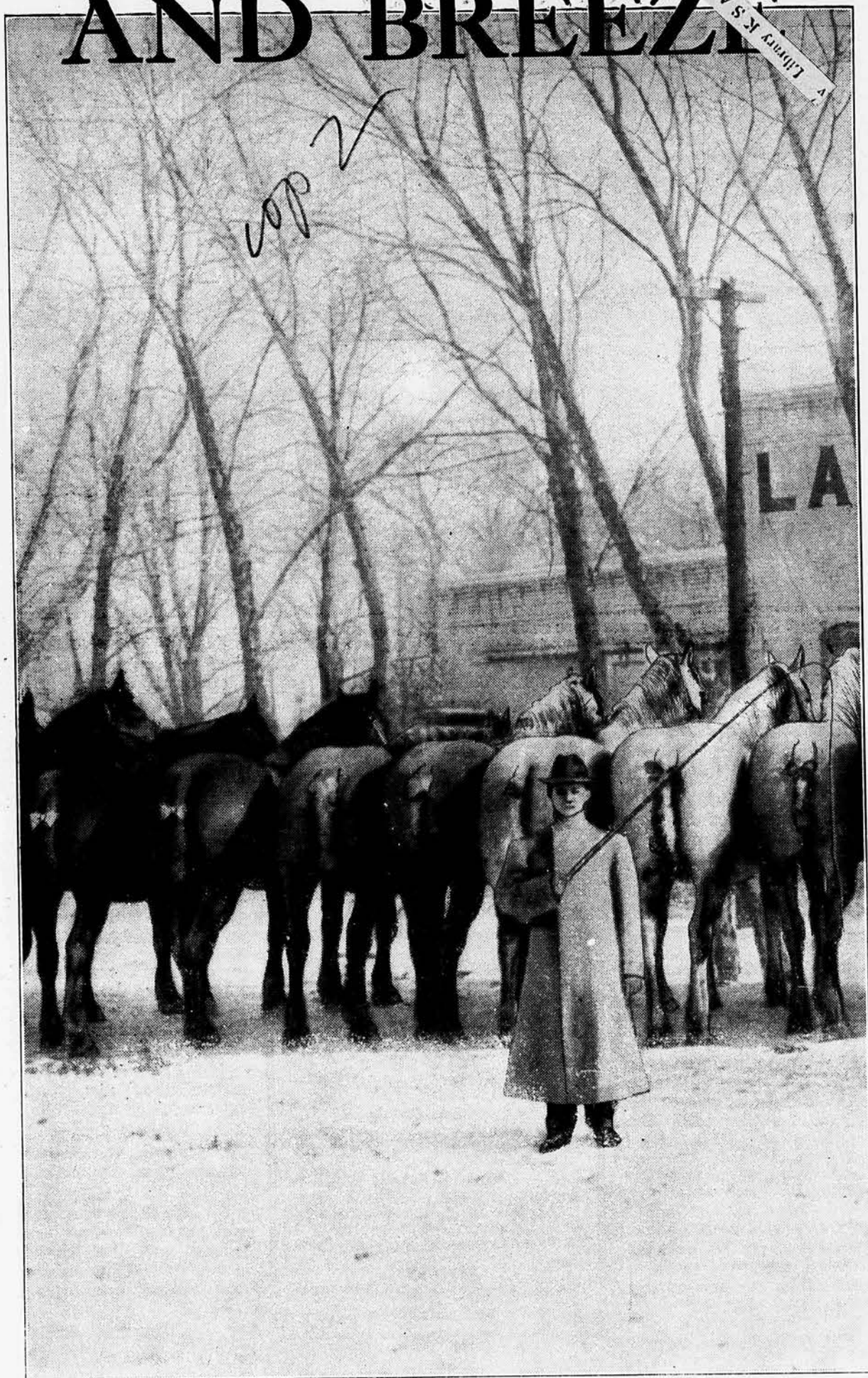


January 23, 1915

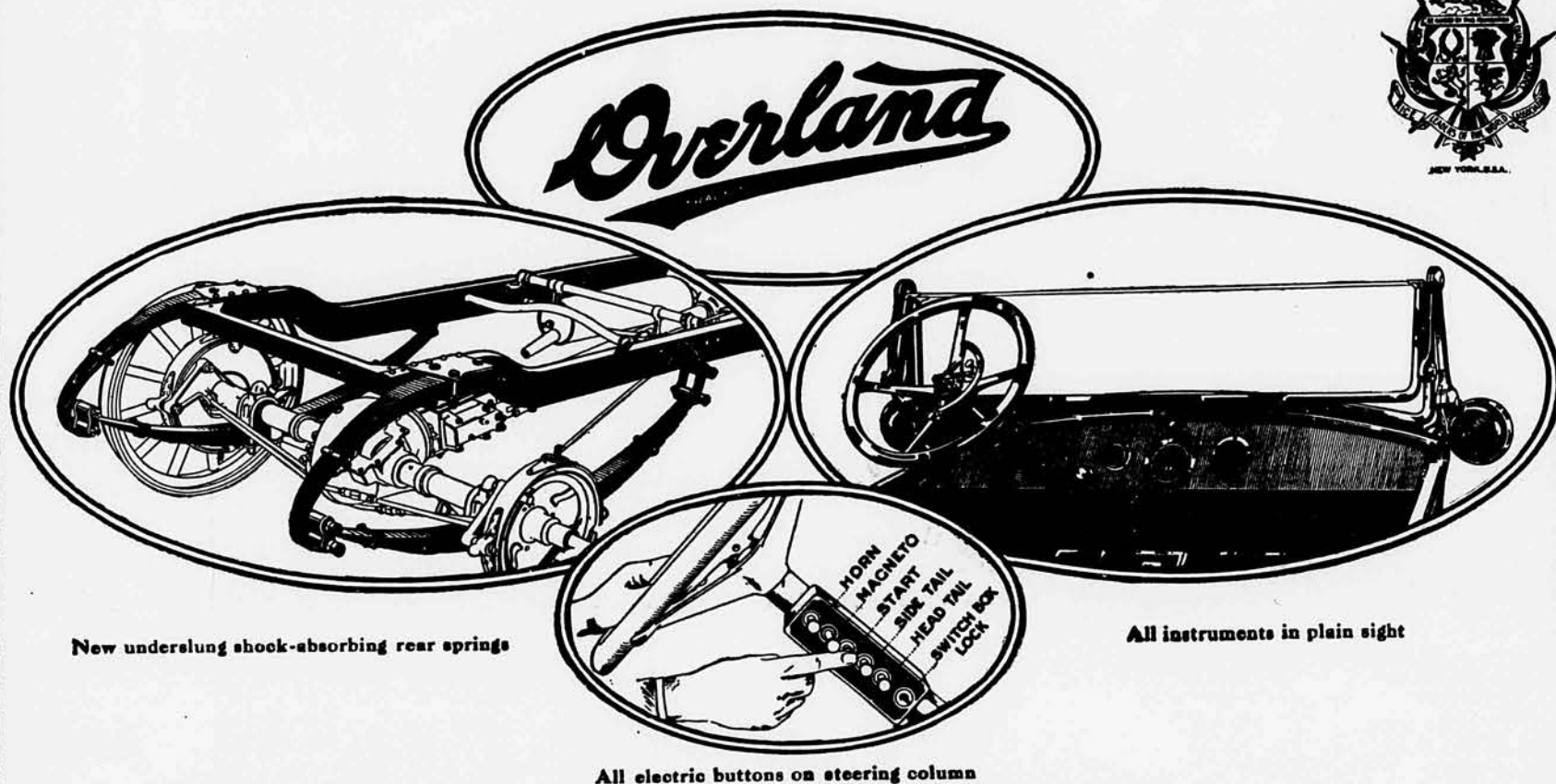
Price Five Cents

The FARMERS MAIL AND BREEZE



The Right Kind for Kansas





The New Year's Greatest Car Has all the Latest Improvements

A great many people have the mistaken idea that in order to get the very best and latest automobile it is necessary to spend a whole lot of money.

Nothing could be further from the truth.

The 1915 Overland has all of the very latest improvements, comforts and conveniences.

Yet it costs but \$1075!

The illustrations above are typical of the up-to-date features of the entire car.

In one is shown the simplicity, compactness and completeness of all Overland controls and instruments.

The complete set, of electrical control buttons, is located on the steering column.

With just a slight pressure of your finger you start the car, operate the electric head, side, tail and dash lights or sound the electrical signal.

Here also is the high tension magneto button and a patented device for locking all switches, in or out, so that no one can tamper with the controls.

Could any other method be better or more satisfactory?

Now take the cowl dash. Here are four instruments—a high grade electrically lighted magnetic speedometer, an ammeter, a carburetor priming button and the oil sight feed.

Some higher priced cars have neither speedometer nor ammeter!

The Overland type of rear springs is still another important and high priced feature.

See how the springs are placed *under* the axle; that they are *long*, have a very wide opening, and are of *generous dimensions*. Notice that the frame is *dropped* which makes possible a much lower hung and more graceful body. The road clearance is not affected.

The wide opening of the springs permits great up-and-down play—the maximum of flexibility.

These springs are unusually long; in fact are longer, in proportion to the wheel base, than the springs used on almost all of the highest priced cars.

The Overland swivel seat gives absolutely free movement of the springs, prevents binding and reduces possibility of breakage.

There is not a car on the market, regardless of price, that rides smoother or easier.

And these are but several examples of Overland superiority!

So don't you, Mr. Buyer, feel obliged to buy an excessively high priced car. An Overland gives you every practical improvement at an exceedingly moderate price.

Place your order today.

\$1075

Model 80
5 Passenger Touring Car

Other Model 80 Prices:

2 Passenger Roadster . . . \$1050
4 Passenger Coupe . . . \$1600

Model 81 Prices:

5 Passenger Touring car . . . \$850
2 Passenger Roadster . . . \$795
Delivery Wagon with closed body \$895
Delivery Wagon with open body \$850

Model 82:

Overland Six . . . \$1475

All prices f. o. b. Toledo, Ohio

Catalogue on request. Please address Dept. 84

The Willys-Overland Company, Toledo, Ohio



THE FARMERS MAIL AND BREEZE

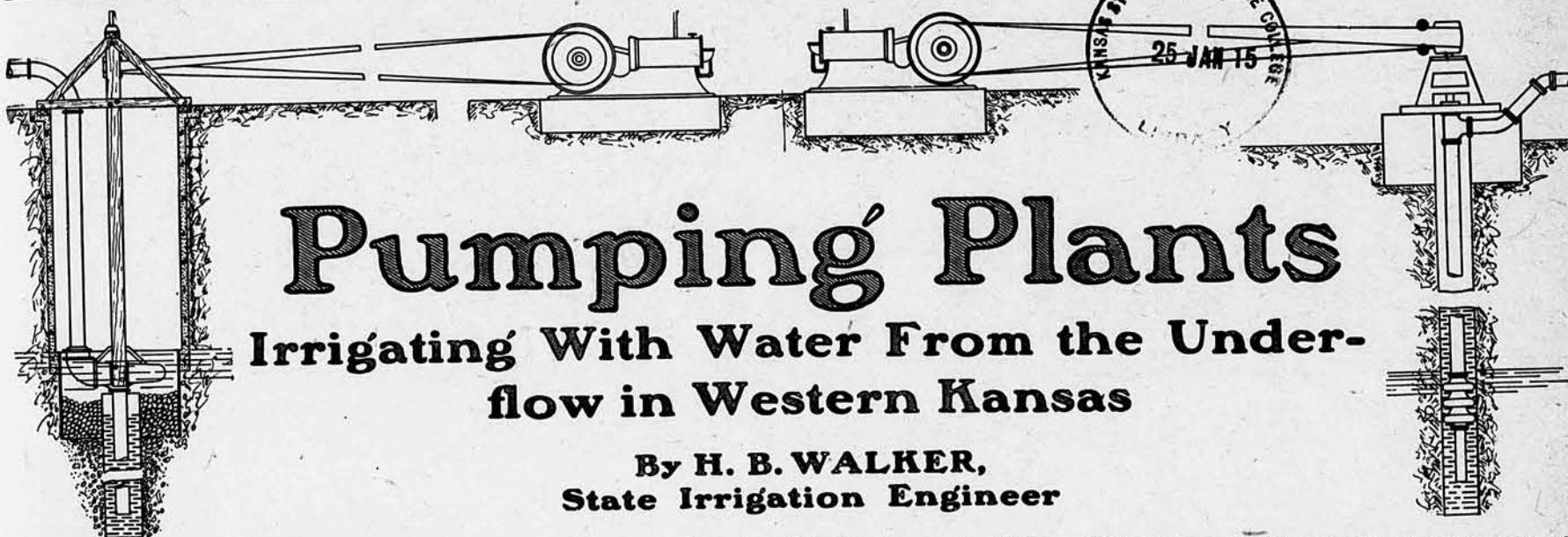
An Agricultural and Family Journal for the People of the Great West



Volume 45
Number 4

TOPEKA, KANSAS, JANUARY 23, 1915

Subscription
\$1.00 a Year



Pumping Plants Irrigating With Water From the Under- flow in Western Kansas

By H. B. WALKER,
State Irrigation Engineer

THE natural water courses of Kansas do not afford a trustworthy water supply for gravity systems of irrigation, but throughout the western third of the state, and in some of the river valleys of other sections ground water is found in abundance. The total area where water can be encountered at depths of 60 feet or less is more than 2½ million acres. The developing of the shallow water land alone will give the state an irrigable area which will compare very favorably with that of other irrigation states. For instance Utah, Wyoming, Washington, Oregon and Montana, all of which generally are considered irrigation states, each has less than 2 million acres of land under irrigation.

Since water must be secured from underground supplies the problems of irrigation farming in Kansas are peculiar to this state and must be solved along different lines than those of the gravity system irrigation of the more western states. While generally it is conceded that we do have an abundant supply of ground water it is not possible to put wells down at random and be assured of an abundant water supply. There are many conditions which are necessary for high yielding wells, and irrigation of necessity requires wells of high capacity.

To get a good well there must be a thick stratum of water bearing material. Moreover this stratum must be composed of coarse sand and gravel which is comparatively free from clay and quicksand in order to permit the water to circulate freely. To determine whether such conditions prevail upon the land to be irrigated it is economical and desirable first to put down a test well. By putting down this preliminary well the depth to water can be determined definitely, and the relative thickness and coarseness of the water bearing material may be determined with reasonable accuracy.

If the first test well fails to show favorable conditions the farmer should not be discouraged but should continue to put down test wells at other locations, and as a usual thing it is possible to find some point upon the land where conditions are favorable. After a suitable location has been found for a well it is then necessary to adopt some type of well which will be suited to the local conditions.

Shallow wells are located in districts where it is 20 feet or less to water. These wells usually are constructed in batteries. The diameters of the wells vary usually from 15 to 18 inches, and they are located about 40 feet apart and at right angles to the direction of the underground flow in the valley. For instance if it is possible to construct a single well with a capacity of 250 gallons a minute, and a total water supply of 1,000 gallons a minute is desired it will be necessary to construct a battery of four wells. These wells should be placed in a straight line so that all can be pumped from a central pumping plant.

The medium depth of well is suitable for localities where the depth to water is in excess of 20 feet but less than 50 feet. It is the usual custom first to excavate a well pit, or open well, down to the water bearing material and in the bottom of this open well a perforated casing 18 to 24 inches in diameter is settled down through the water bearing material. This is in reality a modification of the shallow well, but is used only in localities where it is impracticable to construct a battery of wells.

The third class of well is the deep well. Wells of this class are constructed in localities where the depth to water is in excess of 50 feet. The construction consists of sinking a small circular opening ranging from 15 to 24 inches in diameter down through the underlying water bearing materials, usually by a hydraulic process and often penetrating two or more strata of water bearing material.

No matter what class of well is necessary the construction often is very difficult and uncertain. The wells must not only be properly located but the success of the well will depend quite largely upon its proper construction and the correct installation of casings and strainers to permit the water to enter, and at the same time exclude the sand and gravel which compose the water bearing materials.

The casings and strainers should be made of heavy material. The kind of strainer now most generally used is the "shutter" type. These strainers are made of No. 6 and No. 8 boiler iron and when made properly will withstand heavy pressures from the outside. Strainers are made also of clay and cement but so far these have not come into general use. For ordinary wells used for water supply for livestock galvanized iron has been extensively used, but unless such material is made of extra heavy gauge and properly reinforced, it is not suitable for irrigation wells.

The next important problem in developing an irrigating plant is to adopt a type of pump which will be suitable for the well. Some of the more important requirements for a successful irrigation pump are large capacity, simple construction, reasonable first cost, easy installation, efficient operation, and ability to handle water containing at times a comparatively large amount of solid matter. These various requirements are very rigid and it is a very difficult matter to find a pump that is able to meet successfully all of these conditions. The type of pump most generally used, which has proved to be most successful for all conditions of pumping for irrigation is the centrifugal pump. This type of pump meets more of the requirements mentioned than any other type yet placed on the market.

There are a number of different types of centrifugal pumps, and these are suitable for the different classes of wells described. In the shallow water dis-

trict where a battery of wells is constructed, the horizontal centrifugal pump should be used. This pump is adapted to low pumping heads and is suited especially to conditions where it is 20 feet or less to water. It can be installed in a central pumping pit and can be arranged easily so that it will pump from a number of wells. The horizontal centrifugal pump must not be submerged in the water but the impeller of the pump should be placed as close to the water level as possible.

For the wells of a medium depth a vertical type of centrifugal pump is best. This pump is similar in construction to the horizontal centrifugal pump except that it operates on a vertical shaft instead of a horizontal one; also the bowl of the pump containing the impeller may be submerged in the water and usually it is desirable to do so since this overcomes the necessity of priming, and also makes it possible to draw the water from greater depths in the well.

Where it is 50 feet or more to water the turbine type of centrifugal pump is operated successfully. This type of pump can be placed in wells of small diameter and accordingly it is suited especially to deep well pumping conditions. These pumps are made in sizes to permit installing in wells of 12, 15, 18, and 24 inches in diameter. The turbine type of centrifugal pump is much more expensive in first cost than the simpler types and accordingly should not be installed where the simpler types of pumps can be operated.

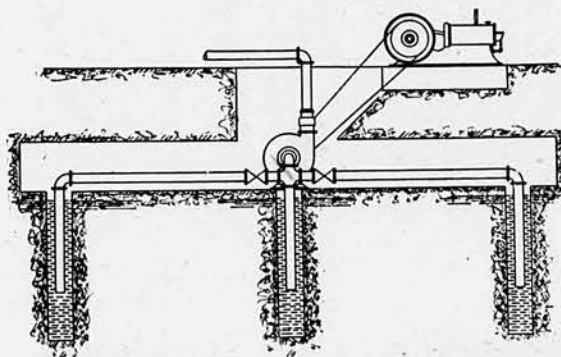
Plunger pumps having cylinders are used to some extent for irrigation pumping, but these pumps are very expensive in first cost and must have clean water, free from sand and grit to be successful in operation. It would indeed be a difficult matter to develop a pumping plant with a plunger pump. On account of the high efficiency of such pumps there is possibly some use for this type in irrigation pumping, but the centrifugal pump must be the pioneer in developing irrigation wells.

Water elevators may be used under certain conditions but as a general thing the conditions in Kansas are not suitable for this type of pump.

Proper power is an important factor in a successful irrigation pumping plant. It is very essential that the power plant be reliable in service and economical in operation. It is rather difficult to combine these two features but the recent improvements in internal combustion engines have, in a measure, solved the power problem.

Where individual pumping plants are installed some type of stationary engine is preferred. The engine should be of standard manufacture as it enables the farmer to get some field service from the experts of the engine company and also enables him in cases of necessity to obtain repairs at a minimum loss of time. The plant must have ample horsepower. It is possible to operate a centrifugal pump at a higher number of revolutions a minute and thereby increase its capacity, but it is very difficult, on the other hand, to operate successfully an internal combustion engine with an overload. It is cheaper for the farmer to operate his engine at a 90 per cent load than to attempt to operate it at a 10 per cent overload. In order to have economical operation it is best to install engines capable of burning a comparatively cheap grade of fuel. The modern irrigation

(Continued on Page 45.)



A Horizontal, Single Stage Centrifugal Pump, Connected to a Battery of Three Wells. In the Upper Right Hand Corner of the Page is a Turbine Centrifugal Pump in a Deep Well. The Sketch to the Left Shows a Vertical Centrifugal Pump in a Well of Medium Depth

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

Entered as second-class matter Feb. 16, 1906, at the postoffice at Topeka, Kansas, under act of Congress of March 3, 1879.

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

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.

E. W. RANKIN, Advertising Manager.

SUBSCRIPTION RATES,

One Year, One Dollar

ADVERTISING RATES.

50 cents an agate line.

110,000 circulation guaranteed.

DEPARTMENT EDITORS
 Women's Pages.....Mabel Graves
 Dairying.....A. G. Kittell
 Poultry.....G. D. McCluskey
 Mgr. Livestock Advertising.....Frank Howard

No liquor nor medical advertising accepted. By medical advertising is understood the offer of medicine for internal human use.

ADVERTISEMENTS GUARANTEED
 WE GUARANTEE that every advertiser in this issue is reliable. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us promptly, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in the Farmers Mail and Breeze."

Passing Comment—By T. A. McNeal

Are the Farms Short of Men?

Noting an item in the Farmers Mail and Breeze concerning the shortage of farm help, Mr. Turner, manager of the Northwestern Farmers' Union Co-operative association, of Concordia, writes me, taking issue with the article in question. He says: "I do not see why the idea so persists that the farmers are always short of men and that the millions who are idle in our industrial centers have only to take an evening's walk into the country to find jobs at high wages hanging from every bush.

"The truth is that we have a surplus of men on our farms under present conditions. The large number of young men who leave the farm do so mostly because they are compelled to leave. They have not the necessary capital to go into the farming business for themselves and there are not enough jobs even at the small wages of \$20 to \$25 a month which the farmers are able to pay, to supply the demand.

"In the pile of letters lying on my desk asking for work are a number from young men in just this situation. 'Nothing doing in the country and nothing doing in town—what is a fellow to do?' muttered a young man as he left me today after being told that there was no job loose. And it is the truth too, that there is nothing doing in the country for hands except during a short period in harvest and threshing time. These men in the large cities couldn't get out to the country if they should try, and it would do them no good if they did.

"I am deeply interested in solving this problem of the unemployed, but going to the country is no solution for it."

While I think Mr. Turner overestimates the difficulty in getting employment in the country, he probably is right to a certain extent. Personally I do not believe that the problem of how to get employment at fair wages for all who want work will ever be solved by private employment.

We have already realized that this is a public problem by discussing plans to establish employment agencies under the direction of the states and the general government. We know that the welfare of every citizen is a matter of public concern but we still scare at the idea of the governments, national, state and local, providing the means by which every able-bodied man and woman, and also those who are not able-bodied but who are able to do a considerable amount of work, may have employment.

The establishing of public employment agencies may do some good but that will not solve the problem, as has been demonstrated to a degree. In fact, the establishment of state employment agencies is quite likely to do little more than supply places at comfortable salaries for a number of politicians in payment for political favors rendered or supposed to have been rendered to the administration in power.

Public Works to Help

What we need is a co-ordination of public employment on the part of the general government, the various state governments and the local governments. The general government should put into operation a complete system of public works that properly come under the domain of the national government. This would include the developing of our rivers; the straightening and deepening of such as need straightening and deepening; developing the water powers on all rivers where water powers can be developed economically; the developing of a vast system of reservoirs to control and store the flood waters of the country, especially in the semi-arid regions; the reclaiming of desert lands by the building of dams and reservoirs for irrigating and power-producing purposes, and the reclaiming of swamp lands so as to make them fit for agricultural purposes.

The states should have control of such public improvements as lie within the jurisdiction of the states; for example, the improving of streams not counted as navigable; the building of roads. The various cities and towns should have control of such public works as come within their jurisdiction, such as the grading and paving of streets, and other necessary public improvements and in addition the cities should have the power and authority to wipe out the slums with their poverty and degradation, and breeding places for disease and crime.

The cities should be permitted to go into the business of erecting municipal dwelling houses to be sold to working men on long time, small payments with no greater rate of interest than the

city is compelled to pay for the use of the capital necessary to carry on these public improvements.

With this system in operation in the nation, states and inferior municipalities, there would be a constant demand for labor. When the demand for labor from private enterprises slackened, the demand for labor on the public works would take up the surplus immediately. When the demand from private enterprises became great enough to offer wages above the wages paid on the public works, the labor would seek the better-paying employments immediately, and for the time being there would be a lull in the public work which would last until the private demand again slackened.

A Question of 'Phone Privilege

Editor The Farmers Mail and Breeze—A rents a farm from B for cash. B has a 'phone privilege; shares are vested in the farms; the 'phones are personal property. A lives on his own farm near the same line. B gives a permit to move his 'phone to A's home. Does B's permit convey the right to attach the 'phone to the line without the company's knowledge or consent? Does A have the same privileges he would have if he lived on B's farm?
 MILTONVALE, KAN.

I cannot answer that question without more definite information concerning the rules and bylaws of the telephone corporation.

I should infer from Subscriber's statement that the bylaws permit the transfer of 'phone privileges only to persons living on the land formerly occupied by the shareholder in the company who made the transfer. If that is the case then A could succeed to the privileges of B only by residing on B's land.

If however, the rules and bylaws of the corporation permit the unrestricted transfer of rights as shareholders, then A would have the right to attach his 'phone to the company line provided it did not inconvenience the other patrons of the line or cause extra trouble and expense to the company.

In the case of a mutual telephone company, such as I presume this is, the holder of stock is granted certain privileges in the way of telephone service and rights for which service he pays a certain rate a month or year. He would not have the right to demand from the company greater service than his contract called for and of course could not transfer a greater right than he himself possessed.

As I have said, what rights he may convey will depend very largely on the bylaws of the corporation. It is the general rule of corporations that stock in corporations can be transferred only on the books of the corporation but it is not necessary to get the consent of the corporation to sell or transfer the stock with whatever privileges go with it. In other words, a stockholder could sell his stock and the purchaser could compel the company to make the record of such transfer on its books. But the bylaws of all corporations are not the same. This telephone company may have some special bylaw governing just such cases as this.

How to Supply the Capital

The man who still clings to the monetary theory that money must be supplied through the medium of privately owned banks and through private persons whose business it is to collect interest, will say immediately that this plan would involve the issuing of interest-bearing bonds to such an extent that it would bankrupt the nation, the states and the municipalities.

If we were to depend on the present monetary system I will admit that the plan probably would be impracticable. I hope however, that sometime we will have sense enough to change our monetary system.

It ought to be perfectly plain that even now our business is carried on by exchange of credits. If we were forced to pay actual cash—that is gold, which our wise financiers say is the only real money—in every transaction, our whole business structure would go to smash tomorrow or maybe it would not wait as long as that. Every business man knows perfectly well that the bulk of our business is done by an exchange of credits and must be done that way.

There are two tremendous evils in our present system, the first being that we operate on the false theory that the vast volume of credits can be redeemed in gold when we know they cannot be so redeemed and the second and worse evil is that we

hand our credits over to private individuals and permit them to take vast toll in the way of interest on the credits they lend to us.

In an interview a few days ago Andrew Carnegie declared that to pay the annual interest charges on the debts of the nations of the world would require a sum equal to 3½ per cent of all the wealth of the United States. That was on the national debts before the present European war began. By the time it has been finished the national debts of the nations engaged probably will be doubled. But when we remember that the national debts of the world, great as they are, aggregate probably only a small fraction of the amount of all other interest-bearing indebtedness, we begin to realize what an awful burden interest is upon the productive industry of the world.

It is impossible to determine, or at least I have not the data from which I can determine even approximately, the total amount of interest-bearing debt of the world. In the United States our national debt probably is considerably less than 2 per cent of the total interest-bearing debt, including state, city, county, township, school, corporation, private mortgage indebtedness, notes of hand, personally secured, etc.

If then, it requires a sum equal to 3½ per cent of all the wealth of the United States to pay the annual interest charges on the national debts of the world it probably requires ten times that amount to pay the interest charges on all the debts of the world. As virtually all the nations are supposed to be on a gold basis nearly all of these obligations, principal and interest are supposed to be paid in gold. But as the total amount of gold in the world is estimated at only about 8 billion dollars and as it would require five times that amount to pay the annual interest to say nothing about paying the principal, of course such a thing would be impossible and is not attempted as a matter of fact. What is lent is credit.

What should be done is to enable the government, the state and the various municipalities to use their own credit without interest to carry on the public improvements mentioned. For convenience in affecting these exchanges of credit the government should enlarge the operations of its postal savings banks making them banks of loan as well as deposit. When this system of interchange of credits is once established with the complete system of public works in operation I believe the labor problem will be settled.

Socialistic, you say. Perhaps so. If it will solve the problem it is entirely immaterial to me by what name it is called.

Hard Times in Arkansas

The following letter has been received from Thorney, Ark.

Editor The Farmers Mail and Breeze—I want to support Mr. O. F. Myers in his contention that people are starving in Arkansas, though you "seriously doubt the story," and I seriously doubt that you will be convinced by anything I can write unless I can persuade you to come and see.

What I say would be very humiliating were we not in the position of one held up at the point of a gun by our present economic system, so with only that for an apology I will give you cases.

J. M. Brown: Family of six; at our rope's end for bread and cottonseed oil. Have nothing to eat except popcorn and parsnips and dried apples. Our people from Kansas have helped us on the clothes deal, so we are better off than our poor neighbors in that respect. Our only meat is what rabbits we can catch. We need a washtub and a box of soap.

George Lambright: Family of eight. His mother aged 83, was buried one year ago last Thanksgiving day. I have seen "grandma" eat unseasoned lye hominy, and they said it was the best they could do for weeks at a time. Mr. Lambright went to the harvest fields in Kansas last summer. I never have known him to turn down a ten or twelve hour day's work for from 50 cents to \$1 a day in three years' acquaintance.

He got good wages in Kansas, but the poor fellow needed a team so badly that he allowed his jockey employer to put off on him a team of old mules with chronic kidney trouble. One is dead and the other came near dying. He still owes some on them. He thanks God reverently for what little they have. Send them bread and clothes especially shoes, a cow, tools for stumps and rocks, grass seed, a good stove and bed clothes.

Another needy neighbor is George Scranton, who needs bread and shoes.

Bert Short has to neglect his family and farm and work in the mines to get a mere existence for them. When putting in his spring crop he was forced to go to the strawberry fields with part of his family, leaving three little boys at home. One got so hungry that he came to my house asking

for flour. I went over to see what they had. They had eaten only parched corn for 24 hours and one scrawny little fellow held up a little ear of corn and said, 'Mister Brown, when this is gone I don't know what we will do.'

Their father and mother and two more boys got home in a cold spring rain. They had camped out, exposing themselves nigh unto death, but they got back in time.

Now, Mr. McNeal, I have told the truth. You have expressed the belief that if our wants were made known they would be relieved and I would like to express my opinion that you have more worthy calls in your own town than you can care for.

J. M. BROWN.

Thorney, Ark.

I have no right to doubt the truth of what Mr. Brown says in his letter. I cannot understand however, why the state of Arkansas should permit a condition of destitution to exist in any part of the state.

What Have You to Say, Mr. Bachelors?

Editor The Farmers Mail and Breeze—I would like to talk to some of those bachelors. I'll wager I could tell them why they can't marry a housekeeper.

Bogue, Kan., bachelor, you are game.

Now will you bachelors please answer some of these questions?

Do you brush your teeth?
Do you ever wash your neck and ears?
Do you ever go to the barber and get your hair cut?

Do you ever change your shirt?
Do you change your overalls before they are so slick they would do for miniature skating rinks?
Do you clean your finger nails?

Do you ever blacken your shoes?
Do you ever get new shoe laces when the old ones wear out or do you use binder twine?
Do you shave more than twice a year?

Do you have your horses clean when you go anywhere?

Do you keep your harness, especially driving harness, clean and in repair?

Do you ever wash the mud from the buggy or ever paint it?

Do you still wear the hat you bought before the Spanish-American war?

Do you ever clean up before going to town?

Did you realize that if it is simply a housekeeper you want, you can hire one for from \$20 a month up?

Do you know that mules sell for from \$100 up? They never get sick; live long; require little care and never think of "votes for women?"

Have you ever thought of a woman except as a sort of cross between a mule and a gasoline engine?

Do you know that a woman can be a good cook and housekeeper and yet be charming and neat?

Do you know that there are many Kansas girls to be found without making it necessary to import them from Belgium?

Do you know that the worth while girl is the one you have to court and not the one who courts you?

Frankly, would you really love a girl you had never seen and who knew nothing whatever about this country, its ways and customs, simply because it cost little to keep her and because she could do the work of two Kansas girls? If you do, I only hope that some Belgian girls will be imported and that every bachelor who is of that opinion will get one; then there will be no danger of American girls getting tied to you.

Last, but not least, do you know that a good home means more to a woman than merely a place to work for her board?

NORTHERN KANSAS MAID. (Signature.)

The foregoing questions seem to me to be searching and pertinent ones which these bachelors must be prepared to answer. For example, Do you wash your neck? If not, why not?

One thing is evident, unless you do wash your neck, clean your teeth if you have any; also comb your hair, if you have any; clean your nails, shave with some regularity and change your overalls at least every two weeks, you will not make a hit with this Kansas maid.

Legal Holidays in Kansas

Editor The Farmers Mail and Breeze—In your issue of January 2 you say that Kansas has only five legal holidays. In the list the Fourth of July and Christmas do not appear. This strikes me as very peculiar. Personally I should think that we could very well omit any other day rather than these two from the list of legal holidays.

Why make Columbus day a legal holiday and omit the Fourth of July, or Christmas day, for that matter?

No one will go farther than I in honoring the great navigator, Columbus, but I believe it is just as important for us to honor the heroic founders of our great republic, whose intense devotion to the cause of liberty brought forth the Declaration of Independence. As to Christmas there is absolutely no excuse for its omission from the list, if we are to observe legal holidays.

Auline, Kan.

