100 head to select from.
EDGAR DOOLEY, EUGENE, MISSOURI

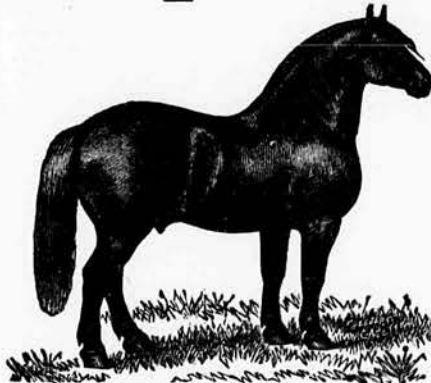
LOOKABAUGH POLAND CHINAS 600 Head. Best of Large Type Breeding.

A Wonder, Hadley, Long King, Designor and other noted blood lines. A few good sows and gilts will be your best help in paying the rent or "lifting the mortgage."

LIVE UP TO YOUR OPPORTUNITY
Not only Europe but our own country will soon be short on meat, shorter than ever before. Buy before the rise. Get a few good sows and gilts and a male to mate. Be ready for the high prices that are sure to come. Over a hundred choice spring boars from which to select. I guarantee satisfaction or money refunded. Write today.
H. C. LOOKABAUGH, Watonga, Oklahoma



Cooper's Dispersion Sale



**Nickerson, Kan.
Wednesday,
December 16th**

**30 Horses, Jacks and
Mules, 50 Cattle, Grade
Jerseys and Shorthorns**

REGISTERED PERCHERONS, one 4-year-old imported stallion weighing over 2100 lbs., extra bone, size and quality, grandson of Besique, one 7-year-old stallion in ton class has numerous state fair prizes to his credit, a great breeder. One aged and one yearling stallion also sell. One 1700 pound brood mare showing safe in foal to the imported stallion together with her weanling filly, 1st prize at Hutchinson this year.

BELGIAN STALLION, one imported seven-year-old weighing right at a ton, was 1st prize winner at Hutchinson, 1914, great bone and conformation.

JACKS, four serviceable Jacks six to seven years old all ready for hard service, extra good breeders and guaranteed as to performance.

JERSEY MILK COWS, 18 grade Jersey cows two to six years old, all fresh or due to calve soon. A great opportunity for the farmer or dairyman.

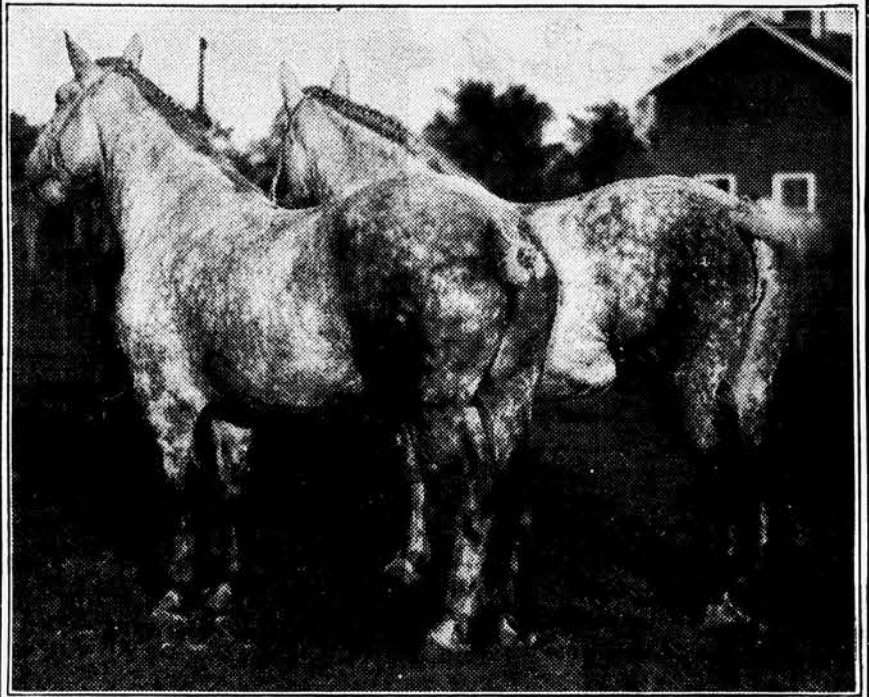
SHORTHORNS, 32 head consisting of milk cows, yearling and two-year-old heifers. Trains will be met at Hutchinson, Partridge, and Nickerson. Come to Nickerson if possible. For further particulars address.

C. F. Cooper, Sterling, Kan.

Aucts.—Harriman, Snyder, Langford, Potter. Fieldman—A. B. Hunter.

PERCHERON SALE

White Hall, Ill., Tuesday, December 8th



A PAIR OF IMPORTED MARES THAT WILL BE INCLUDED IN THIS SALE. THEY ARE TYPICAL OF THE OFFERING.