J. W. NIELL.

I quite agree with the writer, but he must remember that legislatures move in a mysterious way their wonders to perform. So far as Columbus day is concerned, that was made a legal holiday at the instance of the organization known as the "Knights of Columbus" which fact perhaps will not tend to make it particularly popular with a large class of our citizens.

Here Is Your Chance, Fair Maid

Editor The Farmers Mail and Breeze—I have read with much interest and amusement the articles on importation of orphans and widows to help solve the problem of single lonesomeness among the male population of our industrious bipeds. And now isn't it real funny to see the feathers of our sister bipeds ruffle up to show their pluck and righteous indignation? I'm a single lad myself. Not from choice but from force of circumstances and environment.

It's my opinion from observation and otherwise that there are about as many shelf worn maids as bachelors. But I'd surely like to have a nice little

maid if I could get close enough to one of them to make the right kind of an impression.

After all is said and done we are all made out of about the same kind of material and our natures and dispositions are influenced largely by environment and circumstances. There are several bachelors in this locality and I am sure most of them are as true to nature and natural laws as are the maids but the bachelor girls are almost as scarce as hen's teeth here. Of course old hawks will sometimes take a young fry if they can catch them but you see there is the mamma bird to contend with.

I think most bachelors admire the Christian graces in women as much or more than form and feature but it takes both to make the ideal man or maid. When it comes to sand, I have more sand than opportunity, and if the Kansas Maid, from Morland, wants to try my grit it will not take her very long to connect up with Box 84, Ransom, Kan. I'm a farmer and stock raiser, own my farm and stock without any incumbrance and have a new car, and if she is made of the proper stuff it will not take long to catch her.

Really the beauty of holiness and the sweetness of the spirit is the key to human happiness and it is the only thing that will bring universal peace and happy homes. I'm not looking for a wretched partner and I doubt if that kind would be much comfort or a real blessing to a native American. I'd rather live cheerfully and happily in single blessedness if I can't get a nice little girlie in Kansas.

OPTIMIST.

Remove the Cause

Editor The Farmers Mail and Breeze—I have read your Passing Comments for several years and with most of them heartily agree. They are more progressive than the Progressive party. If half the editors of the United States were as open, frank and fairminded as you we would have Socialism by 1920. You advocate so many Socialistic principles that if they were put into practice they would prove to be such a vast improvement over the old methods that we would reach the goal by 1920.

In your issue of January 2, under the heading, "Belgium," you state that the United States is a wonderful country; prospects fine; good homes, good beds at night; good breakfast in the morning. This is true of most Kansas farmers and possibly of nearly all Kansas people, but how about the slums of the cities, the Ludlow miners and the cotton farmers of the South? I do not object to giving to the Belgians, but the gifts should not come from the farmer and workers. They should come from the men who bought farmers' wheat for \$1 and will get from the consumers \$2 for the same wheat. The farmer gets \$1 for all his outlay and labor; the speculator gets \$1 for being the contractor.

If the Belgians had had foresight enough to prevent militarism a great deal of their suffering might have been avoided, but that does not relieve them now. Should not we as a people, take warning and use every means possible to prevent the same horrible conditions in our own country?

You strike at militarism and strike hard. Who wants militarism and for what? The exploiters, so that if they cannot get what they want by the ballot they can force it with the army. Why not remove the cause of militarism; exploitation or profit system?

In 1889 Kansas had a wonderful crop of corn. Corn sold for as low as 11 cents a bushel. One man I knew raised 7,000 bushels. He owed \$1,500 on his 80 acres and his stock was mortgaged for \$1,000. On this he was paying 13 per cent. Crops had been poor for several years and he had just managed to pay the interest. The mortgage on his farm was due now and he was forced to sell. He got out with two horses, two cows and his household furniture. In less than a year corn was worth 50 cents a bushel. At that price his crop would have sold for \$3,500, would have paid his debts and left him with his farm, stock and \$1,000. This was under the G. O. P. rule. The Populist plan would have saved this man and many others. The exploiters controlled the G. O. P.

The cotton farmers are in the same boat today that the corn raiser was in in 1889. The great Jeffersonian Democratic party is controlled by the exploiters now and has been busy looking after the interests of the bankers, a class able to look after itself. It was unconstitutional to lend money on cotton, but it is dollars to doughnuts that they will guarantee that 5 per cent raise to the railroads or pass some measure equally favorable.

To prevent poverty would be much better and more noble than to relieve it. The greatest among medical men are those who discovered means to prevent disease rather than those who discovered cures. Speed the day of the statesman who will strive to prevent poverty instead of creating it and then clamoring for relief.

As you once said, the system is wrong. If so, what is the use of trying to remodel it or add to it? People are getting weary of such talk as the full dinner pail; Burleson's talk of government ownership of telephones and Wilson's deferred rural credit. If the great brains of this world were used in learning how to make the world better to live in instead of being used to devise means to increase profits, poverty would vanish like the frost on a sunshiny morning.

Mr. McNeal, if you will give us Socialists a better plan than ours we will join you at once. We care nothing for party name. It is the bettering of mankind the world over for which we are working.

Henry Allen, in his Wichita Beacon, said that the Democrats had decreased 11-10 per cent, the Republicans and Progressives had increased 51-10 per cent and the Socialists had increased 765 per cent since 1900; then added, "Can you stop it?" He did not give any reason why we should try to stop it and if he ever has anything in his paper about Socialists it is twisted.

Some of these days Henry will climb into the back end of the wagon the way he did in the woman suffrage deal and then scramble for the driver's seat. It is easy to answer his first question. Give the people something better. No fake like the military Roosevelt will satisfy us.

Don't be pessimistic. If we can get a few more courageous, logical thinkers like Allen L. Benson to work there will be wonderful improvement.

S. S. HAZZARD.

Belle Plaine, Kan.

Fish and Game Law Violated

Editor The Farmers Mail and Breeze—I should like to say a few words in regard to the fish and game laws of Kansas. The "bull head" is a gamey little chub that boys delight to catch. It is easily caught and when the small boy comes home with a good string of them it is a joy. The carp I consider a good fish when taken from the

water of a river but not so good when grown in a pond or muddy stream. What I am most interested in, however, is a law that will stop the traffic in fish of all kinds. I live on the banks of the Republican River and have been a resident here since the fall of 1867, and know that this stream in particular is giving up tons of channel cat fish every year.

There are three classes of people who fish: The first class will fish now and then with rod and line to get just a mess of fish for the table and always within the law. The second class lives in the towns and fishes the year round for a living with traps, and turns in from 10 to 50 pounds of dressed fish a day. The third class is made up of experts who start at the head of the stream and fish all the way down. One of these experts turns in hundreds of pounds of fish at each of the towns as he comes to it. These experts are upheld as a rule by the meat shops and smaller violators of the law and do a great business.

To give some idea of the extent of their work I would say that a butcher in a little town nearby said that he gave one man \$50 a week while he was fishing near his town, which was not much compared with what he shipped to other towns. He estimated that the fisherman must have been selling from \$150 to \$200 worth of fish a week. This was last fall. At another place a man was known to catch one barrel of cat fish, selling them in market at Clyde. And this was the catch of a single night.

This is a sample of the way in which the law is being violated. The experts I speak of use a hoop net as a rule. These nets are certain to catch the fish whether baited or just laid along the bank where the fish are likely to run. The hoop is about 18 inches across and the net 6 or 8 feet long.

Now as to a law that would stop this wholesale slaughter, I would suggest that it should be unlawful to ship any fish out of the state or within the state and it should be unlawful for any person or firm to sell them.

Let the marshals or other officers of every town act in the capacity of fish wardens instructed by law to arrest any person selling or attempting to sell, fish caught from any of the waters within the state, on conviction to be subjected to fine and costs. Some such law should be enacted by our legislature.

P. L. BROOKS.

Clyde, Kan.

Undoubtedly the fish should be protected by reasonable laws, but why absolutely forbid the sale of fish? What are fish for if not to be eaten?

Question of Land Transfers

Editor The Farmers Mail and Breeze—I have read with interest many of the articles published in your valuable paper relating to subjects which appear to demand remedial laws, and I want to add a word.

Our present system of transferring land titles certainly demands attention. A title upon which a loan can be obtained, or a contract of sale safely be made, without the necessity of court proceedings has become the exception rather than the rule, and the defects requiring such action usually are of minor importance, such as failing to state whether grantor was married or single at the date of the conveyance, or by using the full name in making a transfer when it should have been by initials.

Another source of annoyance is the existence on record of an old unreleased bond or mortgage, or still worse, there may be a break in the chain of title by the neglect of a grantee to place his deed of record, but whatever the defect, they seldom develop any claimants to title, but on the contrary have grown hoary with age and are devoid of substance. It is to get rid of such claims, or apparent claims of title and establish a starting point, that creates the difficulties surrounding the adoption of the Torrens system. It often has occurred to me that, by the aid of a statute of limitation a curative act could be adopted shutting out all stale claims after five years from the time the cause of action appears of record to have accrued, or in case this period had already expired, one year more might be given in which claims could be asserted, thus furnishing a base for the application of the Torrens system.

Objections to a change will as a matter of course, be urged, such for instance as not saving to infants and those under disability superior rights, which is a favorite way of destroying the force of statutes of limitation, indeed it would not be surprising, if a proposed change were denounced as both unconstitutional and revolutionary, but it would not come from the land owners who are required to foot the bills incident to a transfer of title. It will be admitted readily that some remedy should be sought correcting our present system, otherwise it will continue to grow more cumbersome and expensive as the years roll by.

The subject of land transfers, is only one of many that needs early attention. Our judicial system readily could be improved upon. The district courts could be relieved of much business, by establishing county courts, thus reducing the number of judges, and at the same time create a popular court wherein litigants could obtain relief with much greater speed and less expense. The salary of the judges and stenographers in those districts abated would be saved to the state. The greater the jurisdiction of the county court, the less the business of the district court, but to relieve the district courts to an extent that would enable the districts to be reduced by one-half, jurisdiction should be conferred upon county courts to try all misdemeanors, and for the recovery of money, up to \$2,000.

The more urgent need of the farmers and stockmen is cheaper money on longer loans. Their necessities for loans cannot be justly measured by those engaged in other active lines including the operators on stock exchanges and boards of trade. The one calls for a long period of investment, while the other for only a short period. This is where the difficulty lies in our banking system. Co-operative rural banks could be authorized and encouraged to meet the needs of the farmers, while other lines of business could be accommodated by the commercial banks but the farmers should be divorced from the present system.

Complaint often is heard of the excessive cost of abstracts of title especially in the counties where a monopoly of the business exists. Abstractors are quasi-public officers under the law. They are entitled to the use of the public records in the conduct of their business, and are required to give bond to the state. The legislature has power to establish a rate, reasonable in its character, and if not adhered to by the abstractors they could be denied the use of the public records.

W. F. CHALLIS.

Westmoreland, Kan.

With The Lawmakers

Much of Interest For Farmers in the Bills That Are Being Considered by the Legislature

WHILE the legislature is in session the Farmers Mail and Breeze will tell its readers, in every issue, something about the bills introduced in which farmers might be interested, or in which, as business men, they ought to be interested.

We shall print no partisan comment in regard to these bills. The purpose will be to inform our readers, to keep them posted, but not to argue—in short to print the legislative news.

Necessarily every reference must be brief, but if it should be too brief for your purpose you have only to write to your representative or senator telling him of your wishes or your opinion. If your representative or senator seems too busy to reply you may write to the Legislative Service Bureau of the Farmers Mail and Breeze. A competent man will be assigned to the case, and every possible help will be given. Bills last week:

House Bill No. 1—An act relating to farm homes. By Bird.

House Bill No. 2—An act providing for the partial support of mothers whose husbands are dead or have become permanently incapacitated. By Bird.

House Bill No. 4—An act to amend section 7110 General Statutes 1909, being an act regulating transportation of livestock by railroad companies. By Laing.

House Bill No. 6—An act amending chapter 65, Session Laws of 1913, being an act relating to registration of motor vehicles. By Laing.

House Bill No. 8—An act creating a state highway commission, fixing the compensation of the members thereof, defining their powers, and duties, and repealing all acts or parts of acts inconsistent or in conflict with this act. By Kincaid.

House Bill No. 10—An act relating to the transportation of livestock and persons accompanying the same, and providing for the equipment of freight trains with properly seated caboose or passenger cars, and providing penalties for failure to comply with the provisions of this act. By Coolidge.

House Bill No. 12—An act relating to humane education in public schools and providing penalties for the violation thereof. By Kincaid.

House Bill No. 13—An act concerning assessment and taxation, and fixing the time for the assessment of real estate, amending section 2, chapter 316, laws of 1911, and repealing the original section amended by this act. By Kincaid.

House Bill No. 21—An act creating a lien of products threshed, under certain restrictions. By Hopper.

House Bill No. 28—An act in relation to railroad crossings and fixing penalty for violation thereof. By Hendricks.

House Bill No. 29—An act to amend chapter 71, General Statutes 1909, relative to liens upon personal property. An act giving owners of bulls, stallions and jacks a lien on certain stock therein named. By Hendricks.

House Bill No. 30—An act enabling school district boards, in school districts wherein are located cities of the third class, to buy additional grounds and to issue bonds to pay for such grounds. By Hendricks.

House Bill No. 31—An act providing for threshers' liens on grain or seed and providing for the procedure to foreclose liens. By Hendricks.

House Bill No. 35—An act providing a uniform course of study for the rural schools of Kansas, and repealing Chapter 272 of the Session Laws of 1913. By Mahurin.

House Bill No. 36—An act to establish rural high schools and rural high school districts, and repealing Chapter 262 of the Session Laws of 1911, and Chapter 278 of the Session Laws of 1913, and exempting the districts so organized from the provisions of general Section 7787 of Chapter 106 of the General Statutes of 1909. By Mahurin.

House Bill No. 39—An act providing for the auditing of the records of the counties of the state of Kansas. By Gilman.

House Bill No. 41—An act to amend Sections 3392, 3395, 3296, 3297, 3298 and 3299 and 3300 of the General Statutes of 1909 regulating Primary Elections, and repealing said original section. By Gilman.

House Bill No. 42—An act relating to bridges and culverts, and repealing Chapters 68, 69, 70, 71, 72 and 145, and Sections 43, 44 and 45 and 48 of Chapter 248 of the Session Laws of Kansas for 1911; of Chapter 70 of the Session Laws of Kansas for 1913, and Sections 644, 645, 646, 648, 649, 650, 651, 652, 653, 654, 656, 657, 658, 659, 670, 671, 672 and 673, 1895; 2105, of the General Statutes of Kansas for 1909 and all other acts or parts of acts inconsistent with this act. By Kincaid.

House Bill No. 42—An act relating to clerk hire, deputies and assistants to county officers. Amending Paragraph 2110 General Statutes of 1909, and repealing said original paragraph 2110. By Kincaid.

House Bill No. 44—An act relating to compensation of county commissions in certain cases. By Kincaid.

House Bill No. 45—An act relating to the compensation of county commissioners and amending Section 321, Chapter 197, Session Laws of 1913, and repealing said original section. By Kincaid.

House Bill No. 46—An act to encourage development and improvement of rural districts, and to repeal Section 9323 of the General Statutes of Kansas of 1909 and all acts and parts of acts in conflict therewith. By J. C. Hopper.

House Bill No. 50—An act amending Section 1, of Chapter 275 of the Session Laws of 1911, being an act to provide for the voluntary disorganization and consolidation of school districts to provide for transportation of pupils, and to amend sections 7331, 7432, 7436 and 7439 of the General Statutes of 1909. By Riebe.

House Bill No. 55—In relating to marriage and general diseases and to be known as an act to protect the generation unborn. By Pettit.

House Bill No. 64—An act relating to contagious diseases of livestock, providing for the appointment of a livestock officer, fixing his duty, providing his remuneration and providing certain penalties for the violation of same. By Campbell.

House Bill No. 76—An act relating to bonds, secured by mortgage, or deed of trust on real estate, and providing for the taxation thereof. By Reeler.

House Bill No. 79—An act relating to county high schools heretofore established by special act, and authorizing the county commissioners to levy a tax for the erection of buildings and the maintenance of said high school. By Uplinger.

House Bill No. 86—An act exempting certain persons from jury service, and amending chapter 215 of the laws of 1913, and repealing said section and all laws and parts of laws in conflict herewith. By Milton.

House Bill No. 97—An act requiring the county commissioners to assist in payment of premiums for agricultural fair associations that have been holding fairs and in actual operation for three consecutive years, and repealing of all acts and parts of acts in conflict herewith. By Hendricks.

House Bill No. 101—An act to equalize exemptions from taxation on personal property and for the encouragement of homes. By Doerr.

House Bill No. 105—An act amending and repealing section 248 of the Session Laws of 1911, entitled an act "relating to public roads and highways." By Gilman.

House Bill No. 108—An act appropriating certain funds for the furnishing and equipment for the anti-hog cholera serum and virus plant now being operated at the Kansas Agricultural college and for the propagation, production, transportation and distribution of serum and virus for the cure of hog cholera. By Nelswender.

House Bill No. 107—An act prohibiting the running at large of stock, providing a penalty therefor, making it the duty of certain officers to take the same up and providing a fee for taking up and the sale of the stock, for the payment of said fees. By Drummond.

House Bill No. 108—An act in regard to the summoning of jurors, and subpoenaing witnesses and supplemental to existing laws. By Moyer.

House Bill No. 116—An act prohibiting the unnecessary willful waste of water for irrigation and prescribing penalties therefor, and amending section 4508 of the General Statutes of Kansas, 1909. By Bray.

House Bill No. 120—An act to amend section 4423 of the General Statutes of 1909, entitled, "of the diversion and appropriation of water for industrial uses." By Williams.

House Bill No. 121—An act providing for the bonding of public warehouses. By Williams.

House Bill No. 122—An act providing for the non-delivery of telephone or telegraph messages. By Williams.

House Bill No. 123—An act relating to assessment and taxation, and providing for the collection of certain statistics as an aid in securing an equal and uniform rate of taxation. By Thompson.

House Bill No. 127—An act prohibiting certain officers and employees named in counties having a population of over 90,000 from engaging in business or performing services other than is required by virtue of their office and employment. By Van Cleave.

House Bill No. 134—An act relating to doves and supplemental to chapter 199 of the Session Laws of 1913. By Bird.

Farmers Have a Lobby.

Four representatives of the Kansas Grange have registered as lobbyists. They are A. Docking, Manhattan; B. Needham, Lane; P. S. Sanders, Oswego, and O. F. Whitney, Topeka, members of the Grange state legislative committee who were elected at the state convention a year ago.

Th Grange campaign, according to Mr. Whitney, the chairman of the committee, will be defensive and not offensive. The four lobbyists will inspect every bill which might affect the agricultural interests of the state and give it support or opposition. Mr. Whitney declared that the Grange has no bills to introduce and will have none, unless a need develops later in the session.

To Protect the Doves.

A bill by Bird relating to doves was introduced into the house. Mr. Bird's bill, introduced by request, is very short, its only provision being that "It shall be unlawful to kill doves between the twentieth day of July and the twentieth day of September of each year." It is house bill 134, by W. A. S. Bird of Shawnee.

Almost a Majority.

Farmers and stockmen lack only three votes of having a clear working majority in the Kansas house of representatives

this session. Sixty of the 125 members have signed up as farmers, farmers and stockmen, stockmen, and ranchmen. Of these, 32 call themselves farmers and nothing else. Fourteen admit to being farmers and stockmen. Four are stockmen. Nine of the house members list themselves as farmers in connection with other occupations.

A Mother's Compensation Bill.

The first mother's compensation bill was introduced in the house by W. A. S. Bird of Shawnee. The bill provides for a pension of not to exceed \$15 a month to a woman who has one dependent child and an additional pension not to exceed \$10 a month for every other child.

According to the provision of the bill a woman cannot draw the pension unless her husband is dead or incapacitated. This provision is intended to give relief to any widow with a family to support, but not the family which is partly supported by the father.

To Determine Wheat Facts.

A probe intended to clear the farmer of the responsibility of the high cost of living was the first step out of the ordinary taken by the Kansas legislature. On motion of Frank L. Martin of Rena, a resolution was passed by the house instructing J. C. Mohler, secretary of the board of agriculture, to publish all the information in the world about Kansas wheat in the last 15 years.

For Only One House.

Abolish the state senate. Have the house of representatives meet once in every four years. Length of the regular session to be 90 days. Special sessions to be called by the governor to last not more than 25 days. Members of the legislature to receive \$6 a day while the body is in session.

The foregoing is the substance of a resolution introduced into the lower house by J. C. Hopper of Ness county.

Property Rights of Wives.

Wives will come into their own, so far as property rights are concerned, if the present legislature passes a bill which Senator Balie Waggener has introduced for equal property rights for women. While the laws of Kansas are much more liberal in regard to the property rights of wives than the laws of many other states, many of the leading women of Kansas believe there is room for improvement. Marriage is a partnership, they argue, and they declare that the laws of the state should confirm the wife's rights to one-half of all property accumulated through the joint efforts of husbands and wives.

No Jury Service For Women.

Senator H. F. Sutton of Stafford county has introduced a bill which is intended to please the women, but which displeases many of them.

Following the adoption of equal suffrage in Kansas, women became eligible to jury service, the same as men, many judges held. But serving on juries appeared to be distasteful to the great majority of women. Senator Sutton's bill is intended to please these women by exempting them from jury service.

For Efficiency in Schools.

Two bills, one providing for more practical studies in rural high schools and more rural high schools, the other providing for a tenth grade in rural common schools in districts where there are no high schools, were introduced in the house by J. A. Mahurin of Coffey. The first bill amends the township high school bill of 1911 to allow districts to combine to vote bonds for township high schools in districts where there are not already accredited high schools. It also prescribes the following course of study for such schools for the first year:

First year—Domestic science and manual training alternate days; elementary science; civil government; English one-half year and single entry bookkeeping one-half year.

The second bill calls for a tenth grade,

to use the same course of study as that prescribed for the rural high schools, in rural commons for districts where there is no accredited high school.

"We have amply provided high schools and colleges for the successful few," said Mr. Mahurin in support of his measures, "but 90 per cent of our boys and girls are left to begin the activities of life without fitness and without purpose. These two bills are to bring into the reach of every child a school that will provide the bread and butter necessities needed."

To Protect the Game.

Although Senator Balie Waggener, the veteran legislator from Atchison, has a high regard for Prof. L. L. Dyche, the state game and fish warden of Kansas, he is planning to introduce a measure which will almost put the state fish and game department out of business by cutting off its revenue. Also, it will greatly limit hunting in Kansas. Senator Waggener expects his bill to arouse the hunters of the state, but he is a good fighter and the fact that his bill will arouse strong opposition will not prevent its introduction.

Senator Waggener's bill provides drastic penalties for anyone found hunting upon the fenced or enclosed land of another, except he has the written consent of the landowner. And if a person is found upon the land of another with firearms of any description in his possession, the bill provides that this shall be prima facie evidence that he is hunting upon the premises. Senator Waggener's bill provides a penalty of a fine of not less than \$250 nor more than \$500, or three to six months in jail, or both, for its violation.

Audit All County Books.

A bill providing for the auditing of the books of all county officers at the beginning and end of their terms was introduced into the house by J. M. Gilman of Leavenworth. The counties will stand the expense of audits if the bill is passed.

To Change the Jury Systems.

Two changes in the present jury system of Kansas were planned in a measure introduced in the senate. One, by Senator James Malone, provided for an amendment to the state constitution to permit three-fourths jury verdicts. The other, by Senator I. M. Mahin, allows ten jurors to agree upon a verdict.

To Protect Stock Shippers.

Stock shippers of Kansas will be interested in the passage of a bill introduced by Senator I. M. Mahan of Smith county. The bill is aimed at the cupidity of the Kansas City Stockyards company, but incidentally will curb the avarice of all stockyards in Kansas.

Senator Mahin said that the Kansas City stockyards usually charge about 400 per cent above wholesale prices for feed which it sells to shippers, or which is fed to cattle and hogs in the yards. The Mahin bill prohibits stockyards companies from charging in excess of 50 per cent above the prevailing wholesale price of feed.

Pensions For Rural Teachers.

Pensions for rural school teachers to help keep them teaching in the rural schools instead of joining the "rush to the city are provided in a bill that will be introduced in the house tomorrow by J. M. Gilman of Leavenworth. The Gilman bill provides for a pension of \$240 a year after a teacher has taught 25 years in the public schools.

Under the provisions of the bill, a teacher to get the pension must contribute \$1 a month for the school year for the full 25 years, amounting in all to \$200. Teachers now in service can come under the provisions of the annuity act by paying the \$8 a year for the time they have been teaching.

No two cows can be fed just alike and still be fed to the best advantage.

Farm Business

It Takes as Much Brains to Succeed Here as Anywhere Else—Inside Tips

FARMERS are business men, but few of them have the conveniences necessary for conducting business easily. I have planned for years to build a home, devoting space on the first floor to a comfortable office with furniture suitable to my wants. My new home is built, and I am using the office.

Since I have my office I desire to keep records. I feel a new energy. It is a joy to have system in my work. The time I used to waste is now spent in the office answering correspondence, making plans and figuring.

The influence of my office has been a help in many ways. It is a novelty that will not wear out with us, I believe. My boys take as much delight in using the office as I do. They keep stock records, and are showing a new interest in the business of farming. My girls like to help with the bookkeeping. I class the farm office with the telephone, telegraph, and the trade and daily papers, as one of the great influences for family unification.

Miller, Mo. S. D. Williamson.

Small Desk Is Convenient

The first thing needed for a farm office is a small folding or roll top desk costing not more than \$12 or \$15. It may be only large enough to contain a supply of paper and envelopes, lead pencils, pen and ink for matters of record, and a place for important papers. A ledger is needed in which to keep a simple account of all receipts and expenditures, accounts with plots of ground, neighbors and merchants.

The man who has a handy desk, where he can rely on finding necessary material to attend to his correspondence, will go there without loss of time, answer his letters and post them in his route box. If he must, at the end of the day's work, separately locate all of the essentials to a reply, ending with a search for the letter received, he will postpone the matter.

A small desk in the living room is the thing for the farmer of small means and of average correspondence. A small desk methodically used is better than a large one hopelessly confused. A large desk with many pigeon holes and drawers becomes in time only a searching place for what is wanted.

Travis W. Wilson.

Mullinville, Kan.

Keep a Clipping File

When hogs were worth 3 cents, and corn sold for 20 cents, the farmer did not have so much use for an office as he has at present. He could be pardoned for depending on his memory, because he did not have much to remember. We can no longer afford to broadcast a crop and "take the chance." To succeed now we must till the ground carefully, use a proper system of crop rotation, select stock intelligently, and feed a balanced ration.

None of us can live long enough to learn all we need to know about farming. We can get ideas from the experience of others, and we can learn where to find any farming knowledge when we need it. The way to have this information when needed is to have a farm office, a business corner in the home. We go to this office to see what that crop of oats netted, how much it cost to fat-

ten those steers, or how much growth a ton of silage made on the bunch of heifers fed last year.

A typewritten letter has many advantages over one written with a pen. It is compact, and may be read at a glance. Write to a lawyer asking important questions, and his reply often will show that he grasped but one idea, when if the letter had been typewritten he would have caught the whole message.

Modern office ideas can be adapted to your needs. A letter file in the big drawer of the desk is not expensive. An envelope file of clippings soon will develop into a complete and handy encyclopedia of farm subjects. My experience is that progressive farmers are using office equipment. I am sure such equipment is a valuable asset to any of us.

Derby, Kan.

Ezra E. Beard.

System Is Valuable

The desire for success is the same whether we are merchants or farmers. The merchant needs an office and an accurate system of bookkeeping, and the farmer's need is almost as urgent.

In this office we should have a book in which to record the business items of the day. When these items are transferred to the ledger we will have statements concerning our hay meadow, corn ground, wheat field, cattle, hogs, in fact an exact knowledge of what every part of the farm business is doing. We will not then wonder what became of the \$30 we drew last month. We will be able to compare the accounts from month to month, and from year to year, and know what part of the business is profitable.

An inexpensive letter file is a necessity. When a collector called, a few days ago, we turned to our file, produced the firm's letter and proved that our bill had been paid. No business man can afford to neglect to keep a record of his correspondence.

Mrs. W. H. Hartmann.

Brookville, Kan.

Model Office in a Barn

I consider an office indispensable to every farmer. A typewriter, desk, file, and safe are the most needed pieces of equipment. Some of these things are used by all progressive farmers. The office may be in any room from the parlor to the kitchen. Once I found a good farm office in a room in a barn. This barn office was well equipped from typewriter to telephone.

Many farmers invoice their farms, stock, grain, and implements every year. Each kind of stock has its account, each field is charged with its own ex-

pense and credited with the proceeds. With such records we can tell what department of the farm has made money, what improvements should be made during the year, and how we can best invest for profit under existing conditions.

The progressive farmer, working his farm to the limit, must be a better business man than most of the merchants with whom he deals. He has more money invested, more lines of business to keep track of, the same markets to study, surely he needs a well appointed office.

Hilltop, Kan.

R. Wolcott.

Good For Banker or Farmer

Business is governed by hard and fast rules, and if we do not live up to them we cannot expect to be successful. The same rules apply to the farmer, banker, merchant, or to the president of the United States. Guesswork and haphazard methods should have no more place on a farm than they have in a bank. The banker is compelled by law to use business methods.

If bank depositors need such protection, how much more do the few who are dependent on the farmer need business protection. The whole family strives for success under the farmer's plans. If there are no losses they succeed easily, but losses from unexpected or unknown sources always are eating the profits. Business methods will ferret out these losses.

Business methods require extra effort, but with modern conveniences such as a typewriter, desk, and filing cabinet, this effort is minimized. Many farmers use a combination bookcase and writing desk in a corner of the living room, for their office. They keep records of the milk cows, hog feeding, orchard, chickens, crops, and the unprofitable animals or crops soon are discarded.

Clearwater, Kan. C. O. Parsona.

Brings Progress and Thrift

I am a firm believer in the farm office. Such an office is not only helpful to farm thrift and progressiveness, but it lends inspiration, dignity and thoroughness to the farm management.

I have in mind one farmer who owns and operates a produce, hog and poultry farm. On this farm he has built a handsome seven-room residence. In the upper west room he has his office. This room was built and fitted especially with this purpose in view. The room receives all necessary daylight by side and corner windows, and is fitted with artificial light and heat. It is in this room, that the farmer originates and solves the financial problems of his farm.

In one corner is a roll top desk with pigeon hole space for all matter and letters not kept on the regular files. Not only does this farmer keep a careful file of all letters received, but he duplicates on the typewriter every business letter that he sends out.

As a useful adjunct to the office equipment there is a bookcase in which is kept nothing but reference books. Close to the bookcase is a steel safe.

Will office conveniences help a man who is farming to increase his profits? They will to the same degree that he employs them with judicious business judgment.

Lee Harmon.
Scott City, Kan.

Concerning Horse Improvement

Productive Horse Husbandry, by Carl W. Gay, is a book on improving draft animals which has been issued recently by the J. B. Lippincott company of Philadelphia. The book consists of 330 pages, and the price is \$1.50.

The author discusses the very interesting problem of horse improvement in a very interesting way. The book is especially timely here in Kansas just now, when the problems that have been brought up by the demand for horses in the war are being solved. The author shows that it is essential that an effort should be made to improve the animals on the farms today.

Kansas has 150 million dollars invested in horses and mules, which cost 40 million dollars a year to keep. The cost of the horse department on the average Kansas farm is too high. This can be reduced by keeping mares to a greater extent for farm work, and then breeding these mares to the best draft stallions available. The colts will help to lower the cost of the horse power. The book takes up all of these phases of horse management. It ought to be in the library of every man in Kansas who owns a horse.

For Better Kansas Gardens

Productive Vegetable Growing, by John William Lloyd, is a book which has been issued recently by the J. B. Lippincott company of Philadelphia. The book consists of 338 pages, and it is especially well bound. The price is \$1.50.

This volume will help to raise the standard of the gardens on the farms of Kansas. It ought to be a part of the library of every farm home. The principles of raising vegetables for profit are set forth in this volume, and they are of the utmost value to the farmers who raise vegetables on a large scale or to the ever-increasing number of persons who desire to supply their tables with vegetables from their own gardens. The cultural requirements of nearly every crop have been analyzed in the light of many years' experience with vegetables, and therefore the book presents the underlying principles of vegetable production in a clear and logical manner, with every step thoroughly explained in the 192 illustrations. It places vegetable gardening on a safe and sure basis, and will enable the student, the farmer or the amateur gardener to profitably engage in this work.

Clean stables are a necessity to sound feet and legs, and sound health as well.

BAD DREAMS

Caused By Coffee.

"I have been a coffee drinker, more or less, ever since I can remember, until a few months ago I became more and more nervous and irritable, and finally I could not sleep at night for I was horribly disturbed by dreams of all sorts and a species of distressing nightmare.

"Finally, after hearing the experience of numbers of friends who had quit coffee and were drinking Postum, and learning of the great benefits they had derived, I concluded coffee must be the cause of my trouble, so I got some Postum and had it made strictly according to directions.

"I was astonished at the flavor and taste. It entirely took the place of coffee, and to my very great satisfaction, I began to sleep peacefully and sweetly. My nerves improved, and I wish I could wean every man, woman and child from the unwholesome drug-drink—coffee.

"People do not really appreciate or realize what a powerful drug it is and what terrible effect it has on the human system. If they did, hardly a pound of coffee would be sold. I would never think of going back to coffee again. I would almost as soon think of putting my hand in a fire after I had once been burned. Yours for health."

Postum comes in two forms:

Regular Postum—must be well boiled. 15c and 25c packages.

Instant Postum—is a soluble powder. A teaspoonful dissolves quickly in a cup of hot water and, with cream and sugar, makes a delicious beverage instantly. 30c and 50c tins.

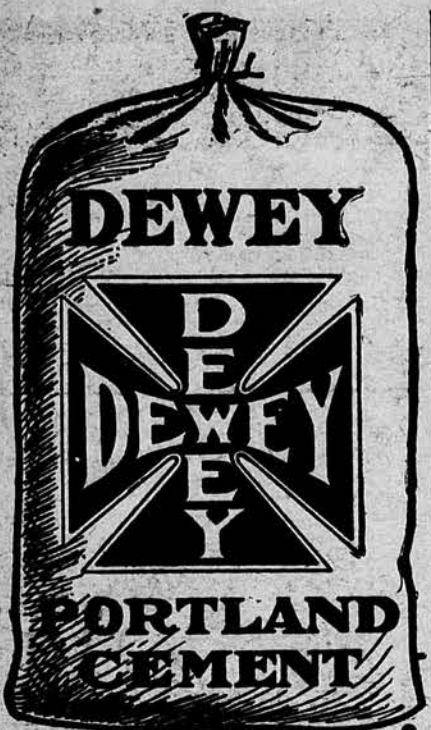
The cost per cup of both kinds is about the same.

"There's a Reason" for Postum.

—sold by Grocers.



The Progressive Farmer Must Be a Better Business Man Than Most of the Merchants With Whom He Deals.



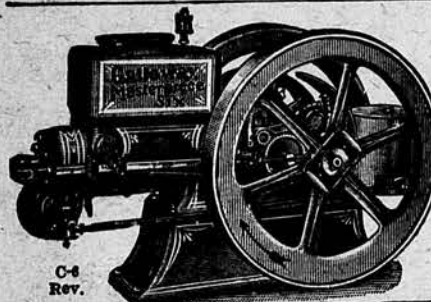
Sold by Leading Dealers Everywhere.

KANSAS MAKES GOOD!

The 1914 wheat crop, which was estimated at 130 million bushels, has actually threshed out 180 million bushels! There's nothing the matter with Kansas—rich to-day in productive wealth and paying her farmers handsome dividends year after year. Two years ago a new line of the Santa Fe opened up five new counties in southwestern Kansas. There you can raise beef cattle and hogs—a profitable business and sure returns. Grow some wheat, corn, oats, barley, vegetables, if you like; but you can make greater profits from kafir, milo, feterita, and other fodder crops, making ensilage equal to Indian corn and turned into money through fattening cattle. You need very little ready money for the contract we offer. Write to-day for details.

E. T. Cartledge
Santa Fe Land Improvement Co.
1833 Santa Fe Bldg., Topeka, Kan.

MAKE GOOD IN KANSAS



Galloway's New 6H Masterpiece \$98.75

The Galloway Masterpiece 6 h. p. at our new low price is the power sensation of the year. It's positively the most engine for the money ever offered by anybody, any place, anywhere, at any time. It's positively A. 1 in high quality of material, finish, design and workmanship. Absolutely supreme in power, simplicity and design, not over-rated, nor high-speeded, but large bore and stroke, and plenty of weight, low speed, built for long, hard, continuous service. All other sizes from 1 1/2 h. p. up to 16 h. p. proportionately low in price. Our engines are made in our own great modern factories by the thousands, from the very finest materials, on automatic machinery, all parts standardized and alike and sold to you direct from the factory for less money than middlemen can buy engines no better at wholesale and in many cases not nearly so good, in solid carloads for spot cash.

Don't Get Fooled

by the light high-speeded, short-lived, cheap engine, nor by the high priced, ordinary engine with four middlemen's profits as the only excuse for that price. Check our engine point for point with them all, measure the bore and stroke, put them on the scales for weight, size them all up for simplicity, then test ours out side by side with every make and kind, regardless of who makes it or what price they ask, and we will leave it entirely to you to be the judge. Sold on thirty days' free trial. Every sale backed by a \$25,000 bank bond.



Valuable Engine Book FREE
Also my 1915 sliding scale or profit sharing price reducing schedule. Send a postal today for full particulars, valuable engine book that is full of information, pictures and letters from satisfied customers that tell the absolute truth about Galloway engines. It's free for the asking. Address
Wm. Galloway, Pres.
Wm. Galloway Company
45 Galloway Sta., Waterloo, Ia.

JUST ABOUT FARMING

A TON of wheat straw contains an average of 11.8 pounds of nitrogen, 2.4 pounds of phosphorus and 10.2 pounds of potash. Commercial fertilizer prices for these elements are approximately 18 cents a pound for nitrogen, 6 cents a pound for phosphorus and 6 to 10 cents a pound for potash. Potash will revert to the lower prices after the war. A little calculation shows a ton of wheat straw to contain \$2.20 worth of plant food, based on commercial prices at lowest estimates. We know, however, that the mechanical effect of straw in the soil is of quite as much or more value in crop production than the chemical elements.

Wheat straw has a very definite value, which should be conserved. It can be fed at a profit as a filler in connection with other feeds; especially is this true of the straw from soft wheat. When the animals are not available the straw should be spread back on the land. This can be done rapidly and economically.

Tree Pruning

Is your orchard a brush patch? It is a distressful thing if this is the case, but at that it is no worse than the average orchard in Kansas. This is a good time to prune the trees. Let's get this pruning done before the sap starts in the spring. Open-center pruning is the ideal for Kansas. Allow the light and air to get into the center of the tree.

Better Profits

Dori-Hale of Troy had a 10-acre orchard that produced only \$200 worth of apples in 1913. Last season, with proper care in pruning and spraying, it produced 3,500 bushels, for which he received \$2,000, or ten times its former value.

From Troy alone 503 carloads of apples were shipped last fall. Fruit farms from 20 to 30 acres are producing as much revenue as those ten times as large which are used for raising grain. Clarence Meidinger of Troy sold his crop of apples from 640 trees in 1913 for \$300. The past season he sold \$3,150 worth of fruit from the same orchard.

The remarkable success of the Doniphan county fruit growers in the last few years has been the feature of the horticulture of Kansas. The growers in that section who are using good methods of pruning, spraying and cultivating are making good profits. Let us not forget, in the general rejoicing over the advancement that is being made around Troy and Wathena, the man who started the movement. This is J. H. Merrill, who led the fruit growing revival of northeastern Kansas.

Motor Cars

There are 50,454 motor cars licensed in Kansas. During the last six months the number of automobiles in Kansas increased nearly 20 per cent. There were 10,565 more machines licensed January 1, 1915, than July 1, 1914. In 103 counties there are 10,570 more machines. Two counties report fewer machines, Morton three and Stevens two. The increase in the number of motor cars is a good index to the prosperity of Kansas. The cars are doing much to make farm life more interesting and agreeable.

Rural Sanitation

In 1909 the commission on country life reported that "the farm should be the most healthful place in which to live, and there are numberless farmhouses, especially of the farm-owner class, that possess excellent modern sanitary conveniences. Still it is a fact that there are also numberless other farmhouses, especially of the tenant class, and even numerous rural schoolhouses, that do not have the rudiments of sanitary arrangement. Health conditions in many parts of the open country, therefore, are in urgent need of betterment."

The problem of rural sanitation calls for consideration from two points of view: that of the possible danger of

objectionable surroundings and unhygienic practices to the individual on the farm and his immediate neighbors; and that of the menace which insanitary farm conditions may present indirectly to urban communities. The sanitary relation of the farm to the city involves almost entirely the possibility of the spread of actual infection from country to city through milk, meat, vegetables and other farm products.

The rural health problems of Kansas deserve very careful attention. One should make an effort to prevent illness rather than put all the effort into curing the person who becomes ill.

Long Leases

The one-year, grain farming lease is a crime against humanity. It is fundamentally wrong from a business standpoint, and it has been the greatest drag on the agriculture of Kansas.

Long time leases based on livestock farming will solve the tenant problems in Kansas. It is possible to build up a permanent and profitable system of agriculture on rented farms, as has been well demonstrated in parts of northern Missouri and in England and France, if livestock is the basis. If enough farm animals are kept to eat the feed produced on the place, this naturally leads to good crop rotations which feature legumes.

Country Teachers

"We have too many little immature girl teachers," said Edwin Holton recently. "If a teacher has not been over the road from youth to maturity, if he or she has not a vision of higher things, how can that teacher lead youth? It is like the blind leading the blind."

"If we continue to let the cities take the red-blooded children with initiative from the rural districts, it will mean the ruin of the great republic. Like begets like—call it the law of heredity, of God, or of nature, as you choose—and the training of the best from the country can mean only the decline of the people."

"It was not the degeneracy of the Roman city that brought about the fall of Rome. It was the drawing of the country to the city, depleting the rural districts, that caused it."

Better teachers can be obtained by a community if it will offer a higher salary. Kansas country teachers do not get the reward they deserve. Any district can well afford to pay as high a salary as is necessary to get an efficient teacher. Good teachers do much to solve all the rural problems.

County Agents

The county agent is a part of a great agricultural movement. This movement has for its ultimate purpose the building up of a country life that shall be wholesome, attractive, cultured, efficient, and profitable. There are many sections of Kansas today that have one or more of these conditions, but the sections where all are found in happy unison are comparatively few. The desire of those who are thinking on rural problems is that rural communities everywhere shall be wholesome, attractive, and cultured, and that every man shall receive a fair reward for the labor done and the capital invested. The county agent has one dominant part in this program. While he may take other parts, his primary function is to help make agriculture efficient and profitable. In proportion as agriculture is made profitable will the community become attractive, cultured, and a place wholesome and desirable to inhabit.

Just what is meant by a profitable agriculture? Simply this: There shall be a reasonable return on the capital invested in farming and a reasonable return for the farmer's labor and managerial ability. A farmer, like any other man in any other business, is entitled to just what he earns and no more; but what he earns should be sufficient to give him and his family some of the more essential conveniences of modern life, time for study, some recreation, and opportunity for education for his children.

He Broke the Price on Gasoline Engines!

Geo. E. Long, "The Young Man Who Made Ottawa Famous," Proved That His Theory of Selling Direct is the CHEAPEST Selling Plan

TRULY A SELF-MADE MAN

The subject of this sketch is perhaps already better known to western farmers than any other manufacturer in this section. Certain it is that no other manufacturer lives closer to his work and his customers or has so many personal friends among the farmers of the West and Middle West as Geo. E. Long, Manager of the Ottawa Manufacturing Co., 301 King St., Ottawa, Kansas.

Geo. Long was one of the first large manufacturers to back up his belief that



the old indirect, round-about, three-profit plan of selling was wrong. He knew how to build good engines—and he BELIEVED he knew the one most practical plan by which to SELL them. When Geo. Long announced that he was going to sell a 6 H. P. at \$96.75 direct from factory to farm, engine manufacturers all over the country said that it could not be done—but Long is doing it and making money—a small profit on each engine, which is the secret of his success. The entire output of "Ottawa" engines goes direct from factory to farm on the one-profit, mail-order sales plan. As a result, a farmer can buy a 6 H. P. engine, guaranteed for years, for only \$96.75, a 4 H. P. engine for \$68.90 and other sizes from 1 1/2 H. P. to 15 H. P. in proportion. Thousands and thousands have been sold in this way—and thousands more will be sold THIS year and NEXT year and throughout the years to come.

The "Ottawa" gasoline engine has for many years held its place at the very top of the list for efficiency, power, fuel economy, dependability and low cost. Geo. Long can under-sell all competition and give BETTER quality and a more BINDING GUARANTY for the very simple reason that he has the best of ALL of them in low manufacturing costs. He operates his own big foundries, machine shops, finishing and assembling rooms and warehouses. He is located in a small town in the natural gas belt where power fuel and lights cost almost nothing and where property investment and taxes are many times less than they would be in a large city. He gets high-quality labor at less cost because it costs his men much less to live in Ottawa than in a big city. He is near the source of supply for raw materials and fuel and is IDEALLY located as regards shipping facilities and nearness to his market.

The success story that could be written about Geo. E. Long would fill much more space than we can use here—and the many good things that could be said about the "Ottawa" engines would fill PAGES instead of columns.

Mr. Long has just written and published one of the most complete and most interesting engine catalogues ever issued. It is a book of value to every farmer interested in the big and important subject of farm power. Mr. Long will send a copy of his new engine catalogue free and postpaid to all readers of this paper who will write him at address given above.—Adv.

Buy it now

Don't buy what you don't need, but buy what you do need, now. It will put thousands of idle men at work who are suffering this Winter.

1915 MODEL 22 Cal. HUNTING RIFLE Free

A REAL GUN. Take-Down pattern, with latest improvements, walnut stock and grip. Shoots accurately 22 long or short cartridges. Handsome, durable. SEND NO MONEY only your name and address for my easy plan of securing this fine rifle Absolutely Free express prepaid. Write today. D. W. BEACH, Box 62, S. Spencer, Ind.

Kansas Stock Breeders Met

Farmers Who Came to Topeka Last Week Believe That Rapid Progress Is Being Made With Livestock

A LARGE attendance and a great deal of interest were features of the annual meeting of the Kansas Improved Stock Breeders' association last week in Topeka. The livestock men are encouraged over the development of their business. They believe that the state is making rapid progress in the substitution of logical livestock systems for grain farming.

The first address was given by Dr. C. W. McCampbell, secretary of the Kansas Livestock Registry board, on "Horse Production as a Farm Industry." Dr. McCampbell told of the progress the state is making in the development of better horses, and he showed that there still is a great deal of work to do. Improved methods of feeding and breeding are essential in the production of better draft animals in Kansas. It is especially important that the colt crop should be increased, as this will help to reduce the horse costs. We have about 150 million dollars' worth of horses and mules in this state, and it is costing 40 million dollars a year to keep them. If an increasing number of good colts are raised it will help to reduce the cost of the horse department.

Better Feeding Is Necessary.

Dr. McCampbell showed that the average stallion owner in Kansas is losing money on his investment. He made a plea for better support for the men who own good stallions. The draft mares of the state should always be bred to the best stallions available, even if a high fee is demanded. Along with this better breeding should come more logical methods of feeding. Dr. McCampbell showed that a mixture of 70 per cent corn, 25 per cent bran and 5 per cent oil meal is a much cheaper feed for colts than oats, and it is more efficient. He also proved that there should be a greater use of fairly well matured alfalfa hay in the horse ration.

The influence of heredity in the developing of a dairy herd was discussed by R. J. Linscott of Holton, who owns the largest herd of purebred Jerseys in Kansas, and has about 20 cows in the register of merit. He showed that production is the best basis for judging the value of an animal. He made a plea for greater care in the breeding and feeding of the herds of Kansas. He showed that a fundamental knowledge of the records and pedigrees of a breed, and especially of the families in the breed in which one is interested, is essential in obtaining the best results.

G. A. Laude of Rose discussed "The Herd Cow." He believes that greater uniformity in breeding is necessary. He showed that it is essential that one should have definite aims and ideals in the breeding operations, and carefully work toward these.

"The Selling End of the Breeder's Business," was discussed by F. O. Newton of Newton. Mr. Newton believes that the greatest weakness of the average breeder of purebred stock is in his selling methods. He thinks that greater attention to the publicity end of the work is essential, and he showed that this will pay well.

For Better Community Life.

Walter Burr gave an address on "The New Rural Community," which aroused a great deal of interest. He made a plea for more community spirit, and he showed that this is essential if we are to build up the best rural life in Kansas. He believes that more "get-together" meetings are needed, and that more amusements should be provided. These amusements, however, should be of the country. Country life is much different from city life in the very nature of things, and it always will be different. The community efforts should be planned with the needs of the country in mind—they should not follow the plans of the city.

Miss Frances L. Brown spoke on "Better Meat From the Standpoint of Food Value." She showed that more attention should be given to the quality of the meat on the average table in Kansas. She believes that we are eating too much meat, and that the amount should be reduced and the quality im-

proved. Well bred, well fed animals are essential in the production of the best food.

More of an effort should be made to improve the grass land of the state, according to W. A. Cochel. He thinks the outlook for the livestock business is bright.

"The livestock industry in Kansas is improving," said Professor Cochel. "There is no doubt that the cattle, horses and hogs we are producing today are better than in the past. The use of purebred sires is more general in Kansas than in any other state in which I have had the opportunity to study conditions. The farmers of our state believe in livestock. The men who are getting ahead are the men who are handling livestock. They are living in better homes and are making better citizens than the grain farmers."

Other addresses that attracted attention were those by E. L. Barrier, Eureka; F. W. Bevington, Jewell; T. A. McNeal of the Farmers Mail and Breeze; Mrs. William Brobst, Topeka; Dr. C. W. Hobbs, Manhattan, and George W. Berry, Topeka.

To Control Hog Cholera.

A resolution was adopted asking the legislature to be more liberal in its appropriations for enforcing the livestock sanitary laws. An amendment to the present livestock sanitary law was discussed by the breeders. The amendment provides that upon the presentation of a petition signed by 25 swine growers in any county, the livestock sanitary commissioner shall appoint a man in that county to enforce the quarantine and sanitation laws. The bill was given to the chairman of the livestock committee of the senate with the request that it be introduced by him. This is the full text of the bill:

Upon the presentation of a petition signed by 25 swine growers of any county, the Livestock Sanitary commissioner shall appoint a competent man residing in such county, who shall be known as County Commissioner of Swine health of such county, whose duties it shall be to enforce the rules and regulations of sanitation and quarantine relating to the eradication of cholera or swine plague, that are and may be authorized and issued by the Livestock Sanitary commissioner, and also such rules and regulations as are hereinafter provided. Said County Commissioner of Swine health shall at all times, in the performance of his duties, be subject to the control of the State Livestock Sanitary commissioner who may, also, at any time, remove him.

Swine owners shall report all cases of sickness and death of swine from suspected infections or contagious diseases, within 24 hours, to the County Commissioner of Swine health.

The County Commissioner of Swine health shall employ a veterinarian and send him to inspect all herds of swine where disease or death from contagious disease is known or suspected to exist to determine the nature of the disease.

On all premises on which swine are found to be affected with cholera or swine plague, the veterinarian making the discovery of said disease shall post at all entrances to said premises whereon cholera or swine plague is found to exist notices, printed or written in large letters, stating the existence of contagious swine disease on said premises.

All lots, pens, and houses in which swine sick with cholera or swine plague are kept, shall be disinfected in such manner as is recommended by the rules and regulations authorized and issued by the Livestock commissioner.

No one shall be allowed to enter the pens, lots, or fields in which are kept swine affected with cholera or swine plague, except their owner, and his employees in attendance, and the veterinarian in charge of the quarantine of said premises, except as may be permitted by obedience to the rules and regulations authorized by the Livestock Sanitary commissioner.

All swine that die of cholera, swine plague or other disease shall be burned within 24 hours after death, unless under special permit to be disposed of otherwise.

No swine known to be affected with cholera or swine plague, shall be kept in pens, lots, or fields through which a stream of running water passes, nor be allowed to approach nearer than 100 feet of any stream of running water. The Livestock Sanitary authorities shall have power to provide in a practicable manner against the dangerous pollution of streams with hog cholera virus, and provide for the safe disposal of garbage liable to be infected with hog cholera virus.

When any swine owner administers or causes to be administered to any swine on his premises, virus or virulent cholera blood, he shall within 24 hours thereafter, post notices stating that fact at all entrances to his premises.

No hog treated with virus or virulent cholera blood, shall be removed from the premises of the owner for 30 days thereafter.

No hog shall be removed from premises

infected with hog cholera or swine plague for 60 days after said disease has disappeared, unless such are removed under a special permit issued by the Livestock Sanitary authorities.

The salary paid such County Commissioner of Swine Health, shall be \$3 a day, and expenses for time served.

The expenses necessary to the carrying out and enforcement of this law shall be paid by the County Commissioner in each county wherein the expenses are incurred. This act shall be enforced and take effect from and after its publication in the statute book.

The officers of the association for the coming year are: C. S. Nevius, Chiles, president; Clarence H. White, Burlington, vice-president; George C. Wheeler, Topeka, secretary. The members of the new board of directors are: H. W. McAfee, Topeka; F. O. Newton, Newton; Frank Howard, Topeka; T. H. Terry, Bavaria, and E. L. Barrier, Eureka.

Fast Horses in the North

There was a tradition for a good many years that fast pacing and trotting horses could not be bred in a frigid climate. Most of the world's record breakers of the old days came from Kentucky and Tennessee. M. W. Savage of Minneapolis, who has broken a good many other precedents, has smashed this by the remarkable success of his big International 1:55 horse breeding farm in the Minnesota Valley just outside of Minneapolis. When Mr. Savage established this farm it was freely predicted by horsemen that the attempt to breed fine colts so far north would be a failure, but Mr. Savage has made such a success of it that it is now no uncommon thing for many of the big racing stables to stay in the North during the coldest winter. And the horses themselves seem to thrive better and to have more vitality because of this change.

One of the best proofs of this is the remarkable vitality and long life of the famous Dan Patch, still a successful sire, breeding fast sons. Mr. Savage has bred and raised two sensational fast colts, one a pacer and the other a trotter, both from the same sire, the champion Dan Patch 1:55, that will no doubt make the famous International farm still more famous.

The pacing horse, Dazzle Patch, is now 6 years old. As a 4-year-old Dazzle Patch worked a full mile in 2:02½ and a half mile in 56¾ seconds, the latter time being within ¾ of a second of the world record for the distance, which is held by his famous sire, the only Dan.

The trotting colt is Electric Patch, now coming 4 years old. Last year in his 3-year-old form, Electric started in eight races in as many weeks, winning every one of them without making a break or losing a single heat. At the Missouri State Fair he trotted the first heat in 2:04¼ (his present record), the last quarter of this mile being in 30½ seconds—a 2:02 clip.

As Electric never had to extend himself to win any of his races it is judged by experts that he could have trotted a mile in 2:05 or 2:06 against the watch if he had been pushed to his limit. The Panama-Pacific Exposition at San Francisco this year has a \$20,000 pace and a \$20,000 trot at each of its meetings, which are held in June and October. Dazzle Patch is entered in the two pacing events and Electric in the two trotting stakes. As of course these immense purses will attract the fastest racers in training, Mr. Savage challenges the world with two Minnesota raised colts.

Mr. Savage receives inquiries almost daily in regard to Dan Patch, asking whether he is still living and in good health. In fact a rumor seems to have been afloat that the champion is dead. These numerous inquiries show the great popularity of Dan Patch and the regard in which he is held everywhere.

Dan is in the most excellent health, is big and strong, measuring 15.3 hands high and weighing 1175 pounds, which is more than he ever weighed before in his life. The 1914 crop of foals at the International 1:55 horse breeding farm includes 33 splendid specimens by Dan Patch. They are a fine looking lot and probably represent some future champions and winners of the great turf classics of years to come.

Don't keep the ram with the ewes. Give him light, clean, dry quarters by himself. Keep him thrifty by good care and sufficient feed.

It is the fault of some man if a horse has bad manners, or a bad habit.

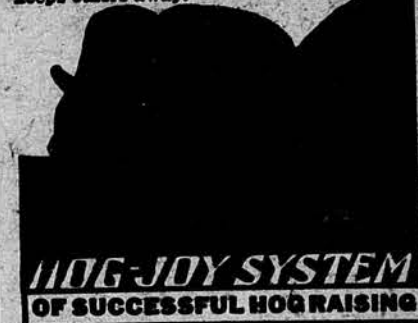
I'll Rid Your Hogs of Lice FREE

Are your hogs lousy? Do they rub and scratch all the time? Are they thin and restless, with coarse hair and rough skin?

Just write me and I'll clean up those lice without its costing you one cent. I'll send you a Hog-Joy Oiler with a six months' supply of Hog-Joy Oil. You just put it in your hog pen—and watch those suffering hogs go to it.

30 DAYS FREE TRIAL Kills Every Louse

They will rub that wonderful vermin-killing oil all over their bodies. And every last louse and nit on them will be gone long before the 30 days. Then, if you don't want to keep the machine, just send it back. But you will want to keep it, for it not only kills the lice but keeps others away.



10,000 Hog-Joy Oilers now in successful use. The only hog-oiler that cannot clog up, get out of order or waste the oil. Works as well in winter as in summer. Five cents will keep a hog healthy and free from lice a whole year. Hog-Joy Oil keeps the skin soft and healthy and makes the coat fine and thick. Write today for my offer to rid your hogs of lice absolutely free.

MAIL THIS NOW!

H. L. IDE, President Hog-Joy Co.
427 N. Fifth St., Springfield, Ill.

Please send me details of your offer to rid my hogs of lice free. This does not obligate me.

Name.....

Town.....

R. F. D. State.....

"Hog-Joy Hogs Grow Fast"

SAVE-THE-HORSE Book Free

R. F. D. Carriers Praise It

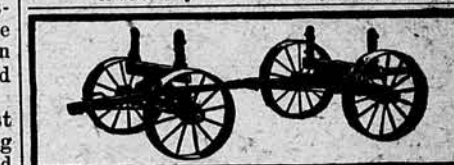
W. N. Roberts, Matthews, Mo., writes: "I drive on R. F. D. A little over a year ago a half bottle cured a bone spavin on an old horse. I can't tell that there was ever anything the matter with him."

J. C. Fagen, R. 4, Glencoe, Minn., writes: "Now I would not sell for \$200. My horse was kicked on joint of hind leg; it got as large as a man's head. I treated for some time without any change, then got a bottle of Save-The-Horse, and in two weeks no one can tell it ever had been injured."

WE ORIGINATED the plan of treating horses under Signed Contract-Bond to Return Money if Remedy fails on Ringbone—Thoropin—SPAVIN—or ANY—Shoulder, Knee, Ankle, Hoof or Tendon disease.

Our Charges for Treatment ARE MODERATE. BUT WRITE and we will send our "SAVE-THE-HORSE BOOK"—It is the Quint-Essence and last word of UP-TO-DATE knowledge and practice on ALL LAMENESS. This BOOK, Sample Contract and ADDRESS—ALL FREE (to Horse Owners and Managers—Only). Address

TROY CHEMICAL CO., 15 Commerce Ave., Binghamton, N. Y. Druggists Everywhere sell Save-The-Horse with CONTRACT, or we send by Parcel Post or Express paid.



Low Steel Wheels Save Work and Money

Put them on your old running gear or get a complete Low Steel Wheel Handy Wagon.

ELECTRIC

Steel Wheels and handy wagons save high lifts, prevent rutting fields and roads, are 30 to 50% lighter draft, not affected by heat or cold, spokes and rims never loosen. Write now for illustrated free book. Address

ELECTRIC WHEEL CO.
30 Elm St., Quincy, Ill.

Get This FREE Book



\$12.00 Sweep Feed Grader. \$14.00 Galvanized Steel Wind Mill. We manufacture all sizes and styles. It will pay you to investigate. Write for catalog and price list.

CURRIE WIND MILL CO., Seventh St., Topeka, Kansas

\$5 Outfit FREE This Offer For January Only



Corn Grader Free My Corn Grader that fits for your drop planter, now goes free with my Chatham Machine. Formerly it sold for \$5.00 extra.

Wild Oat Separator Free

My new Wild Oat Separator can be had free in place of the Corn Grader Apparatus. FREE, remember, with any Chatham. New Gang takes out every Wild Oat—from wheat, barley and flax—gets them—EVERYONE.

I announce for the next 30 days absolutely the lowest prices and most liberal terms ever known. This Offer Extraordinary is made possible only through tremendously increased sales and consequent reduction in factory costs.

Reduced Prices The total cost of my Chatham Grain Grader and Cleaner with all equipment and attachments is almost \$10.00 less than a year ago. That's an astounding saving on a machine of this kind.

Liberal Credit

I now sell for cash or on long time credit, requiring no security except your personal promise. You can wait till next October to pay, if you wish.

Free Trial I now ship on wide open free trial, no matter where you live—no money down, deposit—no return or provision to pay until you have had a full month's home test and have decided you want to keep the machine.



Write The office is open and I reserve the right to withdraw it in 30 days. If you want to save, write at it at 407 1/2 N. 1st St., Chicago, Ill.

The Chatham Company
Dept. 47
Chicago, Illinois
Kansas City, Missouri
Minneapolis, Minnesota

Chatham Grain Grader and Cleaner, with 1915 equipment, handles practically every grain and Grass Seed grown on American Farms.

WHEAT & RYE
Removes Wild Oats, Chaff, Cockle, Wild Buckwheat, etc., from ALL kinds of wheat. Grades all varieties; excels hand picking.

OATS
Removes mustard, kale, wild peas, quack grass, cockle and other ordinary weeds. Blasts straw joints, chaff, thistle buds. Separates timothy, wheat, vetch. Grades out twin oats, pin oats, hull-oats. Makes perfect grade for drill.

BARLEY
Brewers and seed grade free of Wild Oats and Mustard or any other weed.

BEANS & PEAS
Cleans, grades and removes splits and defectives from 18 varieties, including cow peas.

CORN
Blasts cobs, chaff, silks. Removes broken grains, shoe pegs, tips, butts and uneven kernels; grades flat, even grains for 90% perfect drop.

CLOVER
Removes buckhorn and 60 other weeds without waste.

TIMOTHY
Removes plantain, pepper grass and 50 other weeds. Saves volunteer timothy from oats and wheat.

ALFALFA & FLAX
Removes dodder and foxtail; heads, stems, shivers wild oats, mustard, barnyard grass, false flax, brown wheat. Blasts out shrunken, frozen or droughted seed.

Backed by my Free Service Dept. (extra screens and sieves free) I guarantee you can do all these things.

A New Rule For Counties

Secretary Houston Says That Definite Authority In the Hands Of Experts Is Needed For Efficiency In Local Government

"COMMISSION government for the counties, the abolition of the old style of county management, is one of the most important problems before the American people. Definite authority, delegated to experts, directly responsible to the people is needed for the efficient and economical administration of our local affairs.

"I would like to see established a department of some kind for the study of rural economics, the things right under our noses. As far as I know there is not a college nor university, except Harvard, that is studying the problem of efficient, economical and responsible rural and local government."

That is the opinion of David F. Houston, secretary of the United States Department of Agriculture, expressed while in Topeka last week. Secretary Houston is the first secretary of agriculture to visit Kansas in his official capacity. While in Kansas he delivered an address before the Kansas State Board of Agriculture and visited the Kansas State Agricultural college.

For More Efficiency.

"I am very glad that Kansas is studying the question of efficiency in government so closely," Secretary Houston continued. "Better results are needed. If I were to organize a government for a rural community the first thing I would provide for would be a county superintendent. I would give him an adequate salary and money for traveling

directly responsible for a certain duty and responsible to the people. The recall will make him walk straight. Let the commissioners appoint subordinates to be chief of their departments and make these subordinates directly responsible to the chief. All other employees would be under the merit system.

"The great trouble with our local governments now is diffused responsibility in every department. Make the local government directly responsible to the people so that everyone will know just who to put his finger on for any dereliction. Have a system of county audits that will tell something, so the people will know how much money has been collected, what every dollar was spent for and what was received for it.

"In our schools and colleges we study all about the economic and governmental systems of Greece and Rome and the Middle Ages and learn about our state government and all about the foreign governments, but not a word about the government right under our noses, the one we are closest to, that most directly affects us. There is little or no study of the efficiency of local governments under which we live. I would like to see something done to start the economists after solutions of the problem of local governments."

Crop Values Are High

The value of all crop production in 1914 was slightly less than in 1913, on account of the reduced value of the cotton crop, despite the high values of the corn and wheat crops, which gained less than the cotton crop loses. The estimated value at the farm of all crops for which the census of 1910 reported values reached the great total of \$6,044,480,000, which is \$88,279,000 below the total for 1913. Except for 1913, the total crop value of 1914 was 200 million dollars above the highest total heretofore reached, which was in the great production year of 1912.

On the other hand, the estimated value of the animal products of the farm in 1914 was distinctly higher than in 1913, which was itself a record year in the value of this class of products. This was due to general but slight increases in production, except for sheep and swine, and in prices, more especially to a small increase in the average farm price of eggs, and to a more considerable increase in the farm price of cattle and calves sold and slaughtered.

The total estimated value of the animal products of the farm and of the farm animals sold and slaughtered in 1914 was placed at \$3,828,456,000. This amount was 38.8 per cent of the value of all farm products, a fraction of the total that has not been equaled as far back as estimates go, to 1897, except for the year 1910, when the percentage was 39.3.

The grand total value of all crops, farm animal products and farm animals sold and slaughtered in 1914, according to the detailed estimates that have been made, is \$9,872,936,000. This amount was 83 million dollars above the grand total for 1913, which was itself greatly above the highest total previously reached.

Mare Has Large Swelling

I have a mare that has a hard swelling, about the size of a large dish pan, on her stomach. She eats well, and has done little work since last summer. She raised a fine healthy colt last year. It was weaned about a month ago. The swelling was first noticed about six weeks ago. What do you think is the matter, and what can be done for the animal?
Caldwell, Kan.

Your description of the swelling on your mare is rather indefinite in that you give no symptoms of the nature of the condition, neither do you give its location, as the term "stomach" so frequently includes any portion of the region of the abdomen. Your mare may have a rupture or it may be simply an abscess. The former would require a surgical treatment of a very technical character, while the latter would simply require opening or lancing followed by daily antiseptic washings.

Dr. R. R. Dykstra.
Kansas State Agricultural College.

160 ACRE FARMS IN WESTERN CANADA FREE

WAITING FOR YOU

Yes, waiting for every farmer or farmer's son—any industrious American who is anxious to establish for himself a happy home and prosperity. Canada's hearty invitation this year is more attractive than ever. Wheat is higher but her farm land just as cheap and in the provinces of Manitoba, Saskatchewan and Alberta

160 Acre Homesteads are Actually Free to Settlers and Other Land at From \$15 to \$20 per Acre

The people of European countries as well as the American continent must be fed—thus an even greater demand for Canadian Wheat will keep up the price. Any farmer who can buy land at \$15.00 to \$20.00 per acre—get a dollar for wheat and raise 20 to 45 bushels to the acre is bound to make money—that's what you can expect in Western Canada. Wonderful yields also of Oats, Barley and Flax. Mixed Farming is fully as profitable an industry as grain raising. The excellent grasses full of nutrition, are the only food required either for beef or dairy purposes. Good schools, markets convenient, climate excellent. Military service is not compulsory in Canada but there is an unusual demand for farm labor to replace the many young men who have volunteered for service in the war. Write for literature and particulars as to reduced railway rates to Superintendent Immigration, Ottawa, Canada, or to

GEO. A. COOK,
125 W. 9th Street, Kansas City, Missouri.
Canadian Government Agent.