On the above date W. S. CORSA will sell from the noted GREGORY STOCK FARM stud of Percherons, a draft of 50 head of stallions and mares that for Percheron character, conformation and quality will equal anything that can be bought in Europe or bred in America. The get of the great stallion, Carnot, is a feature of this offering and many of the choice mares are bred to him. The catalog tells the whole story. Mr. Corsa will gladly send you one if you write him today and mention the Farmers Mail and Breeze. Address

W. S. CORSA, White Hall, Ill.

O. H. Stugard's Shorthorn Sale!

Chanute, Kan., Thursday, Dec. 10th



Actual photo of a group of Stugard's Shorthorns.

I will sell my entire herd of Shorthorns at auction at my farm, December 10th

40 — HEAD — 40

My splendid herd bull, Chanute Pride 380896, by Royal Glos-ter 232568, by Aberdeen 217301, dam, Princess Sycamore 46439 tracing to Imp. Stephanotes. He is 3 years old, dark red in color, kind and gentle and of good conformation. Seven young bulls, the balance cows, heifers and calves. The cows are good milkers, the kind that will make good on the farm. The catalogs are now ready; send for one.

O. H. STUGARD, Chanute, Kan.

Fieldman: C. H. Hay. Auctioneers: Col. J. B. Derson and Mason.

Twentieth Sale of Imported and America Bred Registered Percheron Stallions Mares and Colts

**at the Whitewater Falls Stock Farm
J. C. ROBISON, Prop., Towanda, Kan.**

Thursday, December 17, 1914

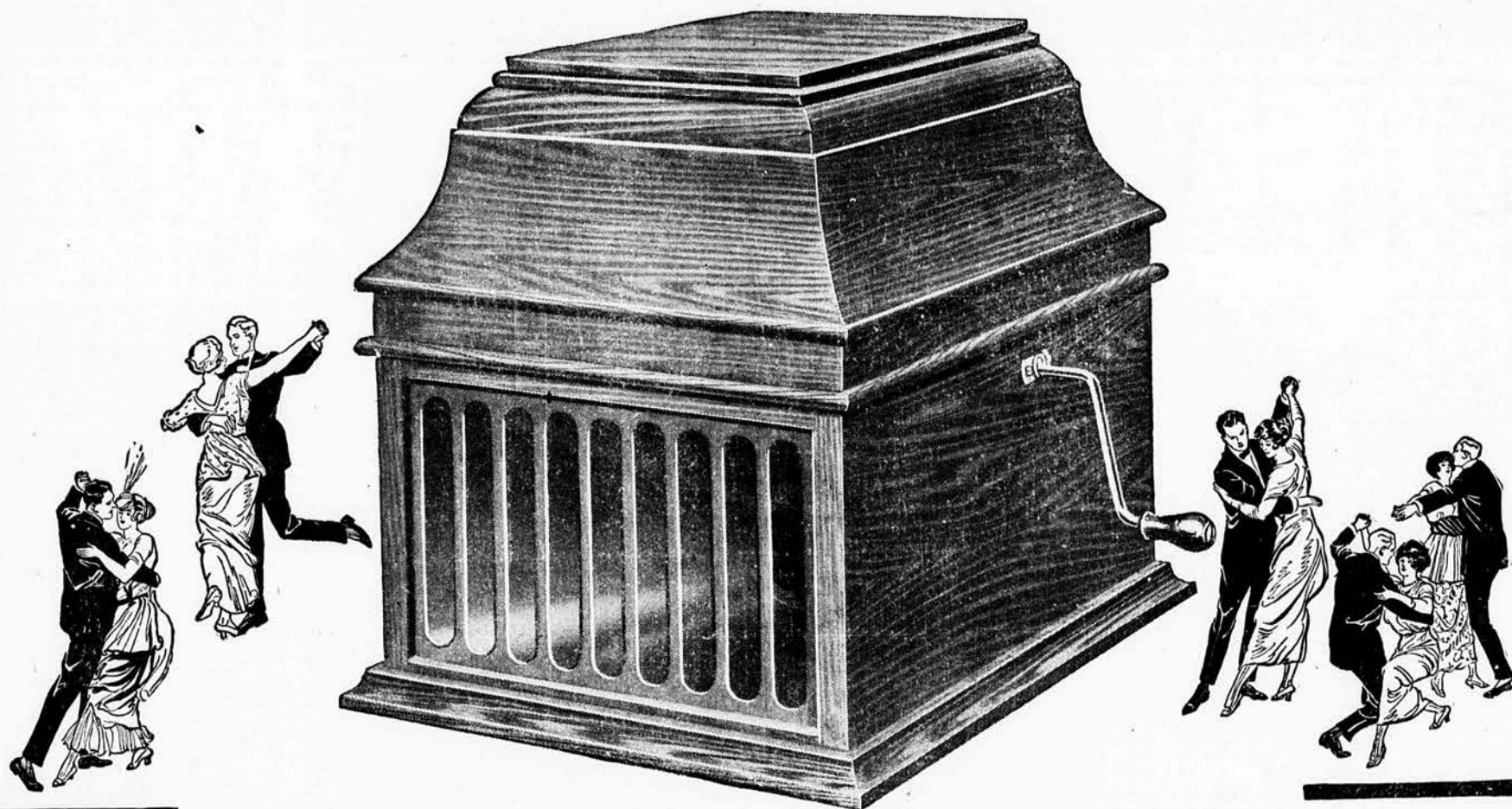
**Twenty-Five Stallions and
Twenty-Five Mares**