New KEROSENE LIGHT BEATS ELECTRIC OR GASOLINE

10 Days FREE—Send No Money

We don't ask you to pay us a cent until you have used this wonderful modern light in your own home ten days, then you may return it at our expense if not perfectly satisfied. You can't possibly lose a cent. We want to prove to you that it makes an ordinary oil lamp look like a candle, beats electric, gasoline or acetylene. Lights and is put out like old oil lamp. Tests at 14 leading Universities show that it

Burns 50 Hours on One Gallon
common coal oil (kerosene), no odor, smoke or noise, simple, clean, won't explode. Three million people already enjoying this powerful, white, steady light, nearest to sunlight. Guaranteed.

\$1,000.00 Reward
will be given to the person who shows us an oil lamp equal to the new Aladdin in every way (details of offer given in our circular). Would we dare make such a challenge if there were the slightest doubt as to the merits of the Aladdin? **GET ONE FREE.** We want one user in each locality to whom we can refer customers. To that person we have a special introductory offer to make, under which one lamp is given free. Write quick for our 10-Day Absolutely Free Trial Proposition and learn how to get one free.

MANTLE LAMP COMPANY, 655 Aladdin Building, Chicago, Ill.
Largest Manufacturers and Distributors of Kerosene Mantle Lamps in the World

Do Your Own Mending

WITH A SET OF THE "ALWAYS READY" COBBLER'S TOOLS

This handy shoe repair outfit was made especially for home use. With the aid of these tools you can easily do any kind of shoe repairing at a great saving of time and expense. The outfit comes securely packed in a box and consists of the following: Iron stand for lasts; one each 9 in., 7 1/2 in., 5 1/2 in. lasts; shoe hammer; shoe knife; peg awl; sewing awl; stitching awl; one package of heel nails; one package of clinch nails; and full directions. A most complete and serviceable outfit which will always give satisfaction.

OUR OFFER: This cobbler's outfit may be had free all mailing charges prepaid by sending a one-year subscription to Mail and Breeze at \$1.00 and 25 cents to help pay packing and mailing charges—\$1.25 in all. Either new or renewal subscriptions will be accepted. Send in your subscription and remittance at once to

FARMERS MAIL AND BREEZE
Dept. C. O. 10. Topeka, Kansas.

Better Farming Was Urged

A Good Attendance Was a Feature of the Meetings of the Kansas State Board of Agriculture

A LARGER number of farmers than usual came to Topeka last week for the meetings of the Kansas state board of agriculture. There were many distinguished speakers, including D. F. Houston, secretary of the United States Department of Agriculture. The development of a permanent and more profitable agriculture was the central theme of all the addresses.

H. J. Waters spoke at the first meeting on "The Farmers of the Orient." In this address he called attention to the fact that the man yield and not the acre yield is the most important thing in the developing of a satisfactory rural life. He believes that every reasonable effort should be made to increase the production from the farms of the Middle West, but that the very small farms are not practicable.

Clyde Corbet of Valencia spoke on "Why I Stay on the Farm." Mr. Corbet is a college graduate who went back to the farm after having considerable experience with city life, because he likes country life. He said in part:

"If the farmers who wish their boys to stay on the farm would, at the earliest reasonable period of the youths' lives, grant them in honest agreement a fair proportion of their farms' earnings, they could prevent the worry and fear that the boys would be attracted to the city. Give the boy something to work for; something to possess; something to be wholly his. Don't lead him to believe a pig, a calf, a colt is his and then after he has carefully tended it until ready for market, sell it and keep the profits yourselves, and then to ease your own conscience a bit, give the disappointed lad a smaller animal. This is not just. Rather give him every cent of the market price and aid him in the wise reinvestment in more or better livestock—for no farming is complete without livestock."

"So in the last seven years I have to show for my labor on the farm a good creek bottom quarter section and the equipment for operating it on which I hope to make final payments within the next two years. In addition, I have the cattle I am handling for myself."

There is no permanent system of agriculture that does not include the handling of livestock, according to G. E. Thompson of the Kansas State Agricultural college. He spoke before the members of the state board of agriculture with particular reference to western Kansas.

"The most successful farmers in any country," he said, "are those who grow the crops adapted to the soil and climate and then convert them into the highest priced product possible before turning them on the market."

"The average farm in western Kansas can increase its income by growing some well adapted grain for sale for seed purposes. And wheat must not be neglected, for Kansas has excelled all other states in growing that crop. I realize that it is difficult to talk dairy farming or diversified farming to a man who rides in an automobile because of the wheat that he has sold. Yet it is an established fact that wheat growing has caused more farmers in the western third of the state to go broke than it has made rich."

Secretary Houston spoke on "What the Department Is Doing for American Agriculture." He took an optimistic view of the future of farming and strongly urged the enactment of rural credits legislation.

"More helpful agencies are operating on rural life today," declared Secretary Houston, "than ever before in the history of the nation. The American farmer need not fear the competition of the world. He will inevitably control the home market except for things which cannot be produced here, and will be called upon increasingly to supply the demands of foreign nations."

Declaring that he strongly favored both federal and rural credits legislation, Secretary Houston said:

"I favor a federal land-mortgage banking system for long time loans on the amortization principle operating through private funds, and I favor legislation, especially by the states, and if possible also by the federal government,

stimulating and encouraging personal co-operative credit unions.

"I do not favor intervention by the federal government or the state to the extent of voting money out of the treasury or of using the credit of state or federal government to support either system, which would mean in effect, to take money contributed to our fundamental governmental principles. Such aid or subsidy is neither necessary nor desirable."

There will be more or less of a beef "famine" in this country in the next few years, according to W. A. Cochel, who delivered an address on "Will the Production of Beef in Kansas Be Increased?"

"Present conditions indicate that during the next few years the demand for beef will be the greatest and the supply of beef the smallest that history has ever recorded," said Prof. Cochel. "The ever advancing cost of production intensified by drouths, disease, war, financial conditions, and the readjustment of tariffs, has depleted the supply of cattle not only in the United States but in every meat producing country in the world."

"During 1914 Kansas marketed livestock valued at 78 million dollars on the Kansas City market alone; an aggregate amount of wealth greater than that represented by all the wheat, corn, kafir, oats, barley and rye received on the same market during the same period. Yet 1914 was an off year in regard to the number of livestock marketed."

"Ten years ago the farmers of Kansas owned 2,757,542 cattle, other than milk cows, as compared with 1,430,150 in 1914, a decrease of approximately 50 per cent."

Better methods of corn growing were urged by S. G. Trent of Hiawatha. In speaking of the factors that enter into increasing the average yields, Mr. Trent said:

"First of all your land must be fit for corn. If it stands under water a part of the time, or has been corned and corned until it is worn out, you cannot expect to raise a strong healthy crop. No matter what kind of seed you plant, your efforts are wasted unless you have good land. If you have low, wet land, it should be tilled or ditched, or kept in grass. Thin land should be sown to clover or other enriching plants for at least three years, and then when it is enriched again, plant it in corn for two or three years."

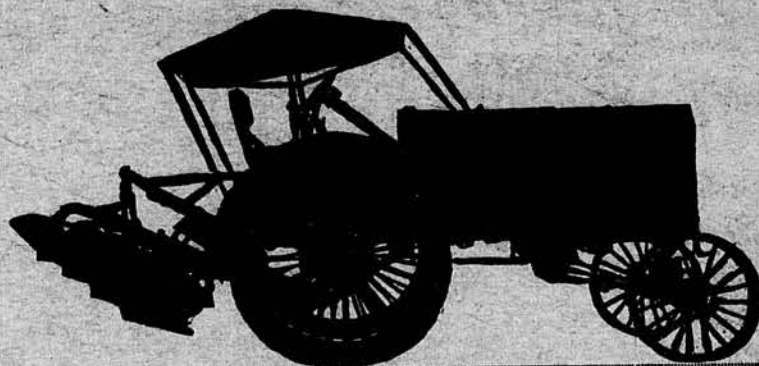
"Do not use it more than this time if you expect to get a good corn crop from it. If you follow this advice, in ten years your land will be as good or better than when you commenced, and you will get good crops of corn and the hay besides. There will be material increase in your yield until the thousands of acres 'corned to death' land has been enriched; however, our farmers are wide awake and with our modern up-to-date farm papers this soil enriching movement has been started and has already shown good results."

"Every farmer should use purebred seed. In 1904 I sent to Illinois for a bushel of purebred seed. This one bushel of purebred seed corn was the best investment I ever made, as I have won first prize at the Kansas state show for seven successive years, and also produced a yield of 117 bushels."

"By using purebred, tested seed the average yield can be increased from 10 to 25 bushels an acre."

E. E. Frizell of Larned was elected as a member of the board of managers for the Kansas State Fair at Hutchinson to succeed F. D. Coburn. O. O. Wolf of Ottawa was re-elected to the fair board, and all of the officers of the Agricultural society were re-elected.

The officers are: George B. Ross, Sterling, president; A. W. Smith, McPherson, vice president; J. T. Tredway, LaHarpe, treasurer. The following members of the executive board, whose terms expired, were re-elected: Charles E. Sutton, Lawrence; I. L. Diesem, Garden City; O. O. Wolf, Ottawa, and H. S. Thompson, Sylvia. H. W. Avery of Wakefield was elected a member of the board to fill the vacancy caused by the death of James N. Fike of Colby. The other officials and members, including Secretary J. C. Mohler, hold over.



A Great Combination

The Tractor is the Big Four with twenty H. P. at the drawbar. The plow is the Emerson attached directly to the Big Four "20."

WHEN you get a Big Four Tractor, you get the steadiest, most dependable power in the world.

When you get an Emerson Plow, you get the best plow on earth for any and all conditions.

We have combined the two, and added the power hoist. The Big Four motor raises and lowers the plows with one touch of your foot, whether tractor is moving or standing still.

When plows are raised they are out of the way of everything, and when they are lowered they are adjustable to the depth you wish to plow.

Don't waste room and time in turning. Back up and plow out the corners.

When the tractor is to be used for other work than plowing, the plows may be quickly detached.

The Big Four "20" has three speeds forward and reverse—burns gasoline or kerosene—is adapted to practically all soil conditions. Handles readily harrows, disks, pulverizers, drills, mowers, etc.—and all belt work.

A Size of Tractor for Every Farm

Emerson Model "L"	Big Four "20"	Big Four "30"	Big Four "45"
4 Cyl. 2-Speed	4 Cyl. 3-Speed	4 Cyl. 3-Speed	6 Cyl. 3-Speed

Write today for Free colored pictures, description and names of users of Big Four "20."

Emerson-Brantingham Implement Co. (Inc.)

Good Farm Machinery . . . Established 1852

391 W. Iron Street

Rockford, Illinois, U. S. A.

"It Throws and Blows" Pneumatic Papec-Ensilage Cutter

The Power Saver

—The Papec throws the ensilage 15 to 20 feet—then a powerful air blast strikes it and carries it to the top of any silo. Six fans, instead of the usual four, cause a steady, fast stream of ensilage. The Papec saves a great deal of power and is especially adapted for use with the ordinary farm engine. Capacities 3 to 30 tons per hour for engines 4 H. P. and up.

—best by test—and long, hard use. The illustration below shows the Papec Exhibit at the recent Ohio State Fair, Columbus. Notice the height of the pipe—80 feet. The Papec carries the ensilage to this height with ease—with abundant force left over. The machine shown was taken from our regular stock—not specially built. Better investigate the Papec at once and study its construction. Semi-steel, one-piece frame—gear transmission only. Bearings always in perfect alignment. Knives always shear with perfect clearance. Easy to set up and take down—only the pipe need be put up or removed. Convenient to operate and adjust. Built to last. Economical of power, fuel, time, labor.

Write for FREE "PAPEC" BOOK

There's a whole lot in it about ensilage cutters that'll interest you—especially the dollars and cents part of it. Better send for your free copy today.

PAPEC Machine Co.
Box 24
Shortsville
N. Y.

DISTRIBUTING POINTS

Portland, Ore.
Kansas City, Mo.
Fond du Lac, Wis.
Indianapolis, Ind.
Toledo, Ohio.
Baltimore, Md.
Utica, N. Y.
Minneapolis, Minn.
Springfield, Ill.
Louisville, Ky.
Columbus, Ohio.
Boston, Mass.
Des Moines, Iowa.
Unadilla, N. Y.
Washington, Pa.
Richmond, Va.
Atlanta, Ga.
Ft. Worth, Texas.
Hartford, Conn.
Denver, Colo.
Grand Rapids, Mich.



"THE WONDERFUL PAPEC"

A Program For the People

Governor Capper's Message to the Legislature Urges Economy, Fewer Boards, Public Welfare, Free Text Books, Sensible Schooling

IF THE good feeling evidenced by every element in the present legislature is an indication of willingness to work in the people's interest then the recommendations contained in Governor Capper's message are certain to have more than the ordinary significance. This is the message:

Gentlemen of the Legislature:

According to custom and the provisions of the Constitution of Kansas, I submit these suggestions and recommendations upon those public matters which seem to me of immediate concern.

You have met to provide for a more expeditious conduct of public business; to make such changes in the statutes as time, experience and ever-changing conditions may indicate are required; to enact such new legislation as the needs of the people demand. I am sure every member of both houses fully appreciates this responsibility. I hope I may be pardoned if in my zeal to do my part, I remind you individually that although you owe a duty to the district which you represent, your higher duty is to all the people of Kansas. The pressure of special interests, the demands of special sections of the state, the needs of friends, all must be subordinated to the good of the people as a whole. We are not here to legislate for any section, nor for any political party, but for the whole state, and "log rolling" and "swapping votes" and "playing politics" must have no place in our program. Nor should our time be frittered away in unimportant local legislation in which the great body of the people have no interest. We must be sure that our appropriation bills are free from the taint of the "pork barrel." I urge both houses to adopt the rule that no member of the legislature from a district in which there is a state institution shall be made a member of the ways and means committee.

Kansas is ripe for a constructive legislative program. The state is happily free from bitter partisan strife; no one question of overshadowing importance divides us. We have an exceptional opportunity of giving to the problems which shall come before us, the unbiased and non-partisan deliberation which should precede all legislation; of studying the needs of the state; of investigating the evils and abuses of our political system; of weighing the new demands of a new age; of giving the people of Kansas our most honest and conscientious and efficient service.

This does not imply the enactment of a great number of laws. It is recognized that the tendency of our day is toward too much legislation—too many ill-advised, useless, contradictory and ambiguous laws, inevitably the breeders of misunderstanding, strife and litigation. Your effort should be to simplify existing laws and to make every new enactment so simple that the most humble citizen may understand and respect it, so plain and explicit that the most powerful cannot evade it.

ECONOMY THROUGH EFFICIENCY.

Kansas, in common with the other states, has experienced in the last decade an increase in the cost of government and the burdens of taxation, far beyond the increase of population. In twelve years public expenditures have increased 68 per cent in the state; 77 per cent in the county; 153 per cent in the city; 119 per cent in the township; 132 per cent for schools. While most of this increase has been for local purposes (the state taxes being only \$3,371,998 out of a total of \$29,483,883 for the last tax year), the state should set an example of economy. It should keep down appropriations to the very limit consistent with imperative demands. This is simply exercising the prudence that business men generally are practicing at this time. The increase in state expenditures is due partly to the enlarged functions of government, made necessary by new industrial conditions; by the establishing of new and needed state institutions; and by the increased cost of the necessities of life in the markets of the world. But a belief is growing in Kansas, as elsewhere, that the business methods of the state and county governments have not kept step with the best methods of the day; that they are neither the most efficient nor the most economical. Kansas must rearrange and readjust its entire system of administration on a more scientific basis. Needless duplication of effort must be eliminated, responsibility be concentrated and different departments be co-ordinated. To do this, in my opinion, cannot fail to increase efficiency and to diminish cost—to give the people much better service for less money.

In recent years the state has devoted much energy to regulating private or semi-public business, with beneficial results. It should now reorganize and regulate its own business.

EFFICIENCY AND ECONOMY COMMITTEE.

I recommend and urge upon the legislature that it appoint immediately a joint committee on efficiency and economy. After a thorough analysis of the present organization of the

state, county and township governments in Kansas, a study of what other states—notably Minnesota and Iowa—are doing to increase and concentrate the responsibility of officials, to make their responsibility to the people more direct and to produce greater unity of action among the different departments of government. I hope this committee will present for the consideration of the legislature at this session, a plan of reorganization which shall abolish needless offices, boards and commissions, concentrate and center responsibilities, eliminate duplication of authority and reduce the public business to a compact and smoothly-working unit. This legislature has many members with wide experience in public affairs. I am convinced they can devise a plan in keeping with modern business systems, which ultimately will not only save money for the taxpayers of the state, but will greatly increase and strengthen the efficiency of our government, bring men of highest grade and greatest ability into the public service and relieve the public of the annoyance, expense and delay of unnecessary red tape.

The committee should have the power to call to its aid such expert advice as it may require, and should invite the suggestions of business men and other citizens.

COMBINE OR ABOLISH BOARDS.

I have no wish to define the scope of this committee's work, but I do desire to suggest that in my opinion the consolidating of many state boards, commissions and offices can be effected with improvement rather than detriment to the public business.

The state inspection system should be overhauled thoroughly. Recently, the state auditor learned that six different state inspectors had been in the same little town on the same day, doing work that one inspector probably could have done equally well.

The state board of irrigation should be immediately abolished. It is an absolute waste of the state's money to continue its existence. The work can easily be done by the present staff of the Agricultural college.

The judicial districts of the state may be reduced greatly in number without impairing the service of the courts or increasing the law's delay.

The board of corrections can be abolished and its duties performed by the board of control.

The offices of hotel commissioner, two members of the state bar board, and oil inspector can all be abolished and their work done by existing employees in other departments.

Several state offices, the duties of which are purely administrative or clerical, such as the superintendent of insurance, state printer, superintendent of public instruction, and possibly others, should, I believe, be made appointive instead of elective, in the interest of concentrating responsibility.

County government can be simplified greatly by reorganizing and consolidating some of the offices, making others appointive and reducing salaries in keeping with the salaries paid by private business for the performance of similar duties.

I do not consider a constitutional convention necessary to accomplish these reforms. Most of these changes can be made under our present constitution; where they cannot, an amendment should be submitted to the people reducing the number of elective state offices and providing for four-year terms with the power of recall at any time.

A MERIT SYSTEM.

Any plan of administration which contemplates a concentrating of responsibility is open to the dangers which follow the creating of a bureaucracy. But these dangers may be avoided by strengthening the merit system and extending it to all branches of state and county government. We now have a civil service law applying to a few state institutions; but the weakness of this law is apparent when we see how recklessly it has been disregarded and violated. We will never attain an efficient nor economical government until offices large and small are removed from the hands of spoilsmen. I urge the enactment of a civil service law so explicit and so strong that no partisan official will dare evade it, basing all rewards, promotion and salaries solely on merit, on loyalty and industry in the public service.

STRONGER RURAL SCHOOLS.

Only 5 per cent of the boys and girls of Kansas ever go to college. For the 95 per cent whose only means of schooling is the district or the city school, we must provide what we are not now providing, an education that will better fit them for the struggle of life. We have nothing more important to consider than the teaching, the courses of study and the welfare of these primary schools and high schools. And it is vastly important that the farmer's children be as well provided for as the children of the towns and cities. We spend more than a million dollars a year on our colleges and university, and it is money well spent; but we must have education that fits not the few but the many for the business of life. Absolute thoroughness in the common, fundamental branches is necessary. A

boy or girl who has gone through the eight grades should possess a complete, practical education and should have received special training in some specific line of work, fitting him or her to earn a livelihood. Vocational work should be done in all the schools beginning with the fifth grade. Wherever conditions favor it, the establishing of a consolidated school or of a township high school is worthy of much consideration. We should provide for and encourage a wider use of school plants, making of them educational and social centers for all the people throughout the year.

I believe that the office of state superintendent of public instruction, as well as that of county superintendent, should be removed entirely from politics.

An institution which supplements the work of the public schools and reaches every remote farm house in the state is the Kansas Traveling Library. In the last two years it has sent out a total of 61,250 books, reaching, it is estimated, 300,000 persons. I recommend that ample funds for a continuation of its good work be provided.

FREE TEXT BOOKS FOR SCHOOLS.

All school books should be supplied to the children of Kansas free of cost. I recommend compulsory district and municipal ownership of such books. Twenty-one states now follow this plan successfully. I also favor a law properly safeguarded, providing for the use of supplementary books.

I am convinced the state can publish the text books needed for use in the common schools at a material saving to the people. During the last two years the state printing plant has been enlarged with this purpose in view. So far only three books have been issued. It is, of course, physically impossible for the state to undertake, during the next two years, the publishing of all the books to be required in the public schools of all grades. I therefore recommend that an appropriation be made sufficient to print such books within the present capacity of the printing plant, as, in the judgment of the school book commission, are most immediately needed.

RURAL CREDIT ASSOCIATIONS.

Farming is our biggest business in Kansas. Our prosperity, our progress, our very existence depend on it. It is a business in great need of financial relief. The farmers of Kansas are sorely in need of a credit system meeting their special requirements, that they may more readily obtain money on short or long time for their farming operations, or that they may become owners of farms. Our present system of credit is based on business as conducted in cities, where capital is turned quickly. In New York, Ohio and in other states this need has been met by legislation providing for rural loan and savings associations similar to the building and loan associations in the cities. We should make it possible in Kansas for our numerous building and loan associations to extend their services to farmers under a law which also will encourage and permit rural communities to organize cooperative loan associations to be under the supervision of the state banking department. New York state has a very comprehensive law of this kind.

CO-OPERATIVE SOCIETIES.

The necessity for a better organized farm industry in the United States is now generally regarded as urgent. Kansas has no adequate law encouraging and providing for the formation and conduct of farmer co-operative societies such as exists in the states of Wisconsin, Minnesota, Nebraska and Iowa. As we live in one of the foremost agricultural states, we should not be backward in providing every condition which will aid our greatest industry.

ABOLISH NOMINATING PETITIONS.

Several amendments should be made to the primary and general election laws to improve them, but such changes must in no way interfere with a full and free expression of the people's choice in naming the candidates to be voted on at general elections. The direct primary law of Kansas has become a part of our political system and our efforts should be to simplify it, to render it more direct, rather than to weaken or discredit it.

I suggest the law be modified to eliminate nomination petitions, substituting therefor a small entrance fee. The names of judicial candidates at the primary should be printed upon each party ballot and not upon a separate ballot, that there may be a fuller expression of choice. Campaign expenditures should be limited to a reasonable sum commensurate with the salary of the office, so that a poor man may have the same opportunity as a rich man. Smoking in polling places should be prohibited. Two sets of judges and clerks of election should be provided for every congested precinct.

IMPROVEMENT OF ROADS.

I am unreservedly in favor of the improvement of public highways. The framers of our constitution conferred this work on the counties. Until the people, by amendment, change the constitution, I urge that the counties co-operate with one another, that future road work be more uniform and done in such a way that it will result in connected and continuous highways. I recommend such amendments be made to the present law.

We have found the best and cheapest road in Kansas is the dragged road. When the work is done at the right time the expense and labor of keeping it up is small. A well-organized drag system will do more to give any Kan-

sas county fine roads, than the expenditure of a much greater amount of money in building and maintaining a single highway. The highways will come, but good community roads are our first need.

WELCOME EUROPE'S WORKERS.

Following the war in Europe a large increase of European immigration to the United States is to be expected, of which the largest part is and always has been made up of men skilled in farming. The farming interests of the United States may then obtain the better class of these immigrants, provided measures are taken to attract them before they are dispersed to the manufacturing districts, for which they are poorly fitted. These emigrants will come here with their faith in American ideals made stronger than ever by the failure of the European system of government and diplomacy. They are a high type of farm workers. Kansas needs just such trained farm hands and farm tenants, and it will be wise to prepare to obtain our share of the most desirable of these emigrants. This can be done by attaching to one of the existing bureaus or departments of state an immigration agency that will keep in touch with the demand for such labor in the state and will supply printed matter, setting forth the attractions and opportunities Kansas has to offer to the farm workers of Europe.

ABOLISH THE FEE SYSTEM.

The fee system of compensation for public services opens the way to abuses which are almost universally condemned. While fees as compensation have been abolished in connection with most public offices, the system still remains in connection with certain state and county offices. I urge the enacting of a law which will abolish the fee system in state and county governments, as now conducted, and specifically providing that all fees of whatsoever nature collected by public officials or employees shall be paid into the general revenue fund.

CHECK UP COUNTY OFFICIALS.

Our present system of handling county funds is loose, slipshod and utterly unbusiness-like. I recommend a law requiring the county clerk or county auditor to check all county officials at frequent intervals, to check out all outgoing officials and to check in all incoming officials. This is not provided for in our present system of county government.

The states of Ohio and Indiana save a large sum of money annually by their system of uniform accounting in all county offices. I recommend that the State Auditor be charged with the duty of prescribing and installing a uniform system of bookkeeping in all counties of Kansas with as little delay as possible.

CHANGE IN BANKING LAWS.

In view of the radical changes recently made in our national currency and banking system by the establishing of the federal reserve banks, I recommend that our state banking laws be so amended as to enable any state bank which so desires to avail itself of the provisions of the new federal law.

KEEP FAITH WITH THE PEOPLE.

I particularly urge that the ways and means committees of each house report the appropriation bills at the earliest practical day, so that they may have careful consideration before the rush of the closing sessions.

I recommend the adopting of the initiative and referendum; an amendment to the utility commission law prohibiting the use of free railroad passes by members and employees of the commission; the enacting of a presidential primary law; an amendment to the constitution to provide for a verdict in civil cases by three-fourths of the members of a jury; and the strengthening of the "Blue Sky" law, so that there may be no question of its constitutionality.

The attention of the legislature is directed to the disgraceful condition of the state house grounds and to the lack of a proper system of lighting for the grounds and the capitol itself.

In conclusion I wish to emphasize again the urgent necessity for a policy of strict economy. The suggestions and recommendations I have made do not in any instance call for the creation of new offices nor new boards and commissions; but provide for reducing the number of public officials and increasing the duties and responsibilities of all in the public service. I earnestly appeal to the members of both branches of the legislature to lay aside partisan politics; to show the people that we are not here to make political capital nor campaign thunder; but as true patriots conscientiously to consider every question which comes before us on its true merits in behalf of the best interests of Kansas. I believe this legislature will keep faith with the people. Respectfully submitted,

ARTHUR CAPPER, Governor.

Don't become too intimate with your friend; there may be a rupture some day.

The home of Thomas Carlyle, at Chelsea, London, has been turned into a memorial museum.

Hens are much like people after all. In order to do efficient work they must have sanitary quarters, good food, and keep regular hours. Hens are easier to manage than people, though, because they always are glad to co-operate with you if you give them a chance.

Why Not Be a Farm Engineer?

The Kansas State Agricultural College Features Mechanics
Certain to Be Useful on a Homestead

ENGINEERING is a vital part of the work of the Kansas State Agricultural college. An effort is being made to feature the training in agricultural engineering, and a special four-year course along this line has been provided. Four 10-weeks' short courses in mechanics are offered during the winter term. These are cement and concrete construction, shop work, road building, irrigation and drainage, and steam and gas traction engines.

All of this special training is offered in addition to the regular four-year professional courses in architecture, civil engineering, electrical engineering and mechanical engineering. More than 300 students are enrolled in the regular professional courses that lead to engineering degrees. All students, even including the girls, get some instruction in the engineering department. More than 2,500 students were enrolled last year in this section.

Helpful Service.

The engineering department, under the direction of A. A. Potter, the dean, has built up an efficient system of helpful service. The special aim is to strengthen the students in any way in which they are weak. In addition to the usual records kept in regard to the grades and

problems of agriculture and engineering. In addition to the training given the students, a special effort is made to serve the public. Engineering laboratories are provided for the study and testing of materials and machinery of interest to the people of Kansas. Just now complete and elaborate tests are being made on pumping machinery for use in developing the pumping irrigation business in western Kansas. Not a great deal of information is available as to the efficiency of the different types. It has been realized that if irrigation in Kansas is to make the progress it should make this information must be obtained. It is the purpose of the engineering department to get it.

Road Materials Tested.

Tests are being carried on with road making materials, coal, gas, cheaper fuel oils, gas and steam engines, and with many other classes of fuels and machinery. The work of the department is closely connected with the work and life of Kansas people.

"Practical efficiency is the aim of this department," said Dean Potter. "We give a training here that develops men who can be of great financial value to the farming and mechanical interests



A Class of Engineers in Pattern Making in the Shops of the Kansas State Agricultural College.

the other work of students, complete reports are obtained from every teacher every term in regard to the student's ability, accuracy, appearance, balance, character, co-operation, courage, decision, disposition, earnestness, energy, honesty, initiative, intellect, judgment, leadership, originality, personal appearance, reasonableness, reliability, tact, technical ability and his use of English. If the reports of the teachers indicate that a student is deficient in one or more of these things, as they frequently do indicate, a special effort is made to give him work that will tend to build him up in that line.

After four years of professional work in connection with help of this kind the student is graduated, but even then a careful and up to the minute record is provided. A card index system is kept of every graduate, giving his address, business, rank, salary and all the other information available. From these records it is possible to make good recommendations for the openings in engineering work which are constantly being reported to the department. The most efficient help thus may be given to the students and graduates. A feature of all the work in the engineering department has been that it is practicable—it trains men who are efficiently prepared for their life work.

Farm Engineering.

A special interest has been aroused with the course in farm engineering. It has been realized for many years in Kansas that with the increased recognition of the importance of agriculture, there was an increase in engineering problems connected with the business. This course is designed to give an efficient training to the young men of Kansas who are especially interested in the

of the state. More than this, every effort is made to co-operate with these interests, and to extend real service to them in solving their problems."

A Larger Wheat Acreage

The area sown to winter wheat in the United States last fall was 11.1 per cent more than the revised estimated area sown in the fall of 1913. This is equivalent to an increase of 4,135,000 acres, the indicated total area being 41,263,000 acres.

The condition of the winter wheat crop on December 1 is estimated at 88.3 per cent of a normal, which compares with 97.2 per cent a year ago. In the past ten years the condition on December 1 has averaged 90.3 per cent and the yield of the crops has averaged about 14.4 bushels an acre on the planted area. In the same proportion the condition of 88.3 would forecast a yield of about 14.08 bushels, which, on the estimated acreage planted, amounts to 580 million bushels.

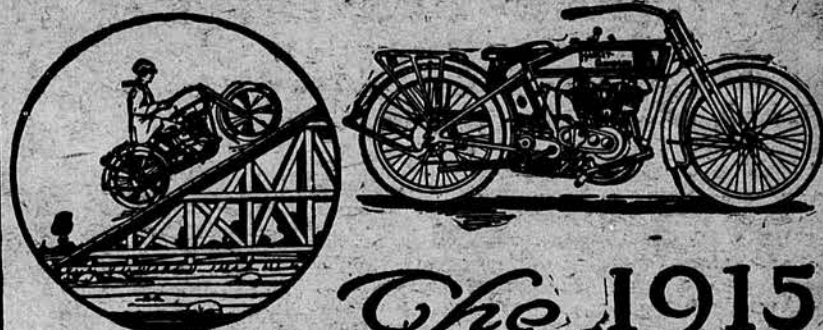
Threshermen To Meet

The Nebraska Brotherhood of Threshermen will meet in Lincoln, Neb., February 16-17-18. Their headquarters will be at the Lincoln hotel. C. H. Gustafson, Mead, Neb., is secretary-treasurer of this organization.

You will be much happier if you don't try to get even with the man who has injured you.

Good care goes as far as good feeding with a horse.

Do not drive a smooth-shod horse on an icy road.



The 1915 Harley-Davidson Three Speed Twin Will Climb a 60% Grade.

THIS powerful machine has taken a Harley-Davidson and sidecar up a 45 per cent grade without a murmur, a grade nearly twice that of the steepest hill to be found in most localities.

The 1915 Harley-Davidson twin motor is guaranteed to develop eleven actual horse power (37 1/2% more than the 1914 Harley-Davidson twin). This exceptional power in conjunction with the new Harley-Davidson three-speed gives the rider more power than he really needs. If the going is rough, sandy, snowy or muddy, he can shift into intermediate gear and run mile after mile without overheating the motor.

These three-speed gears are cut so perfectly that they do not make a

sound. The rider will find the Harley-Davidson transmission as silent in low or intermediate gear as in high gear. It is possible to shift from intermediate to high gear or to slam into low gear, any time, anywhere, without fear of clashing or stripping of gears. This is positively prevented by an ingenious device.

There are many other features which add to the comfort, durability and economy of the 1915 Harley-Davidson, fully described in our catalog which will be sent upon request.

More Dealers for 1915

Additions to the Harley-Davidson factories enable us to add more dealers for 1915. If, as a dealer, you are situated in a locality where we are not represented and feel qualified to represent the Harley-Davidson in keeping with the Harley-Davidson name and reputation, get in touch with us at once.

Harley-Davidson Motor Company

Producers of High Grade Motorcycles for Nearly Fourteen Years
1013 A STREET, MILWAUKEE, WIS., U. S. A.

The Giant Painter Says "It Weathers the Weather"



Lucas Paint stands up against gales, hail, storm, sleet and snows—just 'smiles' at scorching weather. That's why I recommend

Lucas Paint

Purposely Made for Every Purpose

to folks looking for real paint economy. 66 years of paint-making experience back of every can.

FREE Transparent Color Scheme Demonstrator, greatest convenience ever devised for selecting color combinations. Also latest bulletin, "How to Save Money on Paint" and Home Book of Painting Hints. All free on request. Write

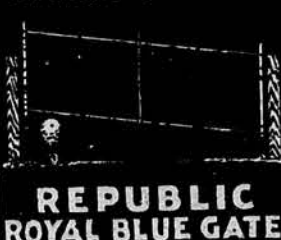
John Lucas & Co. Inc.

Office 80

Philadelphia, Pa.



Breaks all Records for Strength and Convenience



REPUBLIC ROYAL BLUE GATE

It is the gate you want and will buy if you see it. Write for Illustrated Folder. See your Dealer.
REPUBLIC FENCE & GATE CO.,

53 Republic St., North Chicago, Ill.

You want a farm gate that is easy to handle, that will lock itself securely, that is strong enough to resist severe shock, that you can depend upon at all times, day or night, and that will last you a life time.

The Republic Royal Blue Farm Gate is galvanized by our special process of galvanizing which is guaranteed to remain rust-proof longer than any electric galvanizing process now in use.

It combines superior strength with every convenience. High carbon steel frame, end bars "U" shaped, doing away with malleables used on tubular steel raise gates, greatly reducing chances of breakage. Trussed center bar of channel steel resists shock; closely spaced, firmly woven No. 9 wire fabric heavily galvanized; automatic stock proof latch double raising device.

Made and guaranteed by the largest farm gate and wire fence factory in the world.

Growing With the New Year

Life Need Not Be Little Unless We Make It So

BY ALICE ELIZABETH WELLS

"THE sin of the age is littleness," asserted the speaker giving a commencement address. I was listening with all my ears, and laid the thought away for future reference. It came to mind yesterday while reading a letter from a California friend who lives in the San Francisco suburbs. "Are you coming to the exposition next summer?" she asks and then goes on to say: "I should like to go in my old togs; to see and not be seen. California women would, nay do, sell their souls for clothes. It makes me think of the man who was a great worldly success, and who dreamed that he died and went to heaven. He seemed very tiny beside the angel of the Lord who was leading him along. Presently the angel brought him to a certain department and presenting him said: 'Here is a little soul. Oh, yes, he was a full grown man, but he never gave his soul a chance to grow. It is so little we will have to take it to the kindergarten, to give it a chance.'"

You and I may think we are pretty good. We do not lie—except to tell little white affairs, perhaps—we do not steal, swear, attend dances or theatres. We belong to the church. None of our boys have been sent to the reformatory, and our girls are walking straight. Bless your dear souls, have we ever been tempted to practice any of the vices mentioned? Our goodness is negative. The question is, are we growing? That is what we are here for. I'm afraid some of us will have to start in the kindergarten when we find ourselves in another world.

"But," one says, "I never had much chance for an education. My folks were poor and I had to leave school early." We all know that story and a greater mistake never was made. One of the very best men I know regrets that he never had but eight months of schooling. But even "book learning" need not be dependent on schools or teachers. The saying, "The best educated human being is the one who understands most about the life in which he is placed," is true if rightly interpreted. A little book in my library tells me that "man grows with greatness of purpose." It follows, does it not, that lack of purpose produces dwarfs? That same little book affirms: "To take up our situation and our work as given us of God is to make both great. This is the sphere of the highest heroism. Not the size of the task, but the spirit shown in the task, is the measure of the man."

One more quotation: "My daily task, whatever it is, that is what mainly educates me." Growth or education—to me they are synonymous—is not dependent on locality or environment. Lectures, classics, and art museums are not necessarily essentials though great powers for good when accessible. We on our farms and in our rural homes have better than these. Only this morning, "Burst ye emerald gates and bring, to my raptured vision," rang out from the next room at Meadow Lodge. Wondering who was so ardently anticipating the pearly gates of the New Jerusalem I peeked through the portieres and there, bending over a big calla in the bay window, was the singer, pleading with a bulging stem for a peep at hidden treasure. Little things may teach big lessons. David Grayson gives us a whole chapter on the making of an ax handle, and it is interesting reading. Another chapter takes us with him on the hunt for a new-born calf; one reading feels himself growing an inch or two. Emerson has immortalized a mouse trap, and Burns has pictured for all time the field mouse.

We on the farm have unobstructed vision of skies above and field, stream and forest around. We may be monarchs of all we survey and if we do not cultivate big thoughts and develop big souls we have no one but ourselves to blame. Little thoughts are responsible for many



Not the Task But the Spirit Counts.

a back number. Just notice, will you, the next social gathering you attend. You can measure the size of every blessed attendant by the matter of his conversation. Some have little to say unless it is personal, of self or neighbor. Worse than dwarfs, perhaps, are the mentally hump-backed and deformed, made such by selfishness, distrust of fellow creatures, and trickery. "Thoughts are forces," we often hear. We can control our thoughts, and so are responsible for giving our attention to the things which make for normal growth.

Nor need we older ones keep still and let our boys and girls grow away from us because they have better educational advantages than ever were ours. We can deliberately choose to be their companions in study and development, always remembering that growth to be genuine must be from within. It cannot be pasted onto any one satisfactorily. "I would pray about my little finger if I thought there was any danger of its going astray," said a preacher once. And I would say that there are no things too little to have an influence on the making or marring of big characters. Our dress, our food, our work, all must be conscientiously utilized for the improvement of self. Our reading, too, must be chosen for specific helpfulness.

Beware a Hurry-Up Cereal

It is an absolute impossibility to build the fire in the cook stove at 7 and have well cooked breakfast food at 7:30. It can't be done, unless the cereal has been cooked the day before. All prepared cereals are better if cooked for a longer time than the directions on the package indicate. In each grain of oatmeal—or wheat, or whatever your cereal may be—there is considerable indigestible fiber. Unless it has been well cooked this fiber surrounds the food material within, separating it from the digestive juices. As a result the good food material cannot be digested, and the whole thing is waste. Some families will eat oatmeal that has been cooked only 15 or 20 minutes, but it is only a waste of time.

All cereals should be cooked in a double boiler. The woman who hasn't one can quickly make one by putting a pan or pail into a larger pan partly filled with hot water. If the breakfast food has been cooked the day before it may

Do You Use Parcel Post?

IS THERE MONEY IN IT?

The passing of the parcel post law two years ago opened up a new way of selling farm produce. Since then eggs, butter, dressed chickens, turkeys, nuts, and other things have gone through the mails, making the trip quickly from producer to consumer with no middleman to take a hand in the profits. Have any readers of the Mail and Breeze been selling by parcel post? An account of what has been done, the difficulties in the way, how they were overcome, and the profits resulting will be interesting to other people who wish to do likewise.

For each of the three best letters on the subject of marketing by parcel post received before February 10 the Farmers Mail and Breeze will give \$1 in cash. For all other letters published a year's subscription to the Mail and Breeze will be given. Address the Farm Profits Editor, Farmers Mail and Breeze, Topeka, Kan.

be kept from drying by covering the top with a few tablespoonsful of cold water. It should not be stirred when reheating.

Whole or cracked breakfast foods should be used in the proportion of ¼ cup cereal to 1 cup water. To cook these foods thoroughly will require 3 to 12 hours (except rice, which does not require so long.) Flaked foods require ½ cup cereal to 1 cup water, and they should cook ½ to 3 hours. Granular foods, 3 tablespoonsful to 1 cup water, cooked 1 to 4 hours.

Drowning Out the House Plants

Flowers, like people, require fresh air. Ideal conditions of temperature and ventilation for human beings will be found satisfactory for flowers, says M. F. Ahearn, associate professor of horticulture in the Kansas Agricultural college. It won't hurt plants to have a bath occasionally, he says, to remove the dust from the leaves and open up the pores. This can best be done by placing the plant in the sink or a tub and spraying the leaves with water. Or a damp sponge can be used for this purpose, and if necessary, a little soap. If the leaves on your flowers get yellow and drop off it is quite possible you have been overwatering the plants, perhaps drowning them. Sometimes plants need watering every day, and again once in two days is enough. No exact rule can be given. If when the knuckles are wrapped sharply against the pot it gives forth a hollow or ringing sound the plant needs water.

When watering use enough water to moisten the soil to the bottom of the pot. If any water runs through into the saucer or jardiniere, empty it. This water, if allowed to remain there, would cut off the roots' supply of air.

The best time to repot is in the spring, never in the winter. One of the greatest enemies of plants grown indoors is coal gas. The slightest trace of gas will retard the growth of the new leaves.

To have the best of success in raising plants it is necessary to have good soil. A workable soil may be made from loam, sand, and manure, but it will be greatly improved if leaf mold is added.

The best loam for plants is made of well decayed sod taken from a pasture. After the grass has been killed by hard freezes in the fall the sod should be cut 3 or 4 inches deep and placed in a pile, grass side down. For the sake of convenience, make the pile 3 or 4 feet wide and as high and as long as necessary. Hollow out the top to catch the rains. If the year is a dry one, a garden hose may be used to supply the moisture. In the construction of this pile, alternate layers of sod and manure should be used. This compost should be allowed to weather for at least a year, preferably two years, before being used. When ready to be used, it should be chopped and thoroughly mixed with well rotted manure.

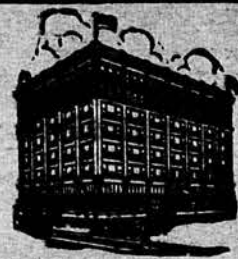
The addition of leaf mold, peat, or muck to this loam makes the potting soil more friable, increases its capacity of holding water, aids the circulation of air through the loam, and induces a better growth of roots.

Mohair Outwears Silk

The average silk petticoat of today is an expensive luxury for the girl of slender or moderate means and too often is but a snare and delusion. In a few times wearing, even with good care, it begins to look frayed and old, and it never lasts over one season. In this day of extreme styles and narrow skirts a good quality of mohair, more commonly called brilliantine, is much more satisfactory and far less expensive than an equally good quality of silk, for ordinary street or house wear. One woman prefers it for general utility and practical service and has a plain little black petticoat with a bias band or fold around the bottom, as only flat trimming is now permissible, to wear with a dark green gown, and a brown one to wear with a brown suit.

When you cook plums or cranberries, you will find less sugar is required if you add a pinch of baking soda before sweetening the fruit. E. B. R. R. 2, Hennessey, Okla.

Oil of peppermint is good to keep mice away. Put it in saucers where mice are known to come. Newman, Ark. Isabella Collins.



All Kinds of Winter Merchandise

Is selling very cheaply in our January Clearance Sale—including women's, girls' and boys' clothing, staple domestics, and house furnishings such as rugs and draperies. If you do not find what you wish in your home stores, take the train and come down to this sale. We will refund your railroad fare according to the amount you purchase.

THE MILLS DRY GOODS CO.
TOPEKA, KANSAS

Don't Miss This Big Bargain Offer in Sweaters!

While they last you can have one of these big, warm, hand-knit sweaters guaranteed to equal usual \$3 values.

For Only \$1.69

Made of mixed wool, same weave as highest priced sweater; collar, roll neck style, can be worn low or rolled up and fastened tight. Cuffs are double-knit. Size: 38-46; colors: maroon, gray, navy blue. Weight: 1½ pounds.

For Men or Women This sweater will keep you perfectly warm on the coldest days. For out-door work they give more warmth and freedom than clumsy overcoats. Do not delay. Send at once. Supply is limited. State size and color. Satisfaction guaranteed or money refunded. Address: Keystone Supply Co., Leavenworth, Pa.

BIGGS Pays Most for FURS

No Commissions Deducted.

There never was a time when more money for you to get every penny for your furs than right now. Biggs pays the highest prices for all kinds of furs. Nothing deducted for extras. Liberal grading, highest market prices. Money sent at once. Fur shipments held separate on request. 25 years' square dealing. Half a million satisfied shippers. Our Free Trappers' Guide, How to Trap, What to Trap, How to Sell, etc., at factory price. FREE! For Price List, Shipping Tags, Catalog and Trappers' Guide. E. H. BIGGS & CO. 622 Fifth St., Kansas City, Mo.

WANTED MEN

\$75. to \$200 a month!

The demand for capable automobile men exceeds the supply. Our graduates are always in demand to fill good positions as Salesmen, Demonstrators, Factory Inspectors, Garage Managers, Repair Men, Ignition Experts and Drivers.

\$50 COURSE FREE

Six weeks from the day you enter this great school you will be able to repair any make of automobile or drive any car on the market. All who enroll now receive \$50 course in Lighting and Tractor Engineering Free. Write today for our big Free Book and the \$50.00 Free Scholarship Certificate.

AUTOMOBILE TRAINING SCHOOL
Largest Auto School in the World
1142 Locust St., Kansas City, Mo.

HIDES TANNED

Send us your Cattle and Horse Hides. We will tan them and make into Beautiful Robes, Fur Coats, Rugs, Mitts, Gloves, Caps, Etc. All work guaranteed.

Pair of Fur Mitts Free with each Fur Coat or Lined Robe. Write for big New Catalog. We also buy Hides, Raw Furs, Wool. Write for price list and shipping tags. TRAPPERS' GUIDE FREE.

LINCOLN HIDE & FUR COMPANY.
1004 Q St., LINCOLN, NEBRASKA.

FUR COAT, \$12.50

We tan the hide and make your coat for only \$12.50. Complete coat (we furnish hide), \$18.00. A square deal, all work guaranteed. We are pioneer tanners of this country of cattle and horse hides for coats, robes, rugs, harness, lace, leather, etc. Write for free booklet of information on handling and shipping hides; also price list.

BAYER TANNING CO.
101 S. W. 9th St., Des Moines, Iowa.

AGENTS—MAKE \$100 to \$300

per month easy selling our new Triplicate Sauce Pan. Cooking utensil for 8 different foods on one burner. 400 Specialties—at wholesale prices. Write quick for exclusive territory and large catalogue. AMERICAN ALUMINUM MFG. CO. Div. S 43 Lemont, Ill.

The suffering of thousands of families this Winter will be stopped if we farmers will begin now, instead of waiting till Spring.

SUPERIOR GRAIN DRILLS

WARRANTY—Castings re-placed **FREE** any time—in one year or 20 years if shown to be defective. Disc Bearings re-placed **FREE** if they ever wear out. Every Drill guaranteed to be and do **ALL WE CLAIM**.

Ask your local dealer to show you the **OSCILLATING DRAW BARS** on a Superior Single Disc Drill—the exclusive patented device that gives such great clearance—that allows the discs to sow around obstructions, not over them. **Send for the Superior Catalogue.** Go to your local dealer and insist on seeing the drill that puts the seed in the ground—that "Drills the grain to grow again." The "Superior Feed sows every seed."

Superior Drills can be had in any size from one-horse up in plain grain and combined grain and fertilizer, Single Disc, Double Disc, Hoe and Shoe.

THE AMERICAN SEEDING MACHINE CO.
INCORPORATED
SPRINGFIELD, OHIO, U.S.A.

The Plow That Insures You Moisture

The Rock Island "CTX" Universal Plow is the best crop insurance you can buy. It's the only plow that leaves no air spaces to cut off moisture from below. In dry weather, water comes up from below to the plant roots just like kerosene comes up your lamp wick. Air spaces have killed many a crop but they won't kill yours if you use

Rock Island "CTX" Universal Plow

On account of its peculiar corkscrew-like shape, the "CTX" goes into stubble, tame sod, trashy corn ground, tough gumbo, heavy clay, etc., and does perfect work in all. Turns the soil clear over, lays it flat and buries all trash. You don't need extra bottoms for the "CTX." This wonderful plow pulverizes the soil so much better that you save at least one harrowing.

Free Plow Book shows how the "CTX" increases yields from 2 to 10 bushels per acre. Write for it.

Rock Island Plow Co.
234
Second
Ave., Rock
Island, Ill.



Farmers Sons Wanted with knowledge of farm stock and fair education to work in an office; \$50 a month with advancement, steady employment, must be honest and reliable. Branch offices of the association are being established in each state. Apply at once, giving full particulars. The Veterinary Science Association, Dept. 22, London, Canada.



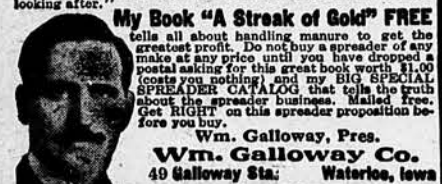
RAISE BIGGER CROPS

My New No. 8 Low Down Manure Spreader.

used now means bigger crops next year. You know this yourself. Manure spreading time is all the time. This new No. 8 Low-Down Manure Spreader is Galloway's greatest spreader.

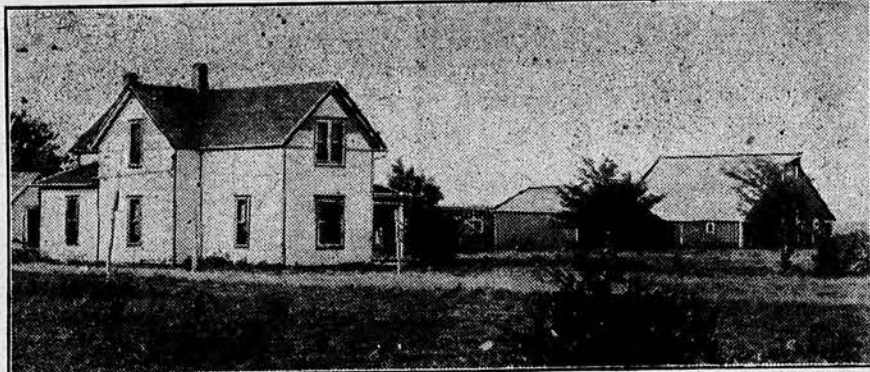
Positively the best spreader made for the least money. Double chain drive, endless apron; force feed; front wheels cut under loads; gets into any barnyard corner; close hitch; lightest draft of any low-down machine. Capacity 60-70 bushels. All steel gear, complete with double-trees and neckyokes. Flexible rake; high speed beater pulverizes finely any barnyard material. Steel wheels; gears coupled with channel steel, trussed like a steel bridge. Box rests on rear trucks, 42 inches high. Superior in every respect to new fangled fronts of heavy draft that eat you up for repairs, annoy you and kill your horses.

K. K. Foust, Ashley, Ohio, writes: "Please find draft for spreader received October 25th. Assure you I am more than pleased with same. It has proven 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 SPECIAL SPREADER CATALOG that tells the truth about the spreader business. Mailed free. Get **RIGHT** on this spreader proposition before you buy.

Wm. Galloway, Pres.
Wm. Galloway Co.
49 Galloway Sta. Waterloo, Iowa



For Lower Insurance Rates

Grange Members Have the Advantage of Cheap Protection

BY F. B. NICHOLS, Field Editor

THE remarkable success of the Patrons' Fire and Tornado association of Olathe with its Grange insurance is an encouraging feature of the progress of co-operation in Kansas. The company was organized about 25 years ago, and it has had a steady, successful growth ever since. It now has about 20 million dollars of insurance in force, almost all of which is farm business. The only insurance carried in towns is on the property of members of the Grange, and even this is only on buildings at least 100 feet away from other property.

This association was formed largely as a result of the interest in co-operation at Olathe. The central office is at that town. The representatives out over the state are members of the Grange, who handle the insurance business in their home community at a low commission. The low overhead cost is an important feature of the operations of this company. It does not have to pay the heavy charges for local commissions which most companies have to pay. The officers of the Patrons' Fire and Tornado association are: President, W. C. Brown; treasurer, W. S. Whitford; secretary, John R. Thorne.

A Reserve Is Available.

Most of the insurance is carried for a term of five years, and it includes everything that a farmer has to insure against fire, lightning and tornadoes. Short time insurance was issued last year for the first time on hay, grain and livestock. All of the insurance is backed by a reserve of more than \$50,000, which is ample to carry the association over any disaster that might come. There is not the chance for great losses in farm insurance that there is in city insurance, where a fire that destroyed a city might place the company in very bad condition financially. Big losses of this kind seldom occur when the risks are scattered widely on farm insurance.

The insurance rate on the farm property occupied by the owner is \$5 on a 5-year policy for \$1,000. The rate in the old-line companies for the same thing frequently is \$20, which means a saving to a farmer of \$15. Savings of that kind constitute one of the desirable features of co-operation. The rate for tenant houses is \$10 on every \$1,000 of insurance. The livestock rate is \$7.50 on \$1,000 for five years. On barns with lightning rods the rate is \$7.50 a thousand for five years; on unrodded barns it is \$10.

Remarkable results in economy and business management have been ob-

tained by the Patrons' Fire and Tornado association. In speaking of the results, Mr. Thorne said:

"Our three leading losses come from unrodded barns, tenant dwellings and lightning losses on livestock. In the 25 years we have been in business we have been called on to pay for the loss of but one rodded barn. Only members of the Grange can be insured in this company. The members have had their insurance at about 50 per cent of the old-line rates, and all losses have been paid promptly and without discount. We believe that co-operative insurance, where it is managed properly, pays its members a big return for the time and attention given to its management."

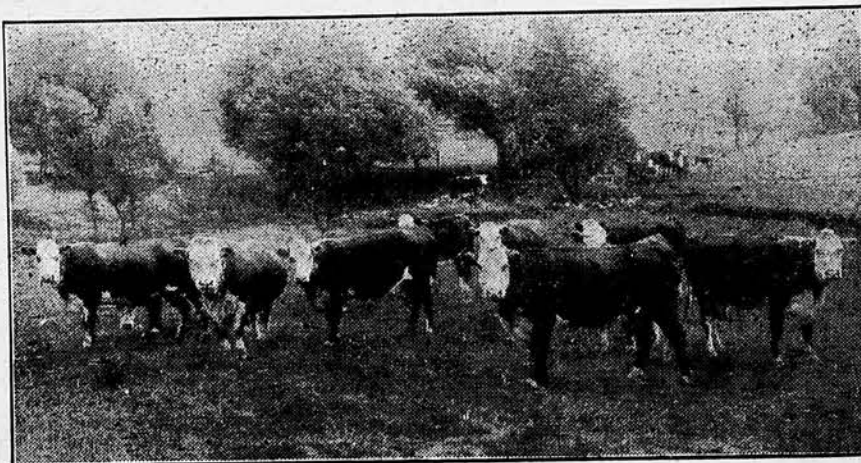
Co-operation Pays.

The record made in Grange insurance is merely an index to the success that can be obtained in other lines of co-operation in Kansas. Of course, the rather remarkable growth of the Grange in the last few years has helped the insurance company. However, it always has been well managed; business efficiency has been a feature of its operation.

The insurance handled by this organization is just as efficient as that which costs several times as much. It is backed by a reserve that is ample to cover all sudden losses. A rapid increase is certain to come in the amount of Grange insurance in Kansas in the next two or three years. This order is growing very rapidly, and of course the members are coming into the association with their insurance in the old-line companies. Just as soon as this expires it is dropped as a rule, and the policy is taken out in the Grange company.

The Apple Crop

The apple crop of 1914 probably is the largest ever produced in the United States, it being estimated at 259 million bushels, as compared with 145 million bushels in 1913; about 235 million bushels in 1912; 214 million bushels in 1911; 142 million bushels in 1910, and 146 million bushels in 1909. These figures represent the total "agricultural" crop and should not be confused with figures representing estimates of the "commercial" crop, which comprises only the marketed portion of the total production. In 1913 the commercial crop was estimated at 40 per cent of the total agricultural production. The census report of 146 million bushels in 1909 is the basis of yearly estimates of total production, being used in connection with crop reporters' estimates of percentage of a full crop produced each year.



Livestock Losses Should Be Prevented by Insurance; This Can Be Obtained From the Grange at Cost.

Planet Jr. Seeder: Horse Hoe

The farm and garden tools that save your time, lighten your labor, and get bigger crops—the longest-lasting and most economical implements made. Fully guaranteed.



No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator, and Plow

No. 8 Planet Jr. Horse Hoe and Cultivator

Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

Stronger, better-made, and capable of a greater variety of work than any other cultivator made. Non-clogging steel wheel. Depth-regulator and extra-long frame make it run steady. Adjustable for both depth and width.

72-page Catalog (168 illustrations) free. Describes 55 tools including Seeders, Wheel Hoes, Horse Hoes, Harrows, Orchard- and Beet-Cultivators. Write postal for it.

S. L. ALLEN & CO. Box 1105P Phila Pa



Why Snowshoes?

Why snowshoes to travel in snow; why a corduroy road over a marsh; why a long wide track instead of wheels, for a tractor?—A bigger bearing surface so as not to sink in.

The Caterpillar's long, wide, endless track has 24 square feet of bearing surface—8 times that of a round wheel. No short crops from packed soil. No waiting in the spring for ground to dry up. No lost power from slipping. Track shoes outwear horse shoes many times over.

Built for the last 10 years. Over 2,000 in use.

CATERPILLAR
Reg. U.S. Pat. Off.



Don't say Caterpillar unless you mean Holt. Three sizes—Junior, Standard, Giant. Write for Cat A. C. 123.

The Holt Mfg. Co.
(Incorporated)
Peoria, Ill. Stockton, Cal.
50 Church Street, N. Y.

This Steel Forge

Will Save Its Cost in 30 Days on Your Farm



Make blacksmith bills smaller by doing repair work at home. Our Forges are used by farmers in every State and foreign Countries. Blower is 11 1/2 inches diameter. Hearth is 30 3/4 inches high. Total height of Forge 43 inches.

Positively Guaranteed to be as large, durable, do as much work as any \$10 forge made and to be as represented or money refunded.

Special Winter Offers

Until March 31, 1915 we offer our two styles of Farm Forges at \$3.75 and \$4.00 each. 1 pair of tongs and 1 Anvil and Vise combined \$1.75 extra. Prompt shipments. This offer may not appear again. Write today. Send stamp for Catalog No. 41 and testimonials.

C. A. S. FORGE WORKS, Saranac, Mich.



For Framing
A beautiful half-tone print of the Kansas State Capitol 12 1/2 x 8 1/2 inches, only a limited number. Send 10c today coin or stamp.

POSTAGE PREPAID
CAPPER ENGRAVING CO.
TOPEKA, KANS.

Better Wheat Prices Here

Kansas Farmers Have Some Advantage Over Those in Nebraska

BY HARLEY HATCH

WE NOTE by a Nebraska paper that wheat has reached \$1.17 a bushel in Lincoln. On the same date from \$1.21 to \$1.23 was being paid for wheat in most Kansas towns. In the matter of prices we have the advantage over many Nebraska farmers. For instance, we sold some corn yesterday for 63 cents a bushel; this corn is sold to be shipped. Corn is bringing only 54 cents in our old Nebraska home as we write this.

Our advantage in prices over those paid in Nebraska will be, as a usual thing, from 5 to 10 cents a bushel on grain and from 10 to 25 cents a hundred on livestock. This is not due solely to the Kansas City market but to the fact that we are nearer the gulf ports. It is that direction that all the grain sold from this locality goes. Texas is taking all the corn we may have to spare and it is very probable that our grain buyers receive practically Kansas City prices right here, although most of them buy from 7 to 10 cents a bushel under Kansas City.

A grain dealer with whom we talked not long ago complained that the big grain companies not only would not take his weights but made him take destination weights, which usually ran from 5 to 10 bushels short, while when they sold grain to him they made him take their weights. This catches the average country grain buyer coming and going. He has to stand the loss in both cases and of course this loss is passed along to the men he deals with. It could not be otherwise, but it shows that the big companies take every advantage and the country dealer can do nothing but let them do it.

We have laid in a supply of flour for the next six months. High as wheat is, we expect to see it go even higher. If this war holds and the outlook for the new crop of wheat next spring is not good we expect to see that grain sell for \$1.50 a bushel. Should the war end we may expect to see prices go to a lower level, for a time, than conditions justify. This is what has happened after every great war of the last 150 years. Prices fell as soon as the war was over to a lower level than was justified, to rise again within a year or so to an equitable price. The question that is troubling the market men is, when will the war end?

For our flour we paid at the rate of \$2.90 a hundred pounds, which is cheaper than it can be had at wholesale now. The dealer had two cars of flour which he had bought at the old prices and was selling it out on that basis. It is not every merchant that would do this and we do not know that it should be asked of them, but to do so loses a dealer no friends. Our friends in the old Nebraska home have paid \$1.75 a sack for flour all the fall when we were paying but \$1.40 and they were getting an average of 5 cents less a bushel on wheat there. Our Kansas dealers and millers are not the worst in the world after all.

We have the hedge and weed law, adopted in this country last fall, under discussion for our next Grange meeting. The general opinion here is that the law cannot be enforced for the reason that it compels the land owners to keep the weeds down on property belonging to the county. If the law can compel the land owner to keep the weeds mowed down along the road it can compel him to grade and keep that road in repair. We know it is said that laws are constitutional which compel every farmer to keep the noxious weeds mowed down on his farm but laws compelling him to mow weeds on land belonging to another person would not hold. In the past we have always mowed the weeds in the road along this farm but we don't believe we could be compelled to do it.

We have a letter from an Oklahoma reader who does not like the Oklahoma election law and advises Kansas against enacting one like it. He says that in Oklahoma the township election board consists of three officers, inspector, judge and clerk. It is the duty of this board to meet at the polling place three or

four days before election and appoint four counters. For this small service they are allowed \$3 each. Then the inspector has to go to the county seat for election supplies, for which he receives another \$3 with mileage of 5 cents each way. On election day this election board, with the four counters, are on duty and all receive \$3 a day. After election the inspector again visits the county seat with the returns and draws his \$3 and mileage again. This gives a salary expense of \$36 for each polling place at each election, with mileage.

Our understanding was that in Kansas an additional election board was proposed to do the counting. Under the present law the election board receives \$3 a day with more pay if the votes run over a certain number. It is in very few polling places that the votes exceed this number, so we may say that the salary expense of the board is \$3 a day. Under the proposed law this amount would be doubled and the salary list would be \$18. In addition to this is the expense of making the returns. We have served on the election board in this township and thought that we gave more for our \$3 than we ever did while working on the farm for \$20 a month. We had to get in town by sunrise and did not finish counting until well along the next day. We cannot expect an election board to serve from start to finish for \$3, so that an additional board of three to do the counting would cost no more than to let one board work two days at the job. We have increased our vote so largely that we must expect to have to pay for the privilege.

A question of importance to many this spring is "How much should a man have to pay down when he buys a farm?" We have always thought that to be safe a man should have 50 per cent of the purchase price to pay down in cash, but a number of things may modify that statement. If a man has plenty of stock and a good supply of machinery and is not in debt for it, he can buy a farm safely with less than 50 per cent to pay down. There are some cases where land may be bought with almost nothing to pay down and where the buyer will come out all right.

In years gone by the more land a man bought the more his wealth increased, no matter if he had only \$100 to pay down on a 160-acre farm. In those days the increase in price of the land was rapid and certain and it often happened that a man having an investment of not more than \$500 in a farm made \$2,000 on that investment within a few months. Those days are gone, never to return. It is no longer safe to figure on an increase in speculative values and the man buying a farm will be safer if he figures on production alone. And he will not be safe in figuring on a continuation of present prices, either. This war is going to unsettle matters to a great extent and we may have a year or so of declining values when it ends. But on the whole it is safe to buy good farm land if it can be had on a basis of producing value, the buyer to have from 25 to 50 per cent of the purchase price to pay down and to be free from other debts. This is what we call the safe method of procedure; there are other methods that work out well in times of rising prices but which fail when we get into a financial hollow.

Our visiting crows are having hard times. Hundreds were disposed of by the shotgun route but now poison has been called into action and the boys are finding dead crows by the dozen. A poisoned rabbit will account for a good many crows and it will also account for a certain number of dogs, too. The bounty of 5 cents paid on each crow head will not pay for the ammunition expended, for the average crow is very tough and hard to kill. These crows came in here last fall from the North intending to winter in the land of sunshine and kafir shocks. They are meeting the welcome that usually awaits the winter tourist who arrives without money in his pocket.

Let me send you a WITTE Engine to earn its own cost while you pay for it.

GET your engine from an Engine Specialist, on any suitable reasonable terms, at a fair price.

LOOK AT THESE NEW PRICES!