Including the 1914 Show herd. Stallions and Mares sired by Casino and Mares bred to CASINO. Brood mares with colts by sides. This herd won more PRIZES at the Hutchinson, Kansas State Fair, The Oklahoma State Fair and the Ft. Worth Live Stock Show at Ft. Worth, Texas, than all other herds exhibiting combined. This is without doubt the grandest offering of young STALLIONS and BRED MARES that has ever been offered from this farm. Come where you can secure the BEST that grows, either IMPORTED or AMERICAN BRED.

Sale to be held in SALE PAVILION on the farm, four miles northwest of Towanda, Kansas. Towanda is on the Mo. Pac. 20 miles east of Wichita. For catalog address,

J. C. ROBISON, Towanda, Kan.

Auctioneers—R. L. Harriman, J. D. Snyder, Boyd New-com, W. M. Arnold, W. P. Ellet.



Have a Dance "On Us"

WRITE—take up your pencil now.
Send your name—see coupon below—
about that "Have-a-dance-on-Us!"

We'll send you a letter telling you all about
our offer: our offer to send you a genuine Edison Phono-
graph—one of the fine new hornless kind—for you to keep
and dance with for two days and two nights—just on a
loan. *Don't pay us a cent for this loan.*

Frolic around. Bring in your friends. If you know the
new steps you'll say you never danced to finer music. If you don't
know the steps you can **learn the new dances** in one night.

You'll be surprised, actually amazed at the rollicking music.
It makes you step—and step right. You can't seem to help it.

Will you put your name on this "Have-a-dance-on-us" coupon
today? Let us tell you all—send you books of dance records and other music
—pictures of the machine and our whole offer. We actually can give a whole
new outfit as low as **\$2.00 a month**. Investigate. Send the coupon **NOW**.

Dance Around to These New Records

Over the Waves Waltz
When the Midnight Choo-Choo Leaves for
Alabama Medley Two-Step
My Little Persian Rose Medley Two-Step
Good-Bye Boys Medley Two-Step
Hula, Hula Medley Two-Step

Jolly Fellows Waltz
Too Much Mustard One-Step
O You Silvery Bells Medley Two-Step
Trail of the Lonesome Pine Medley Two-Step
Officer of the Day Two-Step — and the
Hurricane Two-Step

We won't charge you a cent. Anything you want to dance—or want to
try. Music played by wonderful orchestras—regular Palais de Danse music—
the "swinging" kind that lifts you up and **makes** you dance.

THERE'S no better way to dance
than in your own home. A slippery, specially
prepared floor is not necessary for the new one steps—
maxixe — hesitation waltzes — argentine steps, etc.
You can even dance on a carpet.

For Old Folks and Young Folks

The dance can be slow or fast—to suit you. Play each
dance piece over as often as you wish. Get it right.

Our Object: Now, of course,
we have *some* ob-
ject in sending out the
Genuine Edison on this free loan offer. First, we want you to
hear it—to hear the new music from the master invention. If you like the
music, if you like the dances, we hope that maybe you will want to keep the
machine. If you do, let me know and the phonograph and all the records we
send stay with you. You haven't paid us a cent up to this time. The trial—
the dance—the music—all has been free. Then, if you make up your mind
to keep the Edison, you send only a very, very small payment—less than
you would spend at *one* town dance. If you don't want to keep the machine,
send it back at our expense.

It is not only the dances that you can hear on the
New Edison. You can have the finest of

Grand Opera Crashing Orchestra All Kinds of Popular Songs
Old Fashioned Hymns and Brass Band Pieces Minstrel Shows
Wonderful Organ Music Dainty and Delicate Sentimental Songs

This new machine is simply wonderful and the dance records are only one
of the fine new features.

**FREE "Have a
Dance on Us" Coupon
Mail It Today**

F. K. Babson, Edison Phonograph Distributors
4583 Edison Block, Chicago, Ill.

Please mail me free and prepaid, your
"Have-a-dance-on-Us" offer together with
the \$3.50 a month or less offer on the New
Edison.

My Name.....

My Address.....

New Style Edisons at various prices—lowest prices—right from us. Newest style instruments as low as
\$2.00 a month for only a few months—all paid for in less than a year. Payable *only* if you
wish to keep the instrument after free loan. Don't miss this wonderfully liberal offer. Write today.

Send for Our New Edison Catalog!

Investigate! We'll send the list of records for you to mark the ones
you want—you'll be looking at the different machines which we picture for you—
and then you'll get your phonograph and your records for the big "Have-a-dance-on-us" night.
Remember, you don't have to buy anything. Investigate anyway. Send your name on the coupon for details.

Edison Phonograph Distributors, F. K. BABSON, Vice-Pres. Chicago
4583 Edison Block