1 H-P. \$34.00; 2 H-P. \$49.75; 3 H-P. \$67.75; 4 H-P. \$89.00; 5 H-P. \$110.00; 6 H-P. \$130.00; 8 H-P. \$170.00; 10 H-P. \$210.00; 12 H-P. \$250.00; 14 H-P. \$290.00; 16 H-P. \$330.00; 18 H-P. \$370.00; 20 H-P. \$410.00; 22 H-P. \$450.00; 24 H-P. \$490.00; 26 H-P. \$530.00; 28 H-P. \$570.00; 30 H-P. \$610.00; 32 H-P. \$650.00; 34 H-P. \$690.00; 36 H-P. \$730.00; 38 H-P. \$770.00; 40 H-P. \$810.00; 42 H-P. \$850.00; 44 H-P. \$890.00; 46 H-P. \$930.00; 48 H-P. \$970.00; 50 H-P. \$1,010.00; 52 H-P. \$1,050.00; 54 H-P. \$1,090.00; 56 H-P. \$1,130.00; 58 H-P. \$1,170.00; 60 H-P. \$1,210.00; 62 H-P. \$1,250.00; 64 H-P. \$1,290.00; 66 H-P. \$1,330.00; 68 H-P. \$1,370.00; 70 H-P. \$1,410.00; 72 H-P. \$1,450.00; 74 H-P. \$1,490.00; 76 H-P. \$1,530.00; 78 H-P. \$1,570.00; 80 H-P. \$1,610.00; 82 H-P. \$1,650.00; 84 H-P. \$1,690.00; 86 H-P. \$1,730.00; 88 H-P. \$1,770.00; 90 H-P. \$1,810.00; 92 H-P. \$1,850.00; 94 H-P. \$1,890.00; 96 H-P. \$1,930.00; 98 H-P. \$1,970.00; 100 H-P. \$2,010.00; 102 H-P. \$2,050.00; 104 H-P. \$2,090.00; 106 H-P. \$2,130.00; 108 H-P. \$2,170.00; 110 H-P. \$2,210.00; 112 H-P. \$2,250.00; 114 H-P. \$2,290.00; 116 H-P. \$2,330.00; 118 H-P. \$2,370.00; 120 H-P. \$2,410.00; 122 H-P. \$2,450.00; 124 H-P. \$2,490.00; 126 H-P. \$2,530.00; 128 H-P. \$2,570.00; 130 H-P. \$2,610.00; 132 H-P. \$2,650.00; 134 H-P. \$2,690.00; 136 H-P. \$2,730.00; 138 H-P. \$2,770.00; 140 H-P. \$2,810.00; 142 H-P. \$2,850.00; 144 H-P. \$2,890.00; 146 H-P. \$2,930.00; 148 H-P. \$2,970.00; 150 H-P. \$3,010.00; 152 H-P. \$3,050.00; 154 H-P. \$3,090.00; 156 H-P. \$3,130.00; 158 H-P. \$3,170.00; 160 H-P. \$3,210.00; 162 H-P. \$3,250.00; 164 H-P. \$3,290.00; 166 H-P. \$3,330.00; 168 H-P. \$3,370.00; 170 H-P. \$3,410.00; 172 H-P. \$3,450.00; 174 H-P. \$3,490.00; 176 H-P. \$3,530.00; 178 H-P. \$3,570.00; 180 H-P. \$3,610.00; 182 H-P. \$3,650.00; 184 H-P. \$3,690.00; 186 H-P. \$3,730.00; 188 H-P. \$3,770.00; 190 H-P. \$3,810.00; 192 H-P. \$3,850.00; 194 H-P. \$3,890.00; 196 H-P. \$3,930.00; 198 H-P. \$3,970.00; 200 H-P. \$4,010.00; 202 H-P. \$4,050.00; 204 H-P. \$4,090.00; 206 H-P. \$4,130.00; 208 H-P. \$4,170.00; 210 H-P. \$4,210.00; 212 H-P. \$4,250.00; 214 H-P. \$4,290.00; 216 H-P. \$4,330.00; 218 H-P. \$4,370.00; 220 H-P. \$4,410.00; 222 H-P. \$4,450.00; 224 H-P. \$4,490.00; 226 H-P. \$4,530.00; 228 H-P. \$4,570.00; 230 H-P. \$4,610.00; 232 H-P. \$4,650.00; 234 H-P. \$4,690.00; 236 H-P. \$4,730.00; 238 H-P. \$4,770.00; 240 H-P. \$4,810.00; 242 H-P. \$4,850.00; 244 H-P. \$4,890.00; 246 H-P. \$4,930.00; 248 H-P. \$4,970.00; 250 H-P. \$5,010.00; 252 H-P. \$5,050.00; 254 H-P. \$5,090.00; 256 H-P. \$5,130.00; 258 H-P. \$5,170.00; 260 H-P. \$5,210.00; 262 H-P. \$5,250.00; 264 H-P. \$5,290.00; 266 H-P. \$5,330.00; 268 H-P. \$5,370.00; 270 H-P. \$5,410.00; 272 H-P. \$5,450.00; 274 H-P. \$5,490.00; 276 H-P. \$5,530.00; 278 H-P. \$5,570.00; 280 H-P. \$5,610.00; 282 H-P. \$5,650.00; 284 H-P. \$5,690.00; 286 H-P. \$5,730.00; 288 H-P. \$5,770.00; 290 H-P. \$5,810.00; 292 H-P. \$5,850.00; 294 H-P. \$5,890.00; 296 H-P. \$5,930.00; 298 H-P. \$5,970.00; 300 H-P. \$6,010.00; 302 H-P. \$6,050.00; 304 H-P. \$6,090.00; 306 H-P. \$6,130.00; 308 H-P. \$6,170.00; 310 H-P. \$6,210.00; 312 H-P. \$6,250.00; 314 H-P. \$6,290.00; 316 H-P. \$6,330.00; 318 H-P. \$6,370.00; 320 H-P. \$6,410.00; 322 H-P. \$6,450.00; 324 H-P. \$6,490.00; 326 H-P. \$6,530.00; 328 H-P. \$6,570.00; 330 H-P. \$6,610.00; 332 H-P. \$6,650.00; 334 H-P. \$6,690.00; 336 H-P. \$6,730.00; 338 H-P. \$6,770.00; 340 H-P. \$6,810.00; 342 H-P. \$6,850.00; 344 H-P. \$6,890.00; 346 H-P. \$6,930.00; 348 H-P. \$6,970.00; 350 H-P. \$7,010.00; 352 H-P. \$7,050.00; 354 H-P. \$7,090.00; 356 H-P. \$7,130.00; 358 H-P. \$7,170.00; 360 H-P. \$7,210.00; 362 H-P. \$7,250.00; 364 H-P. \$7,290.00; 366 H-P. \$7,330.00; 368 H-P. \$7,370.00; 370 H-P. \$7,410.00; 372 H-P. \$7,450.00; 374 H-P. \$7,490.00; 376 H-P. \$7,530.00; 378 H-P. \$7,570.00; 380 H-P. \$7,610.00; 382 H-P. \$7,650.00; 384 H-P. \$7,690.00; 386 H-P. \$7,730.00; 388 H-P. \$7,770.00; 390 H-P. \$7,810.00; 392 H-P. \$7,850.00; 394 H-P. \$7,890.00; 396 H-P. \$7,930.00; 398 H-P. \$7,970.00; 400 H-P. \$8,010.00; 402 H-P. \$8,050.00; 404 H-P. \$8,090.00; 406 H-P. \$8,130.00; 408 H-P. \$8,170.00; 410 H-P. \$8,210.00; 412 H-P. \$8,250.00; 414 H-P. \$8,290.00; 416 H-P. \$8,330.00; 418 H-P. \$8,370.00; 420 H-P. \$8,410.00; 422 H-P. \$8,450.00; 424 H-P. \$8,490.00; 426 H-P. \$8,530.00; 428 H-P. \$8,570.00; 430 H-P. \$8,610.00; 432 H-P. \$8,650.00; 434 H-P. \$8,690.00; 436 H-P. \$8,730.00; 438 H-P. \$8,770.00; 440 H-P. \$8,810.00; 442 H-P. \$8,850.00; 444 H-P. \$8,890.00; 446 H-P. \$8,930.00; 448 H-P. \$8,970.00; 450 H-P. \$9,010.00; 452 H-P. \$9,050.00; 454 H-P. \$9,090.00; 456 H-P. \$9,130.00; 458 H-P. \$9,170.00; 460 H-P. \$9,210.00; 462 H-P. \$9,250.00; 464 H-P. \$9,290.00; 466 H-P. \$9,330.00; 468 H-P. \$9,370.00; 470 H-P. \$9,410.00; 472 H-P. \$9,450.00; 474 H-P. \$9,490.00; 476 H-P. \$9,530.00; 478 H-P. \$9,570.00; 480 H-P. \$9,610.00; 482 H-P. \$9,650.00; 484 H-P. \$9,690.00; 486 H-P. \$9,730.00; 488 H-P. \$9,770.00; 490 H-P. \$9,810.00; 492 H-P. \$9,850.00; 494 H-P. \$9,890.00; 496 H-P. \$9,930.00; 498 H-P. \$9,970.00; 500 H-P. \$10,010.00; 502 H-P. \$10,050.00; 504 H-P. \$10,090.00; 506 H-P. \$10,130.00; 508 H-P. \$10,170.00; 510 H-P. \$10,210.00; 512 H-P. \$10,250.00; 514 H-P. \$10,290.00; 516 H-P. \$10,330.00; 518 H-P. \$10,370.00; 520 H-P. \$10,410.00; 522 H-P. \$10,450.00; 524 H-P. \$10,490.00; 526 H-P. \$10,530.00; 528 H-P. \$10,570.00; 530 H-P. \$10,610.00; 532 H-P. \$10,650.00; 534 H-P. \$10,690.00; 536 H-P. \$10,730.00; 538 H-P. \$10,770.00; 540 H-P. \$10,810.00; 542 H-P. \$10,850.00; 544 H-P. \$10,890.00; 546 H-P. \$10,930.00; 548 H-P. \$10,970.00; 550 H-P. \$11,010.00; 552 H-P. \$11,050.00; 554 H-P. \$11,090.00; 556 H-P. \$11,130.00; 558 H-P. \$11,170.00; 560 H-P. \$11,210.00; 562 H-P. \$11,250.00; 564 H-P. \$11,290.00; 566 H-P. \$11,330.00; 568 H-P. \$11,370.00; 570 H-P. \$11,410.00; 572 H-P. \$11,450.00; 574 H-P. \$11,490.00; 576 H-P. \$11,530.00; 578 H-P. \$11,570.00; 580 H-P. \$11,610.00; 582 H-P. \$11,650.00; 584 H-P. \$11,690.00; 586 H-P. \$11,730.00; 588 H-P. \$11,770.00; 590 H-P. \$11,810.00; 592 H-P. \$11,850.00; 594 H-P. \$11,890.00; 596 H-P. \$11,930.00; 598 H-P. \$11,970.00; 600 H-P. \$12,010.00; 602 H-P. \$12,050.00; 604 H-P. \$12,090.00; 606 H-P. \$12,130.00; 608 H-P. \$12,170.00; 610 H-P. \$12,210.00; 612 H-P. \$12,250.00; 614 H-P. \$12,290.00; 616 H-P. \$12,330.00; 618 H-P. \$12,370.00; 620 H-P. \$12,410.00; 622 H-P. \$12,450.00; 624 H-P. \$12,490.00; 626 H-P. \$12,530.00; 628 H-P. \$12,570.00; 630 H-P. \$12,610.00; 632 H-P. \$12,650.00; 634 H-P. \$12,690.00; 636 H-P. \$12,730.00; 638 H-P. \$12,770.00; 640 H-P. \$12,810.00; 642 H-P. \$12,850.00; 644 H-P. \$12,890.00; 646 H-P. \$12,930.00; 648 H-P. \$12,970.00; 650 H-P. \$13,010.00; 652 H-P. \$13,050.00; 654 H-P. \$13,090.00; 656 H-P. \$13,130.00; 658 H-P. \$13,170.00; 660 H-P. \$13,210.00; 662 H-P. \$13,250.00; 664 H-P. \$13,290.00; 666 H-P. \$13,330.00; 668 H-P. \$13,370.00; 670 H-P. \$13,410.00; 672 H-P. \$13,450.00; 674 H-P. \$13,490.00; 676 H-P. \$13,530.00; 678 H-P. \$13,570.00; 680 H-P. \$13,610.00; 682 H-P. \$13,650.00; 684 H-P. \$13,690.00; 686 H-P. \$13,730.00; 688 H-P. \$13,770.00; 690 H-P. \$13,810.00; 692 H-P. \$13,850.00; 694 H-P. \$13,890.00; 696 H-P. \$13,930.00; 698 H-P. \$13,970.00; 700 H-P. \$14,010.00; 702 H-P. \$14,050.00; 704 H-P. \$14,090.00; 706 H-P. \$14,130.00; 708 H-P. \$14,170.00; 710 H-P. \$14,210.00; 712 H-P. \$14,250.00; 714 H-P. \$14,290.00; 716 H-P. \$14,330.00; 718 H-P. \$14,370.00; 720 H-P. \$14,410.00; 722 H-P. \$14,450.00; 724 H-P. \$14,490.00; 726 H-P. \$14,530.00; 728 H-P. \$14,570.00; 730 H-P. \$14,610.00; 732 H-P. \$14,650.00; 734 H-P. \$14,690.00; 736 H-P. \$14,730.00; 738 H-P. \$14,770.00; 740 H-P. \$14,810.00; 742 H-P. \$14,850.00; 744 H-P. \$14,890.00; 746 H-P. \$14,930.00; 748 H-P. \$14,970.00; 750 H-P. \$15,010.00; 752 H-P. \$15,050.00; 754 H-P. \$15,090.00; 756 H-P. \$15,130.00; 758 H-P. \$15,170.00; 760 H-P. \$15,210.00; 762 H-P. \$15,250.00; 764 H-P. \$15,290.00; 766 H-P. \$15,330.00; 768 H-P. \$15,370.00; 770 H-P. \$15,410.00; 772 H-P. \$15,450.00; 774 H-P. \$15,490.00; 776 H-P. \$15,530.00; 778 H-P. \$15,570.00; 780 H-P. \$15,610.00; 782 H-P. \$15,650.00; 784 H-P. \$15,690.00; 786 H-P. \$15,730.00; 788 H-P. \$15,770.00; 790 H-P. \$15,810.00; 792 H-P. \$15,850.00; 794 H-P. \$15,890.00; 796 H-P. \$15,930.00; 798 H-P. \$15,970.00; 800 H-P. \$16,010.00; 802 H-P. \$16,050.00; 804 H-P. \$16,090.00; 806 H-P. \$16,130.00; 808 H-P. \$16,170.00; 810 H-P. \$16,210.00; 812 H-P. \$16,250.00; 814 H-P. \$16,290.00; 816 H-P. \$16,330.00; 818 H-P. \$16,370.00; 820 H-P. \$16,410.00; 822 H-P. \$16,450.00; 824 H-P. \$16,490.00; 826 H-P. \$16,530.00; 828 H-P. \$16,570.00; 830 H-P. \$16,610.00; 832 H-P. \$16,650.00; 834 H-P. \$16,690.00; 836 H-P. \$16,730.00; 838 H-P. \$16,770.00; 840 H-P. \$16,810.00; 842 H-P. \$16,850.00; 844 H-P. \$16,890.00; 846 H-P. \$16,930.00; 848 H-P. \$16,970.00; 850 H-P. \$17,010.00; 852 H-P. \$17,050.00; 854 H-P. \$17,090.00; 856 H-P. \$17,130.00; 858 H-P. \$17,170.00; 860 H-P. \$17,210.00; 862 H-P. \$17,250.00; 864 H-P. \$17,290.00; 866 H-P. \$17,330.00; 868 H-P. \$17,370.00; 870 H-P. \$17,410.00; 872 H-P. \$17,450.00; 874 H-P. \$17,490.00; 876 H-P. \$17,530.00; 878 H-P. \$17,570.00; 880 H-P. \$17,610.00; 882 H-P. \$17,650.00; 884 H-P. \$17,690.00; 886 H-P. \$17,730.00; 888 H-P. \$17,770.00; 890 H-P. \$17,810.00; 892 H-P. \$17,850.00; 894 H-P. \$17,890.00; 896 H-P. \$17,930.00; 898 H-P. \$17,970.00; 900 H-P. \$18,010.00; 902 H-P. \$18,050.00; 904 H-P. \$18,090.00; 906 H-P. \$18,130.00; 908 H-P. \$18,170.00; 910 H-P. \$18,210.00; 912 H-P. \$18,250.00; 914 H-P. \$18,290.00; 916 H-P. \$18,330.00; 918 H-P. \$18,370.00; 920 H-P. \$18,410.00; 922 H-P. \$18,450.00; 924 H-P. \$18,490.00; 926 H-P. \$18,530.00; 928 H-P. \$18,570.00; 930 H-P. \$18,610.00; 932 H-P. \$18,650.00; 934 H-P. \$18,690.00; 936 H-P. \$18,730.00; 938 H-P. \$18,770.00; 940 H-P. \$18,810.00; 942 H-P. \$18,850.00; 944 H-P. \$18,890.00; 946 H-P. \$18,930.00; 948 H-P. \$18,970.00; 950 H-P. \$19,010.00; 952 H-P. \$19,050.00; 954 H-P. \$19,090.00; 956 H-P. \$19,130.00; 958 H-P. \$19,170.00; 960 H-P. \$19,210.00; 962 H-P. \$19,250.00; 964 H-P. \$19,290.00; 966 H-P. \$19,330.00; 968 H-P. \$19,370.00; 970 H-P. \$19,410.00; 972 H-P. \$19,450.00; 974 H-P. \$19,490.00; 976 H-P. \$19,530.00; 978 H-P. \$19,570.00; 980 H-P. \$19,610.00; 982 H-P. \$19,650.00; 984 H-P. \$19,690.00; 986 H-P. \$19,730.00; 988 H-P. \$19,770.00; 990 H-P. \$19,810.00; 992 H-P. \$19,850.00; 994 H-P. \$19,890.00; 996 H-P. \$19,930.00; 998 H-P. \$19,970.00; 1000 H-P. \$20,010.00; 1002 H-P. \$20,050.00; 1004 H-P. \$20,090.00; 1006 H-P. \$20,130.00; 1008 H-P. \$20,170.00; 1010 H-P. \$20,210.00; 1012 H-P. \$20,250.00; 1014 H-P. \$20,290.00; 1016 H-P. \$20,330.00; 1018 H-P. \$20,370.00; 1020 H-P. \$20,410.00; 1022 H-P. \$20,450.00; 1024 H-P. \$20,490.00; 1026 H-P. \$20,530.00; 1028 H-P. \$20,570.00; 1030 H-P. \$20,610.00; 1032 H-P. \$20,650.00; 1034 H-P. \$20,690.00; 1036 H-P. \$20,730.00; 1038 H-P. \$20,770.00; 1040 H-P. \$20,810.00; 1042 H-P. \$20,850.00; 1044 H-P. \$20,890.00; 1046 H-P. \$20,930.00; 1048 H-P. \$20,970.00; 1050 H-P. \$21,010.00; 1052 H-P. \$21,050.00; 1054 H-P. \$21,090.00; 1056 H-P. \$21,130.00; 1058 H-P. \$21,170.00; 1060 H-P. \$21,210.00; 1062 H-P. \$21,250.00; 1064 H-P. \$21,290.00; 1066 H-P. \$21,330.00; 1068 H-P. \$21,370.00; 1070 H-P. \$21,410.00; 1072 H-P. \$21,450.00; 1074 H-P. \$21,490.00; 1076 H-P. \$21,530.00; 1078 H-P. \$21,570.00; 1080 H-P. \$21,610.00; 1082 H-P. \$21,650.00; 1084 H-P. \$21,690.00; 1086 H-P. \$21,730.00; 1088 H-P. \$21,770.00; 1090 H-P. \$21,810.00; 1092 H-P. \$21,850.00; 1094 H-P. \$21,890.00; 1096 H-P. \$21,930.00; 1098 H-P. \$21,970.00; 1100 H-P. \$22,010.00; 1102 H-P. \$22,050.00; 1104 H-P. \$22,090.00; 1106 H-P. \$22,130.00; 1108 H-P. \$22,170.00; 1110 H-P. \$22,210.00; 1112 H-P. \$22,250.00; 1114 H-P. \$22,290.00; 1116 H-P. \$22,330.00; 1118 H-P. \$22,370.00; 1120 H-P. \$22,410.00; 1122 H-P. \$22,450.00; 1124 H-P. \$22,490.00; 1126 H-P. \$22,530.00; 1128 H-P.

A Page For the History Book

Boys and Girls Tell Stories Of Things That Happened In Kansas
When the State Was Young



WHAT is history? Can any boy or girl tell? Some of you say it is a book you have to study when you'd rather be playing ball or prisoner's base, and others say it is just a string of dates to remember and a lot of battles that get mixed up together in a dreadful muddle whenever you try to tell about them at class time. But history is something more than that if you look at it through the right kind of spectacles. It is the story of real boys and girls and real men and women and it isn't always necessary to go to books to find it.

Once some boys and girls who read the Farmers Mail and Breeze wrote history, though they didn't suspect it at the time, for they thought they were just telling what happened to their fathers and mothers when they were boys and girls. It was all Kansas history, of course, and so we are going to let you read their letters for Kansas Day and see if you don't think it is as interesting as any real history you ever studied in your school books.

Before We Had Kansas Day.

James Henley, of Brownell, Kan., is going to tell the first chapter, for his father was born in Kansas when it wasn't a state at all, but a territory. Isn't that a long ways back to remember? That was before there was any such thing as a Kansas Day, and before they had—but we were going to let James tell it, weren't we? He says, "My father was born in the territory of Kansas. He tells me now how he used to play with pet deer, and he wore deerskin trousers and a sheepskin coat, a coonskin cap and deerskin mittens. He slept on a buffalo robe. He used to see hundreds of Indians. They were honest and good where father lived, and he thinks they are a great race. When my father was a baby he used to crawl on a puncheon floor, and when his folks moved to a house with a smooth floor he crawled so easily he couldn't stop himself and ran into the side of the wall and bumped his head."

Father went to school in an old log school house where the seats were split log benches and two pegs on the wall held a board to make a place for the pupils to write. They had only one pencil in the school, and no blackboard or chalk at all. The boys used to hunt plums in the timber and get water at a spring. Father used to mow with a scythe, and cradle grain, and rake hay by hand. He plowed with a single shovel plow and a blind mule. Sometimes they used to plow with oxen, and father and his brothers used to break calves to work. I wish I could have been one of those boys. I'll bet they had lots of fun. His mother used to cook at an open fireplace, and they had tallow candles for lights."

An Indian Breakfast.

The next chapter of our Kansas history is by Dulcie Steward who lives on a farm near Ottawa. Her great grandfather came to Kansas in 1854 and built the first cabin in Franklin county, and her great aunt was the first white child born in that county. That sounds very much like history, now doesn't it? Dulcie writes, "Grandpa lived so far from the mill that when he went to get corn or wheat ground he could not get home till late at night. One night while he was away, an Indian and his squaw came to the house and wanted to stay all night. Grand-

ma was afraid not to let them, so they rolled up in their blankets in front of the fireplace. Grandma was too frightened to go to bed, so she sat up, and every once in a while the Indian would look up at her and say, 'Go to bed. No white man come tonight'; but grandpa did come a little after midnight and I know grandma was glad to see him. Next morning the Indians asked to borrow grandma's skillet to cook their breakfast in, and what do you think they cooked? It was a skunk, and grandma had a dreadful time cleaning that skillet."

Can you guess what the next chapter will tell about? Grasshoppers. Maybe you have heard your own mother and father tell about them. Amelia Scheidt of Bonner Springs wrote this. She says her mamma says, "The grasshoppers came in great clouds, darkening the sky. They ate up almost everything, even the red peppers in the garden. When the eggs they laid had hatched, the young hoppers didn't seem as strong as the first ones had been, and all of a sudden they left. After they had gone the ground looked as if it had been swept with a broom."

No Place For Girls.

The girls will all be glad they weren't living where Chapter IV happened, for there were snakes there. Paul Schuessler, who lives at Furley, says so, and his father killed lots of them. Paul wrote, "My father moved to Kansas with his parents in 1880. When he was old enough to plow, he killed 23 snakes all in one day. Some of them were only as long as his finger and some of them were eight inches in length. There were so many snakes then that father could not get a basket of cobs without seeing a snake or two. Every day a lot of them would sun themselves out in grandfather's garden."

One day when father was herding cattle he saw a big snake. He killed it and counted its rattles. It had 24. One day when father went to get a team of horses out of the barn he found a big rattlesnake under one of the horses. My uncle stepped on a rattlesnake one day when he was harrowing and it bit him. Grandma tied fresh chicken meat and tobacco juice on the wound to draw out the poison."

Joan Schuessler wrote a letter about prairie fires. "When mother was a tiny little girl in Kansas," she says, "grandpa was burning some grass along the road when a gust of wind carried some sparks across into a prairie field. Mother remembers how he came running to the house calling for the whole family to come and help fight the fire. Poor little mother was scared out of her wits as she watched the women and girls carrying water and the men beating the fire out with sacks. There were several haystacks on the prairie and they looked like great torches when they caught fire. It took most of the night to put out the fire, even with the help of the neighbors. Mother says she will never forget how the men looked. Their hair was singed, their hands blistered, and their faces smoked black. Their clothes were full of holes burned by flying sparks."

And Now the Last Chapter.

Now comes another chapter about Indians, told by Harry Lee of Council Grove. "When my father was a young boy," he writes, "his sister and mother saw two Indians coming. There were no men on the place, so grandma locked

the doors and took the children upstairs to hide. The Indians kept knocking, so grandma came down and opened the door. One of the Indians asked her if she was afraid of them, and she said no, she wasn't, but she really was ever so scared. She said they could come in if they wanted to. One of the Indians said he was taking his friend up north to a reservation.

They asked for something to eat, so grandma got them something. They ate one or two loaves of bread and drank two or three cups of coffee apiece. She gave them meat and eggs and butter, too. One of the Indians put butter on as thick as his bread. The other stepped on his foot and told him not to eat so much butter, but the first one told him it was good. The Indians were leaving when my father came home from shucking corn. The dogs barked at them, and my father sicked the dogs on them. The Indians outran the dogs to the railroad."

That is as far as our history has been written. If you wish to take it farther for yourself, probably mother or father or grandpa or grandma can tell you some more chapters. Then, when Kansas Day comes, we'll all be just a little bit prouder of our great state than we've ever been before because of this little peep we have had into the lives of some of the men and women who have helped make our own dear Kansas for us.

Danger in Athletics

Competitive athletics as conducted in American colleges and high schools are often badly overdone, says a writer in The Journal of the American Medical Association. It is not the sports themselves that are condemned, for no one would deny that systematic, even strenuous exercise may exert a most wholesome effect on the human organism. The danger lies in the win-at-any-cost exertion which taxes the vital organs to the very limit of their endurance and often exceeds the bounds of safety. Such straining of one's physical powers is a sort of unjustifiable self-sacrifice which might properly be made for one's country but is never called for to uphold the glory of one's school.

While over-exertion in athletics is bad at any time, its ill effects are more to be feared for high school boys than college students. The long, tedious training and self-denial required before the games or races, and the strain of the endurance in the sports are positively harmful for any one not fully developed. It tends not only to injure the body but to impair the keenness of the mind and to interfere with the school work proper. What high school students need is a good gymnasium under the direction of some one trained in physical culture who can assign every pupil work suited to his needs.

Boys who love sports may find it hard to believe the dangers mentioned here are real. Physicians have demonstrated, however, that an important factor in the alarming increase of heart disease shown by insurance statistics is over-strain from athletics. Records at the University of Wisconsin show that from 5 to 10 per cent of the freshmen entering that institution have enlarged hearts with dilation due to high school athletic sports. This condition, of course, keeps the student out of college sports and often hampers his other college work.

Who Has Another Snowball?

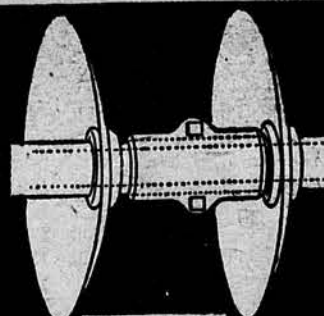
I am a little girl 9 years old. I had a little Eskimo dog named Snowball. Last summer Snowball died and I have been so lonesome since. I want a little dog to play with. Can some boy or girl who reads the Farmers Mail and Breeze please tell me where I can get a little Eskimo dog?

Goodland, Kan. Rosy Hartwig.

Pennsylvania and New Jersey lead all other states in the quantity of wood used for making tobacco pipes, and utilize apple wood, French briar, ebony, birch, red gum, and olive wood.

FREE TO FARMERS

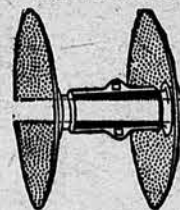
By special arrangement RATEKIN'S BIG 1915 CATALOGUE, with sample of SUDAN GRASS SEED, the most valuable new crop, will be mailed free to every reader of this paper who is interested in Garden, Farm and Field Seeds. Send along the names of your neighbors who buy Seeds. This book tells how to make the Farm and Garden pay. It is worth DOLLARS to all who plant or sow. Mention this paper. Address RATEKIN'S SEED HOUSE, Shenandoah, Ia.



Janesville
Non-Binding
Disk
Boxes

"Straight-away Pull" Saves the Team

Here is a harrow that cannot bind in the disk boxes. The above shows a true position of the disk in the Janesville and Budlong harrow. As you will



note, the bearings set flat against the disk boxes—the wear on the spool is equalized—oil gets to all parts—bearings last longer—the team has less of a load to pull.

The illustration above is, as accurately as we can make it, a reproduction of what takes place in the disk box on the ordinary harrow. Side strain and twisting grind down one end of the bearing. This means short life for the bearings—possibility for breakages and needless expense for you. Ask your dealer to show you the

JANESVILLE and Budlong Disk Harrow

Note how the disks are hung so that they enter the ground like plow points. They get a straightaway pull from the drawbar—the only resistance is the cutting of the soil.

That's why our bearings last longer. And it's easy to see that it reduces the pull on the team.

We give you your choice of steel or wood bearings. All of our bearings are interchangeable, and we will replace any of our chilled bearings proving defective within the life of the machine.

We can give you any size disk—concave—plow cut—spading or cut-out—one or two levers—with or without tongue trucks and transports.

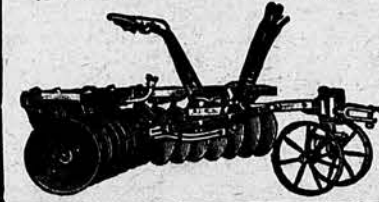
Write for Catalog

and read a little more about this work and money saving construction. You will find the same painstaking efficiency in Janesville plows, cultivators and corn planters, too. We have been building farm machinery for 56 years. Write today for literature helpful in your work.

JANESVILLE MACHINE CO.

42 Center St.

Janesville, Wis.



WANTED IDEAS Write for List of Inventions Wanted by manufacturers and prizes offered for inventions. Our four books sent free. Patents secured or Fee Returned. VICTOR J. EVANS & CO., 525 F Washington, D. C.

Ten Per Cent Down

and the balance in nine equal annual payments, with interest at 6%. are the terms upon which you can buy choice land in the North Platte Valley, Nebraska.

Omaha, Kansas City and Denver are the markets for your produce and livestock—none better in the United States.

This rich and productive land is cheap, compared with other sections. Authentic information free for the asking.

Write to me today.

R. A. SMITH,
Colonization & Industrial Agent, Union Pacific
R. R. Co., Room 4041, Union Pacific Bldg.,
OMAHA, NEB.

Co-operation Is Growing Rapidly

The rapid increase in co-operation among the producers of Kansas is the most interesting feature of farming in this state. Here are a few items clipped from the January issue of the American Co-operative Journal, which show the growth of the movement in one month:

ELK CITY—Farmers in the vicinity of Elk City have organized the Grangers' Elevator and Supply company. They have received their charter and were ready to buy grain January 1. The capital stock is \$5,000, and nearly all of it has been subscribed.

BENNINGTON—The Farmers' Elevator company at Bennington has built an addition to its elevator, and is making general repairs on its property.

ST. PAUL—A new storage warehouse has been built at this place by the Farmers' Grain company.

LINDSBORG—The Farmers' Union Elevator company of Lindsborg has been incorporated with capital stock of \$15,000. The new company probably will buy a local elevator.

WATERVILLE—The Farmers' Grain & Livestock company has purchased the elevator of H. C. Strohm, taking possession January 1.

CAWKER CITY—The Mitchel County Farmers' Union Co-operative association is undergoing an audit taken by the Wiggins-Babeck company of Lincoln, Neb. The audit reveals an unusually prosperous condition of the business of the association. At present it is operating five co-operative elevators, five co-operative stores, one co-operative cream station, and one co-operative oil station. The co-operative stores buy country produce and sell flour and feed to the patrons. Osborn county, adjoining Mitchel county, has a similar organization. The various Mitchel county projects are under the direction of a county manager, H. E. Witham.

CONCORDIA—One hundred farmers from north-central Kansas gathered at Concordia recently and organized the Northwestern Farmers' Union Co-operative association, with headquarters at Concordia. The association has 240 stockholders, and is capitalized at \$15,000. L. H. Appleby, Formosa, was elected president; M. E. Strain, Kirwin, vice-president; H. S. Rice, Delphos, secretary-treasurer, and A. F. Turner, Concordia as acting secretary and general manager. The association will handle the produce from co-operative stores and produce stations in northern Kansas and centralize the purchase of fruit, vegetables, coal, and twine.

HAYS—A farmers' elevator will be built at Hays by the locals of the Farmers' union in the territory tributary to Hays. Stock has been subscribed to the amount of \$10,000, and the necessary arrangements are being made to get the matter under way.

MINNEOLA—George W. Lawrence reports that the Minneola Farmers' Elevator company has made 100 per cent earnings this year. Last year the company, under another manager, lost several hundred dollars. The company is capitalized for \$10,000, and this year made more than \$10,000 in profits.

DOSTER (Caldwell P. O.)—The Farmers' Co-operative Elevator company has recently erected a new office building at Doster.

BLOOM—The Bloom Equity company has been incorporated with a capital stock of \$10,000. The company has a 25,000-bushel elevator, and is under the management of C. W. Bailey.

ELLSWORTH—Joseph Kvasnicka will take charge of the Farmers' Elevator company at Ellsworth, he having resigned recently as manager of the Farmers' company at Wilson.

Kansas Threshermen Will Meet

The Kansas Brotherhood of Threshermen will meet at Hutchinson, February 16 and 17. The headquarters will be at the Midland hotel. Tim Payne of Oskaloosa is secretary of this association.

Lying on cement is apt to bring lumps on the upper part of the legs of cattle. Either bed deep or plank the cement over.

-and think how
GOODa car **MUST**
be before that
name goes on it

Simply "—because it's a Studebaker" is the strongest guarantee that you can want of the quality of this car. And you can readily see the reason, too, when you think what that name of Studebaker means to you—when you think of the confidence that your fathers and millions of other men have had in it for 63 years past—and THEN, think of the pride that Studebaker must have in a name that a NATION has trusted so long.

You know yourself that, in Studebaker's place, you'd spare no effort to make Studebaker Cars as **GOOD** as they **CAN** be. And that is what Studebaker **DOES**.

This is the reason that Studebaker manufactures Studebaker Cars **COMPLETE** in Studebaker factories. For **COMPLETE** manufacturing not only does away with the parts-makers' profits and *lowers the price*, but enables Studebaker to put *more quality* in its cars.

That is the reason, too, that Studebaker gives so much time, so much expense to the study of its steels and its design and its motor—to get *more quality* into them.

And that is the reason, too, that Studebaker, knowing the farmer's needs so well, has made this **FOUR** the ideal car for use on country roads—given it *overabundance of power*—made it **EASY**-riding and so **EASY** to drive that it answers the lightest touch of two fingers on the wheel—given it balance and alignment that cuts the **UPKEEP** cost to the bone.

But when you **SEE** this **FOUR** at your local Studebaker dealer's and see how much you can get for \$985—and when he tells you of the National Service organization that guarantees you Studebaker Service wherever you go—you'll appreciate even more what it means to buy a car with a name you **KNOW**—to buy it

- because it's a
Studebaker

FOUR
\$985

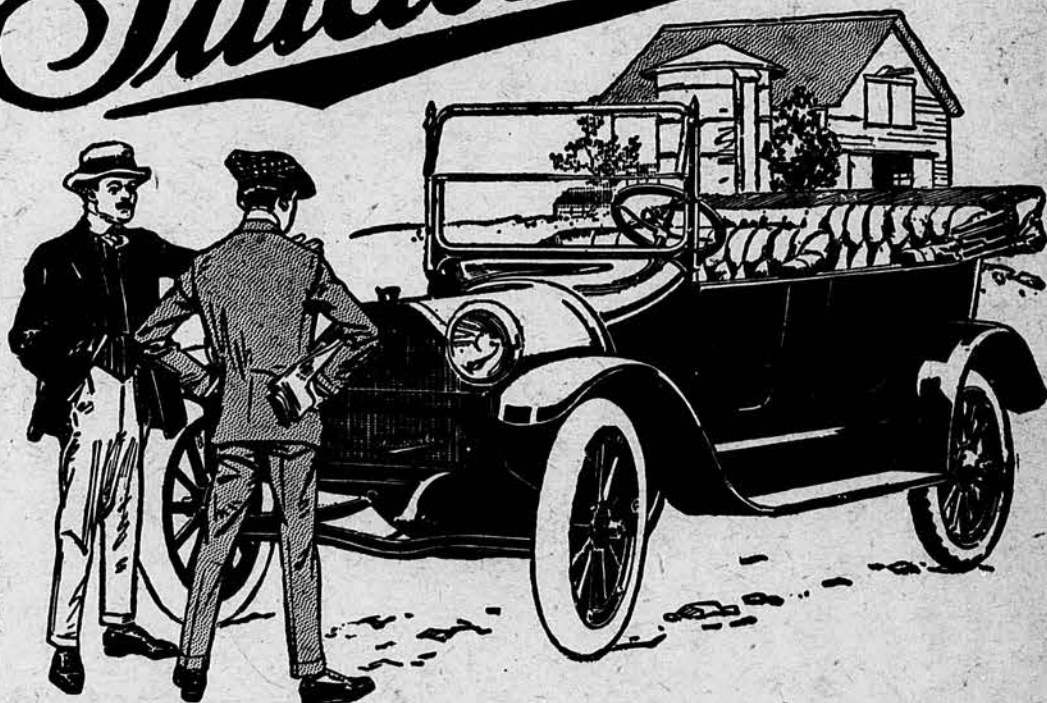
Electric Lights
Electric Starter

Electric Lighting and Starting—FULL Floating Rear Axle—Timken Bearings—Safety Tread Rear Tires—One-man Type Top.

Studebaker ROADSTER, . . . \$985
Studebaker FOUR, . . . 985
Studebaker LIGHT SIX, . . . 1385
Studebaker SIX, 7-passenger, 1450
F. O. B. Detroit

Write for
"The Story of Studebaker"

Address Dept. F28 STUDEBAKER — DETROIT



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

The story describes the hardships, disappointments and final success of two young Englishmen seeking their fortunes as farmers in the Canadian Northwest. Through it all there runs the love tale of Ralph Lorimer, a plucky young man who refuses to let "ill luck" down him, and Grace Carrington, daughter of a wealthy English landowner. In the installment last week Lorimer had faced death to rescue Grace from drowning in a mountain torrent and had carried her to an abandoned cabin while her father and Ormond, a rival for Grace's hand, are searching for her. Lorimer asks for Grace's hand in marriage but Colonel Carrington denies him. Grace promises to wed no other man. The railroad is finished and its opening is celebrated. Lorimer's uncle, Martin Lorimer, and Alice, his daughter who secretly loves Ralph, journey from England to attend the opening.

A GENEROUS OFFER.



I was late in the afternoon of the next day when Harry and I sat figuring in our shanty, while Johnston lay on a heap of cedar twigs sucking at his pipe and encouraging us languidly.

"I never could stand figures, and that's perhaps why I'm poor," he said. "Go on, you are doing famously, and, though Ralph can't add up correctly to save his life, I'll take your word for it."

He formed a characteristic picture of the free lance as he lay there, bronzed and blonde-bearded, with his massy limbs disposed in an attitude of easy grace, awaiting the result with a careless unconcern until Harry flung a long boot at him as a signal for silence.

"As the surveyor told you, Ralph, we can't well lose money on this last venture, even if we wanted to," said Harry at length. "You'll observe I'm almost getting superstitious. Now, on cashing the order, we can repay your loan, keeping back sufficient to meet emergencies, while with the rest one of us could return to Fairmead and plow every available acre for next spring's sowing. Many things suggest that you are the one to go. Johnston and I with the others could get the timber out during the winter—we have worked in the snow before—and I would join you in the spring. That, however, again raises a point that must be settled once for all. Are we to hold on to our first ambition, or turn contractors?"

Again there was a silence through which the roar of the river reached us brokenly, and for some minutes I breathed the smell of hot dust and resinous twigs that entered the open doorway.

"I hold on to the first," I said finally. "And I stand by you," answered Harry.

Simultaneously we glanced at Johnston, who looked up with the same gay indifference he had manifested when we floundered half-fed, knee-deep in slush of snow. "I'll save you unpleasant explanations," he said. "I'm a stormy petrel, and the monotonous life of a farmer would pall on me, so I'll see you through the railroad contract, and then—well, I'll thank you for a space of pleasant comradeship, and go on my way again. The mountain province is sufficiently good for me, and some day I'll find either a gold mine in it, or, more likely, a grave. If not, you can count on a visit whenever I am hard up and hungry."

The words were typical of the man, though their undercurrent of melancholy troubled me; but, for we knew he spoke the truth in regard to the farming, the matter was settled so. I should much have preferred that Harry return to Fairmead, but it was clear that the task most suited me. Perhaps Johnston guessed my reluctance, for he said playfully: "Is not banishment worse than snow slides or the high peak's frost, and what are all the flowers of the prairie to the blood-red rose of the valley that was grafted from Lancastrian stock?"

Thereupon Harry deftly dropped an almost-empty flour bag on his head, and the consultation broke up amid a cloud of white dust.

"This," remarked Johnston, "is the beginning of riches. Two days ago, he would have carefully swept up the fragments to make flapjacks."

Thus it came about that the next morning I boarded the main line express, and traveled first-class with a special pass.

It was toward noon when I left the cars at a station looking down upon a broad reach of sunlit river which wound past maples, willows, and a few clearings through a deep valley. Martin Lorimer and Alice met me on the platform, and his greeting was hearty.

We reached the pretty chalet hotel, which was hardly completed then, though it is a famous resort now, and it was a new experience, after faring hardly on doughy flapjacks and reistit pork of our own cooking, to sit at a well-ordered table covered with spotless linen. Still better did it seem to see Alice smiling upon me across the flowers in the glasses and sparkling silver, and Martin Lorimer's cheery face as, while he pressed the good things upon me, we chatted of old times and England. It is only through adversity and hardship that one learns to appreciate fully such an interlude.

My uncle had, however, not yet recovered his strength, and when later his eyes grew heavy Alice whispered that he usually slept in the heat of the afternoon, and I was glad to follow her into a garden newly hewn out of the forest. We sat there in scented shadow under the branches of giant redwoods, with the song of rippling water in our ears, and I remember taking Alice into my confidence about the mysterious loan. She listened with interest, and once more I noticed how ill she looked. "You have more good friends than you think, Ralph; and it was of service to you, was it not?"

"Yes," I answered with emphasis. "Of the greatest service! Perhaps it saved us from ruin, but at first I almost decided not to touch it."

Alice laughed a clear laugh that mingled musically with the call of a wood pigeon in the green dimness above.

"You need hardly tell me that—all great men have their weaknesses; but seriously, Ralph, don't you think if the good friend desired to keep it a secret it is hardly fair to try to find him out? No, from what you tell me, I hardly think you will unravel the mystery while the donor—lender, I mean—lives. Besides, even if you never do, you can repay it by assisting some hard-pressed comrade in distress. Yes, I should fancy the person who lent it would prefer that way. However, I want to tell you about your sister Aline. She has grown into a handsome young woman, too handsome almost to fight her own way unprotected in the world, but she is like yourself in some respects, and will neither live with us nor let your uncle help her. She is teaching now—do you know what women are paid for teaching in some private schools? And I don't think she is happy. The last time I saw her I almost cried afterward, though she would only tell me that she was looking for sunlight and air. Even her dress was worn and shabby. Ralph, you know how old friends we are, and I have been wondering—you really must be sensible—whether I could help her through you?"

Something stung me to the quick, and I clenched one hand savagely, for in the grim uphill battle I had nearly forgotten Aline. It was so long since I had seen her, and when each day's hard work was done we were almost too tired to think. Still, my brow was crimson with shame when I remembered that my sister went, it might be, scantily fed, while what plans I made were all for my own future and Grace. "That is my part," I answered hotly. "She should have written frankly to her brother."

Alice stopped me. "You do not understand women, Ralph, and she knew that you too were struggling. Neither do I see how you can help her now, and it would be a favor to me. It is beyond the power of any vigorous man with a task for every moment to realize what it means to sit still weak and helpless and know that even wealth cannot bring respite from constant pain. Active pleasure, work and health have been denied me by fate, and my life cannot be a long one. It may be very short, though your uncle will not allow himself to believe it, and I long to do a little good while I can. Ralph, won't you help me?"

With a shock, I realized that she spoke only the plain truth. Indeed, her thin eager face contracted then, and ever afterward I was glad that moved by some impulse I stooped and reverently kissed her fragile hand.

"You were always somebody's good angel, cousin," I said; "but I am her brother, and this time I can help. I am going back to the farm at Fairmead, and, if she is longing for open air, do you think she would come and keep house for me?"

Alice blushed as she drew away the white fingers, but she showed her practical bent by a cross-examination, and eventually she agreed that though there were objections the plan might be feasible.

"You write to her by the next mail," she said, "and I will write too—no, it would be better if I waited a little. Why? You must trust my discretion—

even your great mind cannot grasp everything. Now I want you to tell me all about Miss Carrington."

Alice had a way with her that unlocked the secrets of many hearts, and the shadows had lengthened across the lawn before the narrative was finished. I can still picture her lying back on the lounge with hands clasped before her, a line of pain on her brow, and the humming birds flashing athwart the blossoms of the arrowhead that drooped above her. Then, glancing straight before her toward the ethereal snows, she said with a sigh:

"I can see trouble in store for both of you, but I envy her. She has health and strength, and a purpose to help her to endure. Ralph, there is always an end to our trials if one can wait for it, and you both have something to wait for. Hold fast, and I think you will win her—and you know who will wish you the utmost happiness."

It was some time after dinner and the woods were darkening, when Martin Lorimer and I sat together on the carved veranda. He lit a very choice cigar, and when I had done the same he leaned forward looking at me through the smoke, as changing by degrees into the speech of the spinning country, he said:

"You'll listen and heed well, Ralph. You went out to Canada against my will, lad, and I bided my time. 'He'll either be badly beaten or win his footing there, and either will do him good,' I said. If you had been beaten I should have seen to it that my only brother's son should never go wanting. Nay, wait 'til I have finished, but it would not have been the same. I had never a soft side for the beaten weakling, and I'm glad I bided. Now, when you've proved yourself what Tom's son should be, this is what I offer thee. There's the mill; I'm old and done, and while there's one of the old stock forward I would not turn it over to be milled and muddled by a limited company. Saving, starving, scheming, I built it bit by bit, and today there's no cotton spun in Lancashire to beat the Orb brand. There'll be plenty of good men under thee, and I'm waiting to make thee acting partner. Ay, it's old and done I'm growing, and, Ralph Lorimer, I'm telling thee what none but her ever guessed before—I would have sold my soul for a kind word from thy mother."

For a time, almost bewildered by the splendid offer, I stared blankly into the eddying smoke, while my thoughts refused to concentrate themselves, and I first wondered why he had made it to me. Now I know it was partly due to the staunch pride of race and family that once held the yeomen of the dales together in foray and feud, and partly to a fondness for myself that I had never wholly realized. Then it became apparent that I could not accept it. Grace would pine in smoke-blackened Lancashire, as she had told me, and I knew that the life of mill and office would grow intolerable, while the man who acted as Martin Lorimer's partner would have small respite from it. There was Harry also, who had linked his future with my great project. But the offer was tempting after the constant financial pressure, and for another minute the words faltered me.

"I am awaiting my answer, lad," said Martin Lorimer.

Then I stood up before him as I said slowly: "You are generous, uncle—more than generous, and it grieves me that the answer can only be—no. Give me a few moments to explain why this must be so. I could never settle down to the shut-in life; and half-hearted work would only be robbery. You would demand his best from your partner, wouldn't you?"

"I should, brain and body," said the old man, grimly watching me with hawk-like eyes, for there was a steely underside to his character.

I leaned one elbow on the back of a chair as I continued: "I could not give it. Besides, I have set my heart on winning my own fortune out of the prairie—I am in honor bound to my partner Lorraine in this, and—I can never leave Canada until the lady I hope to marry some day goes with me. You saw her at the opening ceremony—Miss Carrington."

Martin Lorimer smote the table, which, when excited, was a favorite trick of his.

"Thy wife!" he said stupidly. "Art pledged to marry Miss Carrington of all women, lad? And does she care for thee?"

"I trust so," I answered slowly, as I watched the frown deepen on the old man's face. I dreaded the next question, which came promptly:

"And what does the iron-fisted Colonel say as to thee for a son-in-law?" It took me at least five minutes to explain, and I felt my anomalous position keenly during the process, while, when the story was finished, Martin Lorimer laughed a harsh dry laugh.

"Ralph, thou'rt rash and headstrong and a condemned fool besides," he said. "Thee would never have made a

(Continued on Page 28.)



Rheumatism

Just put a few drops of Sloan's on the painful spot and the pain stops. It is really wonderful how quickly Sloan's acts. No need to rub it in—laid on lightly it penetrates to the bone and brings relief at once. Kills rheumatic pain instantly.

Mr. James E. Alexander, of North Harpwell, Me., writes: "Many strains in my back and hips brought on rheumatism in the sciatic nerve. I had it so bad one night when sitting in my chair, that I had to jump on my feet to get relief. I at once applied your Liniment to the affected part and in less than ten minutes it was perfectly easy. I think it is the best of all Liniments I have ever used."

SLOAN'S LINIMENT

Kills Pain

At all dealers, 25c.
Send four cents in stamps for a TRIAL BOTTLE

Dr. Earl S. Sloan, Inc.
Dept. R. Philadelphia, Pa.

Prof. Evvard's

New Book on Hog Feeding Sent FREE

Your simple request—just a postal or a letter—brings this great book on hog-feeding absolutely free. Worth many dollars. Written by Prof. John M. Evvard of Iowa Experiment Station. Tells how to feed

BIG BRAND MEAT MEAL DIGESTER TANKAGE

Big Brand Digester Tankage is a product of Morris & Company's big packing plants. Builds sound hog flesh at a less cost per hundred pounds than any other hog-feed supplement. Contains not less than 60% (1200 lbs.) Protein. Write today for Prof. Evvard's Book. We'll send it FREE.

MORRIS & COMPANY
Dept. 113, U. S. Yards, Chicago
Plants at Chicago, East St. Louis, Kansas City, So. Omaha, So. St. Joseph and Oklahoma City.

PROTEIN DUCES FIT

EARN COST THEN PAY. TILE SILO. Chain of Kilns; Atlantic to Rio Grande. Reduces freight cost; fire and frost-proof; weighs anywhere from 100 to 1000 lbs.; guaranteed; priced at your town's 5 per cent. quantity; from sample. Kalamazoo Tank & Silo Co., Kalamazoo, Mich.

Ewing Has Profitable Cows

His Ambition Has Been To Build Up a Permanent and Substantial Dairy Farming Business

T. M. EWING of Independence is a leader in the movement to make Montgomery county the Holstein center of southeastern Kansas. He has some good foundation stock in his herd. The aim has been to build up a permanent and substantial dairy farming business.

"I think that dairy farming and Holsteins have a great future in southeastern Kansas," said Mr. Ewing a few days ago. "Dairy farming is much more profitable than grain farming. More than this, dairying will conserve the fertility of the soil, which is a much needed thing. I think that the present interest in dairying in Montgomery county will result in a great deal of benefit to the farming industry."

Methods of M. J. Seberger

A cow should stand dry from six to eight weeks before calving, says M. J. Seberger in Hoard's Dairyman. During that time I feed her 2 pounds corn and cob meal, 2 pounds ground oats, and 1 pound oil meal daily with good hay and corn silage. On the day of freshening I feed her clover hay only. When the calf is born I take 2 pounds of oats in a large bucket, then put 1 gallon of hot water on the oats, let it stand about an hour; then I add a tablespoonful of salt and pour on some cold water, leaving the contents of the bucket a warm drink which I give to the cow. I see to it that the stall has been thoroughly disinfected and after the cow has cleaned I wash her out with a warm solution of disinfectant. I am also careful not to draw all the milk from the cow's udder for a few days in order to prevent milk fever. The first two days I don't give the cow any protein feed but plenty of good hay and 4 pounds of corn meal. The third day I add 3 pounds of balanced ration and after that I gradually decrease the corn meal and increase the balanced ration according to her production.

My most successful way of handling a calf is to allow it to take about two quarts of milk from its mother 1 or 2 hours after birth and allow the calf to draw about two quarts each time twice a day for two days. Then I feed the calf from the bucket, using its mother's milk. If the calf is thrifty and of ordinary size I give it 6 pounds of whole milk, adding a teaspoonful of warm water. This amount I feed twice a day for a few days. After that I increase the milk to 7 pounds and add a little more warm water. My calves seldom have scours. I keep close watch of their bowels, and as soon as I see that the calf has not the best appetite, even though it drinks readily, I reduce nearly all the milk at once for a feed or two until the appetite is right again. The amounts of milk and water mentioned are sufficient until the calf is about 2 months old; after this I gradually decrease the milk until the calf is about 4 months of age. When a calf is 2 or 3 weeks old it has a desire to eat some dry feed after drinking its milk and then I start them on clover hay and a little chop feed. My grain ration for calves up to 6 months of age consists of 3 parts by weight of corn meal, 2 parts ground oats, 1 part wheat middlings, and one-half part oil meal.

Up to 2 months of age I give them all of this mixture and clover hay they will eat and nearly as much corn silage

as they want, as they will not eat more than they ought.

At 2 months I feed 2 pounds grain and gradually increase this amount up to 6 pounds when they are 6 months old.

Heifer Has Foot Mange

I have a heifer 18 months old that has a layer of scabs from the hock to the hoof on each of her hind legs. This is a fine heifer and has been fat and well cared for all of her life. Can you tell me what is the matter? W. T. W. Comanche County.

I believe that your heifer is affected with a form of mange known as "foot mange" the treatment of which is as follows: Wash the scabs off thoroughly with green soap and water, and clip the hair over the affected parts as short as possible. Then apply the following mixture:

Oil of tar 2 oz.
Green soap 2 oz.
Flowers of sulphur 4 oz.
Alcohol sufficient to make 1 pint.

This mixture is to be applied once or twice a week. R. R. Dykstra. Kansas State Agricultural College.

Another Record Cow

Preliminary reports indicate that the Holstein-Friesian heifer Keystone Beauty Plum Johanna No. 161646 has broken the record for fat production in the junior 3-year class of the "eight months" division, by producing 16,753 pounds of butterfat from 402 pounds of milk, in seven days. She freshened at the age of 3 years, 3 months, 23 days, and began her record 257 days from freshening. Her sire is King Beauty Pietertje De Kol No. 50758, and her dam is Cornucopia Plum Johanna No. 90522. She was bred by C. A. Pratt, Le Raysville, Pa., and is now owned by George E. Stevenson, Waverly, Pa. In the junior class of the "eight months" division she displaces Johanna Paul No. 95528, whose record for seven days, beginning 247 days after freshening, is 15,571 pounds of butterfat from 417.6 pounds of milk.

Remove the Calf at Once

Many dairymen believe that the best practice is to let the calf run with the cow for 24 to 48 hours. I believe it is better not to let the calf suck the cow at all. Remove it from the cow's sight as soon as dropped; milk the cow and feed the calf by hand. The advantage of this is that the cow and calf do not become attached to each other, and therefore do not fret when separated. The cow is much easier to handle, and does not try to hold up her milk, if the calf never has run with her.

The calf should be fed within a short time after its birth, and must be fed its mother's milk. The milk from another cow will not answer, as the milk from a fresh cow is different in composition from what it is a month later. It contains a much larger per cent of albumen, and is nature's laxative, provided purposely for the new born calf. Linn County. H. C. G.

Spasmodic salting, a handful in the manger when you happen to think of it, is not the best way.

In case of a sudden freeze tie sacking over the horse's feet to get him to the blacksmith shop.

It's cheaper to fill the old well with dirt than with a three-year-old colt.



Holstein Cows on the Farm of T. M. Ewing of Independence, Who Says Dairying Has a Great Future in Southeast Kansas.

On Their Feet Again

HUNDREDS of farmers

and dairymen have

felt the joy of see-

ing sick and ailing

cows restored to health

and productiveness by

the use of KOW-KURE,

the great cow medicine.

This wonderful remedy

has proved its worth for over twenty years in the preven-

tion and treatment of ailments which sap the life and

strength of dairy cows—such as Abortion, Retained

Afterbirth, Barrenness, Milk Fever, Scouring and Lost

Appetite.

Many backward cows are overfed with so-called stock

foods when what they really need is a medicine that will

tone-up the system and repair the sluggish digestive and

genital organs. HEALTHY cows will thrive on nature's

food and produce more and better milk.

If you have a cow that is below par, go to your druggist

or feed dealer and try a package of KOW-KURE; the

result will surprise you. Sold in 50c and \$1.00 packages.

Write today for free treatise, "The Cow Doctor."

Dairy Association Company

Lyndonville, Vt.



Save Your Calves

Contagious Abortion in cows is robbing thousands of farmers. Loss runs from \$15 to \$25 per year per cow. Stop it. Protect your herd with Dr. David Roberts' Anti-Abortion Treatment. Sold direct; you from our laboratories and applied by yourself. It overcomes the germs—1. In the mother's blood. 2. In the genital organs. 3. In the udder. Dr. Roberts' Live Stock Prescriptions are sold by druggists—a treatment for every ailment. There are over 2500 Roberts agencies in U. S. If not in your town, write us direct.

DR. DAVID ROBERTS VETERINARY CO.
6667 Wisconsin Ave., Waukegan, Wis.

Ask for free book—let on Abortion in Cows.



Special Consulting Service

Dr. Roberts will personally answer any and all questions pertaining to live stock ailments, and will advise you how to care for and feed your animals, upon receipt of one dollar.

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.

Get My 1915 Catalog Free

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 1915 sliding scale, profit-sharing price schedule 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



UDDER-EASE promptly cures udder troubles of all kinds; indispensable in dairy. Send name and address for big 15-cm. 21 cm. Udder-Ease, use it 15 days, then pay if satisfied. Write today. Mitch-Tetherow Pharm. Co. 329 R. A. Long Bldg. Kansas City, Mo.

\$15.95 Upward ON TRIAL

AMERICAN CREAM SEPARATOR

A SOLID PROPOSITION to send fully

guaranteed, a new, well made, easy

running, perfect skimming separator

for \$15.95. Skims warm or cold

milk; making heavy or light cream.

The bowl is a sanitary marvel, easily

cleaned.

ABSOLUTELY ON APPROVAL

Gears thoroughly protected.

Different from this picture, which

illustrates our large capacity

machines. Western orders filled from

Western plants. Whether your

dairy is large or small write for our

handsome free catalog. Address:

AMERICAN SEPARATOR CO.

BOX 3092 Bainbridge, N. Y.

RIDER AGENTS WANTED

In each town to ride and exhibit sample 1915

"Ranger" Bicycle. Write for special offer.

We ship on Approval without a cent deposit,

allow 30 DAYS FREE TRIAL, actual riding

test, and prepay freight on every bicycle.

LOWEST PRICES on bicycles, tires and

sundries. Do not buy until you receive our cata-

logue and learn our unheard of prices and mar-

velous special offer. Tires, coaster-brake rear

wheels, lamps, parts, sundries, half usual prices.

MEAD CYCLE CO., Dept. N-177, CHICAGO, ILL.

PRIZE COUPON NO. 3

If you will sign your name and address on the space provided below, and send this coupon to us at once with 25 cents (silver or stamps) to pay for a one-year new, renewal or extension subscription to The Missouri Valley Farmer we will send you as a free prize, postage prepaid, a copy of the popular new book, "The Panama Canal as Seen by a Kansan," written by Arthur Capper, publisher of the Valley Farmer.

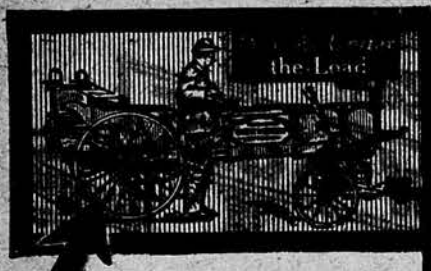
This is the newest and most interesting story of the great Panama Canal. It is well printed and profusely illustrated. It's free on this special offer.

The Valley Farmer, Dept. P. C.-3, Topeka, Kan.

I enclose 25 cents to pay for a one-year (new), (renewal), (extension), subscription to The Valley Farmer. You are to send me free, a copy of Arthur Capper's new Panama Canal Book.

My Name.....

Address.....



Great Western Low Down Spreader

Is the easiest to load. Saves back-breaking strain of lifting over high wheels. **Lightest of draft**—short wheel base—roller bearings—front wheels cut under—turns in its own length—simple drive—lowest upkeep cost. The Great Western has made good for more than 14 years. Over 100,000 satisfied users in all parts of country will tell you that the Great Western means dependable service and money saving durability. Write for Free Book. Get all the facts about spreader construction. Address:

Send for Free Spreader Book

ROCK ISLAND FLOW CO.
232 B Second Ave.
Rock Island, Ill.



The perfect tractor for the medium sized farm. Enables one man to do the work of several men with teams, in less time and at lower cost. Plows, harvests, operates all farm machinery and is unequalled for road work and general hauling. Gasoline or Kerosene for fuel. Three sizes, suitable for every requirement. Our prices and terms make it easier for you to own a HUBER than to be without it. Write today for FREE Catalog.

THE HUBER MFG. CO.
662 Center St. Marion, Ohio

Look Farmers

Bale your hay direct from wind-row or cock, with the Luebber Baler as fast as the same force will stack, thereby saving the waste in stacking, and much of the food value which otherwise evaporates. Capacity, two to three tons per hour. Hay can be baled when ready to stack. Write for Catalog and prices.

Bestric Baler Co.
Bestric,
Nebraska



6 H. P. \$96⁷⁵

1 1/2 H.P.	\$24.75
2 H.P.	28.75
3 H.P.	33.50
4 H.P.	38.50
5 H.P.	43.50
6 H.P.	48.50
8 H.P.	58.50
10 H.P.	68.50
12 1/2 H.P.	78.50

Many other sizes—all sold direct and fully guaranteed. BIG 22-PAGE CATALOG FREE. Write today.

OTTAWA MFG. CO., 211 King St., Ottawa, Kans.

Lice Proof Nests

Book Sent FREE



These wonderful, sanitary, patented nests (not a trap nest) can't get out of order—last a life time and earn their cost many times over. Regular price \$3.50, set 5 nests—special introductory price \$3.50, 3 sets (15 nests) \$10. Write for our free catalog, Gal. Steel Brood Coops, Runs, Chicken Feeders, Trap nests, etc. KNUDSON MANUFACTURING CO., Box 532 St. Joseph, Mo.

Hatches Every Chick

Poultry raisers ought to follow the simple and easy Buckeye system which positively hatches every hatchable egg. How to make \$200 a season with one incubator that costs \$7.50 is fully explained in a most interesting book which will be sent absolutely free to any reader who mentions this paper. Every one should write today for this valuable free book to BUCKEYE COMPANY, 640 Euclid Ave., Springfield, O.

Money Making Poultry

Our specialty. Leading varieties pure-bred chickens, turkeys, ducks and geese. Prize winners. Best stock and eggs. Lowest prices. Oldest farm. Fine 30th Anniversary catalog FREE. H. M. JONES CO., Box 146, Des Moines, Iowa

Care That Pleases Hens

Methods That Bring Eggs 12 Months in the Year

BY MRS. CHARLOTTE V. OFFER

TWO things are essential if winter eggs are desired: The hens must be from a laying strain and they must have proper care and feed. You may develop a strain of layers or you may purchase from a fancier who has made the building up of a line of layers his business. The best way to establish a laying strain is to set eggs early for several successive years and introduce new cockerels, annually, from some line known to be good layers.

As soon as the heavy laying season is over in the spring, cut down the feed about half, withholding those kinds that are feather-forming foods. This will cause an early molt. As soon as the old feathers are pretty well shed, gradually increase the rations again, being sure the hens have some form of meat food. The greater the variety the better. You know how a change in the menu pleases your palate.

Plenty of clean, fresh water should be placed where the fowls have access to it. Eggs are largely water. Grit should be in easy reach of the hens. Oyster shell, or some other form of lime should also be accessible, but don't feed oyster shell thinking it is grit, because it is not. The digestive fluids act on the oyster shell causing it to dissolve and something more flinty must be in the reach of the hens. Sharp, coarse sand is good and granite chips are better. We have paid \$1.35 for 100 pounds of grit and found it worth the price in the return in eggs. You know how people suffer when their "grinders" are out of order.

the aid of a sharp small knife blade. The charred hair may be washed off later.

Cut the legs off well below the knee joint. If the legs are cut above the knee joint the flesh on the drumstick will be pulled back from the end.

Cut the head off, leaving as much of the neck as possible, then push the skin of the neck back and cut the neck off quite close to the body. The envelope of the remaining skin gives the dressed bird a neater appearance. The neck bones with the adhering meat make a valuable addition to the giblets. The gullet and windpipe are, of course, on the neck and must be pulled away.

To remove the entrails, make an incision about 2 1/2 inches in length across the abdomen and as close to the vent as possible. In making this incision, be careful not to penetrate the intestine. Slip the fingers in first, and gradually insert the whole hand through the slit into the body cavity. Work the viscera loose from its attachments by sliding the fingers over the inner surface of the body walls. In this way, after a little practice, the viscera can be removed quickly and easily. The lungs will almost invariably tear, leaving shreds sticking to the back. These, and the kidneys of the chicken, which are two long, dark red bodies lying each side of the back bone and firmly fastened, should be removed in pieces. The rest of the viscera, including the crop which lies far front and just under the skin of the breast, when loosened will come out

Your Last Chance For Poultry Prizes

THIS is the last chance you will have to win that \$2.50 prize, or one of the three poultry books that the Farmers Mail and Breeze is offering for poultry letters. To be considered in this contest your letter must be in Topeka not later than January 27. Better not put it off any longer.

We should like to have a few letters about guineas. The growing of capons is another subject that few persons are writing to us about. Letters about incubators and the care of chicks are welcome.

Just because you are trying for the cash prize by telling how to plan a 100 hen poultry plant is no reason why you cannot also compete in the contest for the books. You can win first place in both contests, if your letters are good enough.

Poultry houses should be clean and free from drafts. Fear drafts as you would poison, but fresh air is a necessity. Whitewash the poultry houses early, putting a little carbolic acid in to disinfect. For winter eggs a scratching shed is a necessity. Scatter with straw or leaves to a depth of several inches and then toss in the grain and let the hens dig for it. When confined, fowls require less feed than when on free range and they ought to exercise to get it.

By these methods we secure eggs the year round. As a rule the American breeds, Rocks, Reds and Wyandottes can be depended upon to lay more eggs in cold weather than the smaller varieties because their bodies are larger and they are able to keep warm and at the same time provide eggs. Hens must have more than a "maintenance ration" to lay eggs.

How To Draw a Chicken

Hold the chicken by the legs and run it quickly over the flame from a loosely-twisted lighted newspaper which, for safety, may be laid in a coal bucket or ash tray. This will remove the fine hairs. Remove any pin feathers with

in a mass through the incision. The intestine is still attached to the bird at the vent. To separate it clearly, the tube should be picked up just as close to the vent as possible and its contents pushed well back from the vent. Then cut closely around the vent, holding the intestine tightly between the fingers to insure cleanliness. Run a stream of water through the slit into the body cavity in such wise that it flows out through the vent and cleans the short piece of intestine still remaining. Then cut both vent and intestine away, leaving a neat, round hole no larger than is necessary.

Shrunken wheat, caused by frost or drought, contains a larger proportion of protein than plump wheat because the starch, which is the last material stored in the grain, failed to reach it before growth ceased. As such wheat is unfit for flour-making, it usually may be purchased at a less price than fully matured wheat, while it is more valuable for feeding purposes.

W. A. Lippincott.

One of the best ways to get a hen's mind off the subject of egg laying, is to get her to thinking about cold feet.



These 10 Buff Wyandottes Laid 1,884 Eggs in 365 Days—Mrs. Opfer Believes in the Value of Large Breeds.



With cheap incubators, a Queen costs but little more and the chicks hatch sooner and are stronger than those from a common hen. I have operated about ten other incubators and your Queen is superior to any of them. I have tried other machines, high and low priced, and will say the Queen is the best incubator I ever saw. Ask for free book that tells how the Queen is built to hatch without trouble. Queen Incubator Co., 223 N. 2nd St., Lincoln, Neb.

Put Start You

and keep You Going Right in the POULTRY Business

My World-famous high-quality incubators and brooders, and my 20 Free Poultry Lessons make success easy and sure for you! Lessons given FREE to every purchaser of a

SUCCESSFUL Incubator or Brooder

With the free advice and lessons I give my customers, no one can possibly fail to make biggest hatches of strong chicks. Write me. A postal brings all facts, Book, prices and proposition.

"Proper Care and Feeding of Chicks, Ducks and Turkeys"—sent free to come. Successful Old Grain Sprinklers furnish green food, make hens lay in winter. Ask about my high grade poultry—all leading varieties.

J. S. Gilcrest, Pres. DES MOINES INCUBATOR CO. 345 Second St., Des Moines, Ia.

\$7.25 Mankato Incubator

You couldn't buy better at two or three times the price. California Redwood case, triple walls, asbestos lined, pure copper tank, automatic temperature regulator, safety lamp, everything included—strong money back guarantee. 150 chick brooder \$2.50; 240 chick brooder \$4.00—and up. Write for free book today. Mankato Incubator Co., Box 793, Mankato, Minn. Only \$10.25

John World's Champions

15 more championships won by owners of Belle City hatching outfits.

Belle City

21 Times World's Champion Free Book "Hatching Facts" tells whole story. My 2000 Gold Eggs come with free book—Money Back Guarantee. Hatching outfit shown in actual colors, Jim Nelson, Pres. Belle City Incubator Co., Box 21, Racine, Wis.

50 Best Posing Varieties

Hardy Northern raised Chicks, Ducks, Geese, Turkeys, Guinea, Pure-bred & mixed layers. Fowls, Eggs, and incubators All at Low Prices. Large New Poultry Book now ready—Send for. W. A. WEBER, Box 522, Mankato, Minn.

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

THIS BIG, 3 1/2 FOOT

TELESCOPE

FREE

This is a real telescope and not a worthless toy. It is made by one of the largest manufacturers in Europe. When closed, as shown in picture, the telescope is 12 inches long and has a circumference of 5 1/2 inches. When all 5 sections are pulled out the full length is over 3 1/2 feet. It is built of the best materials, brass bound throughout. We furnish with each telescope a solar eye piece for use in studying the sun and the solar eclipses. Eye piece can also be used as a magnifying glass to detect insects or germs in plants or vegetables.

Powerful Lenses

5 to 10 Mile Range

The lenses in this telescope are carefully ground and correctly adjusted by experts. See objects miles away. Farmer said he could count the windows and tell the colors of a house 7 miles away and could study objects 10 miles away which were invisible to the naked eye. Absolutely necessary for farmers and ranch men. They can keep their eyes on the cattle, horses or men when far distant.

Our Offer!!

We will send one of these big telescopes free and prepaid to all who send \$1.00 to pay for one year's new or renewal subscription to Mail and Breeze, and 25 cents extra for postage (\$1.25 in all). The Telescope is guaranteed to please you in every way or your money will be promptly refunded. Order at once. Address all letters to

Mail and Breeze

Elighth and Jackson, TOPEKA, KANSAS.



Scratchings

A damp hen house is a disease breeder.

High roosts and heavy hens are a bad combination.

Cull your flock, and discard all weakling stock.

You can't get something for nothing, even from a hen.

It pays to save fine leafy alfalfa for your chickens.

You don't see many ambitious hens in a drafty house.

Every successful poultry venture shows the result of brain work.

Mark your pullets that begin to lay early. They are the kind to raise.

Some people expect the hens to furnish the brains for the egg factory.

Use care to keep the eggs white and clean; it will pay in the long run.

It doesn't pay to feed \$1 wheat to a hen that does not lay. Make her lay.

Did you ever see a bunch of thrifty hens that had to live under a leaky roof?

Teach the young birds to roost indoors, before the cold, stormy weather comes.

Did you make a profit from your poultry last year, and how much? Keep a record.

When a fowl is badly affected with roup it is time to hold the funeral. Don't wait until half the flock is coughing.

Grain in the litter, in the early morning, increases the hen's circulation, and also the currency circulation.

The man who neglects to keep his hen house clean has to act as undertaker for some of his fowls every once in a while.

Maybe the feedway in your barn is covered with alfalfa leaves. This is just the sort of alfalfa that hens can turn into cash.

Small pieces of leaves from bright corn fodder make a relish that winter layers appreciate occasionally, in the absence of green feed.

Give the chickens a feed of warm corn just before they go to bed on cold nights; it will warm the cockles of their hearts, and that means eggs.

A hen does not prefer drinking water that has a film of kerosene over the surface, but it is good for her insides if there is any rump in the flock.

Study the methods of the man who has eggs to sell in the winter. One of his practices is to give his flock a little extra care now, so that they will start the winter in the best possible condition.

Yellow corn imparts a deeper color to the yolk of eggs than wheat or oats, and produces yellow flesh as a fattening ration.

W. A. Lippincott.

Milk may be fed either sweet or sour, but should be fed either one way or the other continually, for changing from one to the other frequently causes digestive troubles.

W. A. Lippincott.

Care should be taken to see that the constituents of the mash are evenly ground. Any coarse particles are likely to be picked out by the birds, while wasting the balance of the mash.

W. A. Lippincott.

Hot Feed Warms the Chickens

It is believed by some that hens are not benefited by being fed hot food, however the hot or warm mash is still recommended by many breeders as a fine morning feed in cold weather. It is claimed by some that the warm mash tends to produce colds and roup and if this is true, breeders should be very slow to feed hot mashes to their poultry. I am sure that a very hot mash would be injurious to poultry because extra hot or freezing cold food is very harmful to human beings and it would certainly be harmful to poultry. My advice would be not to feed the poultry

any frozen corn or grain of any kind, and to give them, in the morning at least, a warm feed.

Some will say that the lower animals are different from human beings. They will say that the quail and other wild fowls live in the woods and eat snow for a drink and frozen corn and weed seeds for food and are always hearty, plump and healthy; but the reason they are healthy is that none but the very strongest and best specimens survive the winter. Notice how the poultry draw up and suffer on cold, bleak days and how they will hustle for a nice warm mess of food, and how glad they are to get into a comfortable hen house. I do not believe in pampering fowls, but I do believe in giving them clean, comfortable houses with sunlight and fresh air and good food.

If you want your pullets to do well, never keep them with a cranky lot of cockerels. When the cockerels are put by themselves they will fight for a while, but they soon seem contented together. All the culls should be disposed of by this time with the exception of a few for table use.

Do not feed the fowls more than they will eat up clean. When running free the hen does not stuff full the first thing in the morning, but eats a little and then rests a while. Feed should be given in the same way, a little in the daytime and a good square meal in the evening to last during the night.

Never let a dollar or two stand between you and a good male bird. Remember that the male is just half the flock and his characteristics, good or bad, will be visible in every bird owing to him its parentage. If you have a good male bird and only have one or two good females, you are pretty sure of having a few good birds from them. If you are trying to raise fine exhibition stock you will be disappointed next fall if you do not have good stock bred in time to use in your breeding pens this next spring. A few fine specimens can be raised only when bred from the very best.

If possible have the hens lay in the nest boxes and not under the barn, in fence corners, here and there and everywhere. You want nice clean eggs for home use, for market or for shipping. Of course you can wash eggs, but washing takes off the fresh appearance and makes the eggs look dull. Keep the nests clean and teach the hens to use them. Warm water will remove dirt from the eggs, but vinegar is best for stains. It is also claimed that oxalic acid will remove stains from egg shells. This acid is poison.

Austin Long.

Here Are Some Good Layers

J. A. Wolfe of Topeka has been using trap nests in his poultry houses in order to ascertain which of his hens were his best egg producers, and along with gaining this information he has also found that some hens do sometimes lay two complete eggs in one day.

Mr. Wolfe has a White Wyandotte hen, now 2 years old, which laid her first egg February 15, 1913, and continued to produce an egg a day for 47 days before taking a rest. Her record for the year, ending February 14, 1914, is 237 eggs.

This hen started on her second year by producing an egg February 26, and up to and including June 4, she produced 72 eggs, and then became broody. On May 18 this hen laid two perfect eggs. Whenever she missed laying for one or two days, her next egg was either an extra large one or one containing two yolks. But she performed her greatest feat June 15 when she laid an egg within an egg. The outside shell of this remarkable egg measured 8 3/4 inches around the long way and 7 inches around the other way. This large shell contained the albumen and yolk of an ordinary egg, and also a complete normal-sized egg, shell and all. Contrary to the reports that most high producing hens are below standard weight, this good layer is an 8-pound hen. The standard weight of a Wyandotte hen is 6 1/2 pounds.

Mr. Wolfe has a pullet, hatched from an egg laid by the hen mentioned in the foregoing, that laid 82 eggs from February 1 to June 16, inclusive. On February 1, the day this pullet produced her first egg, she laid two normal eggs. She repeated this performance June 5.

We Lived On a Poultry Income

Let Us Tell You How We Did It

THAT was before Old Trusty sales began to grow. Our success with chickens was our main argument in encouraging others to hatch chickens for profit. In our farming experience we proved by actual demonstration that the chickens can give you an income big enough to pay all your living expenses and more. We tell about it in the Old Trusty book. Let us send you this book and show you how you, too, can live on a poultry income and save the profits you make in other lines. Write for it today.

Old Trusty

Still Less Than \$10.00. Has 580,000 Users

We dare say that you never heard of any other incubator with one-third as many users. We build Old Trusty so that you can get good big hatches in it any time, even in coldest winter—we give greatest value per dollar in price not only because of the good, reliable construction invented by M. M. Johnson, but because of the big factory output which lets us quote a price several dollars less than any other factory would have to ask. We send it on 30 to 90 days' trial and a 10 year guarantee.

Write Today for the Old Trusty Book

We'll not bound you for an order. That's not our style. All we ask is that you let us show you the way you can make more money out of your chickens than you ever have before. Then if you feel interested enough, you will use your own reason. Drop us a postal today for the book and see if we don't agree on the same idea.

Write for Low Price Based on 100,000 Sales this year. We Pay Freight East of Rockies.

M. M. Johnson Co., Clay Center, Nebr.

148 Chicks From 150 Eggs

I surely praise the Sure Hatch incubator. I have a 150 egg size. The first setting I put in 150 eggs and broke two the first week which left only 150 at hatching time. I got 148 chicks and never tested the eggs. We surely have had fine luck with our machine the past two years. Would not sell it and be without it for any money. My neighbors have other incubators and I beat them all. **NELLIE GARDNER**

Women and children find it easy to succeed with the Sure Hatch incubator

We can give you the names of tens of thousands who make a handsome, steady income with very little effort, and would not bother with hens or with any other incubator. The

Sure Hatch

Is Automatic in Operation

Any one can succeed with it, even if they have never seen an incubator before. It is a plain, simple, strong machine, so built that it can't go wrong. Will hatch in cold weather when others fail. We send with each machine complete instructions for operating that are very easily followed. We guarantee it 10 years and send it to you freight paid, on 60 days trial. Satisfy yourself by actual test that it is a quality machine in every respect. Your money back promptly if it is not all we claim for it. Poultry turns kitchen waste and other farm waste into ready money, and you can depend upon the Sure Hatch to bring you the chicks at the time of year you want to hatch them to get the best price for them. Write for our Free Illustrated Catalog, giving full information on Sure Hatch incubators and brooders, with much valuable information about poultry.

SURE HATCH INCUBATOR CO., Box 14, Fremont, Neb.

Ironclad

TRADE MARK

Wins in the Two BIGGEST HATCHING Contests Ever Held

Why take chances with untried machines when for only \$10 we guarantee to deliver safely, all freight charges paid (East of Rockies) BOTH of these big prize winning machines fully equipped, set up ready for use? Why not own an Ironclad—the incubator that has for two years in succession won in the greatest hatching contests ever held. In the last contest conducted by Missouri Valley farmer and Nebraska Farm Journal, 2000 machines were entered, including practically every make, style and price. With 140 egg Ironclad—the same machine we offer with Brooder, freight paid for only \$10, Mrs. C. F. Merrick, Lockney, Texas, hatched 148 chicks from 145 eggs in the last contest.

Both for \$10

Freight Paid East of Rockies

30 DAYS' FREE TRIAL

Money back if not satisfied.

MADE OF CALIFORNIA REDWOOD

140 Chick Brooder

IRONCLAD INCUBATOR COMPANY, Box 97, RACINE, WIS.

Railroad Style

To advertise our business, make new friends and introduce our catalogue of Watch bargains we will send this elegant R. E. style watch by mail, post paid for **ONLY 98 CENTS**. Gentlemen's size, full metal, silver plated case, luminous dial, lever movement, stem wind and stem set, a perfect timekeeper and fully guaranteed for 5 years. Send this advertisement to us with **98 CENTS** and watch will be sent by mail, post paid. Satisfaction guaranteed or money refunded. Send 98 cents today. Address **R. E. CHALMERS & CO., 538 So. Dearborn St., CHICAGO.**



Dwarf Straight Neck MILO Maize

Drought Resisting—White or Yellow—60 to 100 Bushels to Acre.

Earlier and more productive than Kafir or standard Milo. Thoroughly acclimated; stands great drought. Grown from seed that came from the U. S. Department of Agriculture. Grows only 3 to 5 feet high. The straight neck is a great advantage in gathering, feeding and cutting the heads.

FETERITA 80 to 50 days earlier than Kafir; greatest drought resister; yields 50 to 80 bushels to the acre.

SAMPLES FREE also big catalog and price list. Give prices on all field seeds in quantities. Choice of 2 well bound volumes. Ready Reference. Farm Guide or Cash Book. Free with early \$5. order.

BAEDEL'S SEED CO.
505 Main St., Lawrence, Kans.
104 14th St., Denver, Colo.
505 Main St., Okla. City, Okla.

TREES & SEEDS THAT GROW

I have a full assortment of Fruit and Ornamental Trees, Forest Tree Seedlings, Small Fruits, Grapes, Flowering Shrubs and Roses. I pay freight on \$10 tree orders and guarantee safe arrival. A few prices: Apple 7c; Peach 8c; Plum 17c; Cherry 17c each, all grafted. Concord Grapes \$2 per 100; Catalpa Seedlings, 18 to 24 in., \$4.00 per 1000.

Full line of Vegetable, Flower and Field Seeds, Grapes, Corn, Oats; Nebraska upland grows Alfalfa a specialty. All my seeds are strictly pure and high in germinating quality. Write for illustrated 1915 Tree and Seed Garden Book. It will help you in planning your Garden and Orchard planting.

GERMAN NURSERIES & SEED HOUSE
Box 50 (Carl Sonderberger) Beatrice, Neb.

Garden Book Free



Do You Have to be Shown?

I'm told that I have the best quality of seed, give the largest packages and have the most common-sense seed book in the bunch. And I'm willing to admit it.

Do you have to be shown? **NO!** I live close to the Missouri line and I'll "show" you. I'll send you the Seed Book and a package of garden seed, and you can judge for yourself. **NO CHARGE FOR EITHER,** and you need not even send the postage unless you wish.

I also have guaranteed Clover and Alfalfa, and all kinds of farm seed at Farmer's Prices. Shall I send you free samples of these also?

HENRY FIELD, Pres.
HENRY FIELD SEED CO., Box 60, Sheldahl, Iowa.

GOOD SEEDS

BEST IN THE WORLD

Prices Below All Others

I will give a lot of new sorts free with every order I fill. Buy and test. Return if not O. K.—money refunded.

Big Catalog FREE

Over 700 illustrations of vegetables and flowers. Send yours and your neighbors' addresses.

E. H. SHUMWAY, Rockford, Illinois

GOOD SEEDS

BEST IN THE WORLD

New Crop Grown at Farmer Prices. In addition a lot of extra FREE SEEDS thrown in with every order.

BIG SEED BOOK FREE

Our Grand Big Illustrated Catalog of all Farm and Garden Seeds is now ready and free to you. Write for it today. Send names and address of neighbors who buy seeds. Address

RATEKIND'S SEED HOUSE
SHENANDOAH, IOWA Box 18

WHITE SWEET CLOVER \$6.00 Bu.

BIGGEST MONEY-MAKER KNOWN—INVESTIGATE

The greatest forage plant that grows. Superior to all as a fertilizer. Equal to Alfalfa for hay. Excels for pasture. Builds up worn-out soil quickly and produces immense crops, worth from \$50 to \$125 per acre. Easy to get started, grows everywhere, on all kinds of soil. Don't delay writing for our Big 32-page free catalog and circular giving full particulars. We can save you money on best tested guaranteed seed. Sample Free. Write today.

A. A. BERRY SEED CO., Box 935 CLARINDA, IOWA

Northern KANSAS KAFIR and FETERITA Seed Heads

Kafir is Black hulled white, early maturing, heavy yielding; result of ten years' careful field selection. In head only. 5 cts. per lb. in any amount. Add postage for parcel post quantities.

J. W. BERRY, JEWELL CITY, KAN.

More Alfalfa For Allen

A special effort has been made by W. E. Watkins, the county agent of Allen county, to encourage the growing of alfalfa. In the two years he has been in that county the acreage has been increased from 2,000 to more than 5,000 acres. In speaking of growing alfalfa in that county, Mr. Watkins recently said:

"Alfalfa requires a sweet, well-drained soil, and one that contains plenty of available plant food. Although alfalfa is a soil builder, the returns from the crop on a wornout soil may be compared to the results secured from a high class dairy cow fed insufficient or indigestible feeds. Manure will pay greater dividends when applied to alfalfa than when applied to any other farm crop. One of the best proofs of the lasting effects of manure can be seen on the Fred Dunlap farm near Colony—a part of the alfalfa field was heavily manured eight years ago and the effect is still evident.

"Our white, ashy upland soil is sure to be sour because of poor underdrainage. Alfalfa on a sour soil seldom lasts longer than two years. An application of 2 tons of ground limestone an acre will overcome this defect. This one factor alone—limestone in the soil—makes certain parts of the county good alfalfa land. This "red" or limestone land includes large areas, north and west of Carlyle, and south and east of Humboldt; also smaller sections near Piqua, south of LaHarpe, along Marmaton Creek, and to a less extent around Bayard. Alfalfa is being grown successfully on this type of soil, even where there

weedy with foxtail and crab grasses. Clipping and cultivation with alfalfa cultivators such as the spike toothed disk and spring tooth harrows will help to get rid of the weeds. The ordinary disk harrow, if weighted and set almost straight, will cut out many of the weeds but may also cut out some of the alfalfa. A thin stand of alfalfa is far better than a good crop of weeds. In order to keep the field level, cultivations should be given across the field, both ways, and then harrowed. This method is universally followed.

"The yellow appearance of some of our alfalfa fields early in the season was due to a variety of causes, depending upon particular field conditions. Failure of the subsoil to carry off excess moisture, cutting the crop too early, lack of lime or inoculation and a disease—leaf spot—have been the principal causes of this condition.

"As the name indicates, alfalfa leaf spot is easily distinguished by the brown or black irregular spots that appear on both stem and leaves. The dropping of the lower leaves of the third cutting of alfalfa has been due largely to this disease, which is always present but seldom injurious. As soon as this disease appears the crop should be cut, in order to hold it in check. In a few fields the leaf loss probably will run 30 per cent. Mowing is the best remedy for this disease, whenever it appears. On some of our farms this yellowish color of alfalfa is merely a warning of the approaching end of the crop, due to 'sour' soils or lack of sub-surface drainage."

His Seed Contained Weeds

Several farmers in this community sent to Kansas for Sweet clover seed about a year ago. I have a fair stand of Sweet clover and a great deal of Russian thistle, something that I never saw before. What can I do to get rid of it? Can I get damage from the man who sold it to me? Kansas has a pure seed law, I believe. What are the provisions of this law?

Garber, Okla. R. N. ALLEN.

Kansas has no pure seed law, but a pure seed bill will be introduced at the present session of the legislature.

I do not know whether you can obtain damages from the man who sold Sweet clover seed containing Russian Thistle or not. Damages of this kind are rather difficult to prove, although they have been obtained in some cases, as in a New York case where a man bought alfalfa seed and obtained damages in a somewhat similar instance. You should consult an attorney about this and should take into consideration the question of whether the amount of Sweet clover seed bought will warrant the risk of a suit.

With regard to the Russian Thistle, there is nothing you can do except to put the land into a cultivated crop and cultivate the thistles out. Cut the Sweet clover next season, and next fall plow it up, and in the spring put the land into corn. Plant the corn a little late, in order to give the thistles a chance to start first. Go over the land with a disk before planting and kill all the young thistles that have come up. You probably are learning that it pays to send seed to an experiment station to be analyzed for purity before planting. Such a precaution would have saved the annoyance and loss involved in the present case.

H. F. Roberts, Botanist.
Kansas Experiment Station.

Nuts in Eastern Kansas

Do you know where we could obtain some good size walnuts for seed? Will not pecans, almonds, filberts and butternuts grow and bear in this state?

Eureka, Kan. H. P. REESE.

I believe you will have no difficulty in growing the native pecans on low ground in your section. They grow quite well a little farther down Spring Creek or Fall River. They are quite abundant in the vicinity of Fredonia, and in case you want to get some nuts for planting I suggest that you write to Walter J. Burtis of Fredonia. I am quite certain he can obtain pecans for you for planting. It is out of the question to grow almonds, filberts and butternuts in your section. The only nuts that I should advise you to plant are black walnuts and pecans.

C. A. Scott,
Kansas State Forester.

Instead of worrying over past mistakes, brace up and resolve to do better in the future.

Carrots should be so irrigated as to be kept in a good growing condition.

SEEDS

Free, Reliable, Pure
Guaranteed to Please

Every Gardener and Planter should test the superior merits of Our Northern Grown Seeds.

SPECIAL OFFER

FOR 10 CENTS

We will send postpaid our

FAMOUS COLLECTION

1 pkg. 50 Day Turnip	10c
1 pkg. Princess Radish	10c
1 pkg. Self-Growing Celery	10c
1 pkg. Early Arrow-head Cabbage	10c
1 pkg. Fullerton Market Lettuce	10c
Also 15 Varieties Choice Flower Seeds	10c
Total	\$1.00

Write today! Send 10 cents to help pay postage and packing and receive the above "Famous Collection," together with our New and Instructive Garden Guide.

GREAT NORTHERN SEED CO.
229 Rose St. Rockford, Illinois

SUDAN GRASS

THE HAY PROBLEM SOLVED

Sudan Grass solves the hay problem. It grows in droughts and flourishes in wet seasons. Under every condition it makes big crops of hay. Tall annual grass ranging in height from six to ten feet. Matures in ninety days from planting. And second crop is ready for harvesting within thirty days after first cutting. Stock prefer it to other grasses and it makes splendid ensilage. In arid districts it is planted in rows thirty-six inches apart.

The Big New 1915 GRISWOLD Seed Book tells all about the many new varieties of Grain, Grass, Vegetable, Flower and Field Seeds. The pages are crowded with helpful information for the farmer. You need this book. It was written to help you and is free. Learn about the new Forage Crops, Feterita, Semipalmated Alfalfa, Sweet Clover and Marquis Spring Wheat, John Bar Tomato, Lemon Cucumber, Copenhagen Market Cabbage. Send for the 128 page free book TODAY. It will save time and money and pay you in many ways.

GRISWOLD SEED COMPANY
141 South 16th Street Lincoln, Nebraska

SURE CROP SEEDS

Hardy Northern Grown. Vigorous Crosses.
DIRECT from the GROWER to the SOWER.
Save the Middleman's Profit.

SPECIAL OFFER ONLY 10c

A Dollar's Worth for a Dime

To get acquainted we offer you OUR BIG GEM COLLECTION of Flower and Vegetable Seeds, comprising one big package each of Giant Aster, Mignonette, Dianthus Pink, Zinnia, Candytuft, Cosmos, California Poppy, Early Red Onion, Early Summer Cabbage, Royal Gem Radish, Early Curled Lettuce, Purple Top Turnip, Perfection Tomato, Golden Heart Celery, and Long Standing Spinach.

15 SEPARATE PACKAGES

To cover postage & receive **SEND 10c TO-DAY** above Big Gem gain postpaid together with Our Big Illustrated 1915 Seed and Plant Guide.

GORDON BROS., Seedmen
810 W. State St., Rockford, Illinois

RELIABLE WINFIELD TREES

PURE-BRED—TRUE TO NAME

Buy direct from the Grower and save agent's commission of 40 per cent. A postal brings our new Catalog, with colored plates, and Wholesale Prices.

COOPER & ROGERS,
Box "E", Winfield, Kansas.

Galloway's Porterhouse Tomato FREE

I am always on the look out for new ideas. I found a corker in the way of a tomato. Exceptionally big, firm and meaty. Just like a beefsteak. That's why I named it "Porterhouse". I will give my 1915 customers some of this seed free. Write today for special proposition and beautiful colored catalog of new and standard varieties of seeds. Galloway Bros. & Co., 44 Galloway Station, Waterloo, Iowa

BERRIES OR COTTON

Real Prosperity Strawberry Plants

Only proven good varieties sold. Catalog Free

J. A. BAUER, Jadenia, Ark.
Established 1880 Box No. 24

For Testing

Our named varieties of **HARDY** Foster Mother Root Apple Grafts make vigorous, early bearing, heavily fruiting, clean hearted, long lived trees. To prove their worth, we offer 6 Grafts (rooted) for testing, if you will send 10c to help cover cost and mailing expense. They will bear barrels upon barrels of apples in a few years' time. Catalogue telling about other Hardier Best Fruit, EVER-BEARING STRAWBERRIES, etc. Write today.

The Gardner Nursery Co., Box 512 Ouga, Ia.

Buy Trees At Wholesale

and Save Agents' and Dealers' Profits.

Apple trees \$4 per 100 and up; Peach trees \$7 per 100; Cherry trees \$12 per 100. All of the best varieties for the middle-west. Concord Grapes \$2 per 100; Rockhill's Progressive Fall Bearing Strawberries \$3 per 100; Cumberland Raspberries \$8 per 1,000; Early Harvest Blackberries \$8 per 1,000; St. Regis. Everbearing Red Raspberries \$3.50 per 100. We pay the freight on all orders amounting to \$10.00 or over. Get our **FREE CATALOGUE**.

HOLSINGER BROTHERS NURSERY, Box 108 Rosedale, Kansas



LOUDEN

BOOK OF BARN PLANS FREE

If You Intend to Build a New Barn or Remodel an Old One You Should Have This Book

Louden Barn Plans is not a catalog of barn equipment. It is a complete and valuable book of reference and instruction on barn construction.

The 96 pages of Louden Barn Plans are full of dollar-saving information. It contains 51 representative designs for cow barns, horse barns, combination and general purpose barns, as well as many other designs for hog barns, pens, hay sheds, chicken houses, etc.

In addition to the barn plans shown in the book, there are 33 pages devoted to general construction problems, such as concrete work, laying floors, roof construction, ventilation, etc.

When Writing for This Book Please State When You Expect to Build, and How Many Cows and Horses You Want to House

We have designs for nearly 4,000 barns, and our architects will give you letter personal attention if we learn your exact requirements.

Louden Barn Equipment

Louden equipment makes possible a clean, sanitary barn with a minimum of expense. When cows are transferred from dark, dirty barns to Louden barns the milk flow often increases from 15 to 25 per cent, and the labor of caring for the herd is reduced from one-third to one-half. Louden equipment is just as great economy for the man with a half dozen head of stock as for the man with hundreds of animals. The percentage of labor saved is the same.

The Louden Line of Sanitary Steel Equipment Includes:

Litter Carriers	Cow Stalls	Hay Loft Equipment	Sheep Pens
Feed Carriers	Horse Stalls	Cow Pens	Water Basins
Milk Can Carriers	Mangers	Calf Pens	Bird Proof Barn Doors
Harness Carriers	Manger Divisions	Bull Pens	Hangers
Hay Carriers	Feed Racks	Hog Pens	Power Hoists and
Feed Trucks			Other Barn Specialties

CATALOGS FREE

Louden Machinery Co. (Established 1867) 507 Broadway, Fairfield, Iowa

HIDES AND FURS

We will pay you the highest market prices on your hides and furs. We build our business by giving every man a square deal—charge no commission, send check same day shipment is received. We treat you right. Write for full list and tags. Prices are extra good on salt cured hides and horse hides just now.

Salt Cured Hides, 17½¢ (flat). Horse Hides, \$3.50 to \$4.50.

JAS. C. SMITH HIDE CO., Topeka, Kan.
St. Joe, Mo. Wichita, Kan. Joplin, Mo. Grand Island, Neb.



WE BOTH LOSE MONEY

If You Don't Sell Your

HIDES and FURS

To

T. J. BROWN

126 N. Kansas Ave. TOPEKA, KANSAS

Green Salt Cured Hides, No. 1, 19¢; No. 2, 18¢.
Horse Hides (as to size), No. 1, \$4.00 to \$5; No. 2, \$3.00 to \$4.
Write for prices and shipping tags. Payments made promptly.

TIMOTHY \$2.75 PER BU.

SAVE MONEY—Buy Direct from Grower.

New reseeded Iowa Grown Timothy, free from weed seed. Guaranteed satisfactory or money refunded. Write today. 32-page catalog and Free Samples. Low prices on Clover and all grass seeds. Write before advance.

A. A. BERRY SEED CO., Box 335, CLARINDA, IOWA

Ten Apple Trees Free



I Want to Give You These 10 Apple Trees

Two each of the famous Delicious, Jonathan, Stayman Winesap, Wealthy, Yellow Transparent, to get you interested in our great magazine and

To Increase Interest in Fruit-Growing

You will get 10 fine one-year trees free, prepaid to your home. If bought in the usual way, they would cost 25¢ to 50¢ each. But you get them absolutely free if you send your name on coupon with \$1.00 for a year's subscription to Fruit-Grower and Farmer, published twice a month, illustrated, the best magazine on fruit-growing. Send your order today, before the supply is gone. Your money back if not pleased. Address

E. H. FAVOR, Editor-in-Chief Fruit-Grower and Farmer
St. Joseph, Missouri

Fruit-Grower and Farmer, Box 361, St. Joseph, Mo.
I send \$1.00 for a year's subscription. Send me 10 apple trees free, prepaid, as described.

Name.....
Address.....

SEEDS Pure Sure

Novelty Collection of Reliable Garden Seeds. This 40c collection { Dwarf Beans, Stringless Bountiful, 10c; Egg Beet, Crimson Globe, 5c; Lettuce, Cabbage or Butter, 5c; Tomatoes, White Excelsior, 5c; Radish, Fireball, 5c; Carrot, Frankfurt, 10c; Flower seeds of equal value if desired. Catalog FREE. St. Louis Seed Co., 413 Washington Ave., St. Louis. Catalog on Incubators, Brooders and Poultry Supplies.

Best Crop Insurance

MISSOURI BRAND SEEDS

Specialty Selected and Tested SEEDS, adapted to YOUR section—Insure Big crop returns. Write today for your copy of 1915 Catalog FREE. **MISSOURI SEED CO., 14 Liberty Street, Kansas City, Missouri.**

BIG ASSORTMENT 50 CENTS

Prepaid. Best varieties, including guaranteed Everbearing Strawberry Plants. Valuable book free, "Win Wealth With Strawberries." Best published. Tells how to obtain guaranteed quality small fruit plants cheapest. Send address for book. **BERRY'S CREST, Box 188, Clarinda, Iowa**

Save ¼ The Grain

NO MEDICINES. NO STOCK FOODS

No Veterinary Bills. Just a Feed Box

The Economy Feed Box is guaranteed to save 1-4 the grain—horse cannot bolt food, thus preventing colic and all kindred diseases—All wood—no metal—adjusted in 10 seconds—sanitary, portable. Positively Guaranteed 30 Days' Free Trial. Send No Money. Write Today.

Economy Feed Box Co., 115-119 Madison Ave., North Vernon, Ind.

Buying Power of Farmers

BY NAT C. MURRAY.

The purchasing power of the farmer depends not only upon the money value of what he produces, but also upon the money value of what he buys. From 1899 to 1909 (census years) the money value of one acre of the farmer's crops increased 72.7 per cent, but in the same period the money value of the articles usually purchased by farmers had increased 12.1 per cent; consequently, as a result of the greater increase in the price of what a farmer sold than in the price of what he bought, the net increase in the purchasing power of the produce of one acre was 54 per cent; that is, one acre of the farmer's crop in 1909 could buy 54 per cent more of the articles usually bought by farmers than in 1899.

In 1913 the value of one acre of the farmer's crops averaged about 1.2 per cent higher than in 1909, whereas the value of articles bought by farmers had advanced in the same time about 5.7 per cent; consequently, as a result of the greater increase in the price of what the farmer buys than what he sells, the actual purchasing power of one acre of the farmer's produce in 1913 was about 4.3 per cent less than in 1909.

These estimates are based on the acre value of all the important crops combined. Considering corn and wheat, it is found that the purchasing power of one acre of corn in 1913 was about 12 per cent greater than in 1912, 1 per cent greater than in 1909 and 58 per cent

"Eternal Vigilance is the Price of Liberty." Those who sit supinely by and allow politicians to manipulate the laws for the benefit of themselves and friends must make a fight sometime for their very existence. It is wise to know what your legislators and public officials are doing at all times, and to promptly express disapproval on any attempt to favor a few at the expense of the many. That will save a lot of future trouble.

greater than in 1899. The purchasing power of one acre of the 1914 corn crop is probably about 2 per cent greater than that of the 1913 crop.

The purchasing power of one acre of wheat in 1913 was the same as in 1912, 24 per cent less than 1909 and 40 per cent more than in 1899. The purchasing power of one acre of the 1914 wheat crop is about 34 per cent greater than that of the 1913 crop.

Upon the basis of the purchasing power of the value of one acre of produce 1909 stands as the most prosperous season for farmers in the last 50 years.

Horse Has a Diseased Tooth

I have a horse 5 years old that has a hard bunch on his jaw about the size of an egg. The bunch has been there more than a year and discharges a matter substance. What would you advise for treatment and can it be permanently cured?

Osage County. P. A. R.

Your horse undoubtedly has a diseased tooth and you cannot expect a cure until the tooth has been removed. The enlargement probably will not decrease very much even after the tooth has been extracted, though in the course of years it gradually will decrease a little in size. You cannot stop the discharge unless the tooth is removed.

Dr. R. R. Dykstra.
Kansas State Agricultural College.

Paralysis of Hogs

I wish you would please tell me what is wrong with my hogs. I have two brood sows, 20 months old, that have trouble in walking. One of them seems to be weak in her hind legs, and the other is slightly affected in all of them. Both hogs eat well. I have been feeding strong with corn, shorts, tankage, and alfalfa hay. These animals are registered and valuable. Is there anything I can do for them?

Reno County. F. D.

It frequently is very difficult to state the exact cause of paralysis of the hind parts of hogs. In some forms of hog cholera paralysis is one of the first symptoms. You would, of course, expect the young pigs to be affected first as older ones are more or less resistant to the condition. In order to determine this point I would suggest that you have a post mortem conducted, by a competent graduate veterinarian, on one of the

animals that has been affected for the longest time.

Paralysis also may be caused by tuberculosis of the spinal cord which causes pressure on the spinal cord resulting in loss of control of the hind legs. There is no cure for this condition and it may be diagnosed positively by using the intradermal tuberculin test on the animal's ear.

There is a disease known as "ricketts," a bone disease in which there is a deficiency of lime salts, causing a softening of the bones, which also causes paralysis of the hind parts. Treatment of this latter condition consists of giving a nourishing diet and at the same time administering a teaspoonful of Fowler's solution once daily for each 100 pounds weight.

If the Fowler's solution does not produce results in the course of a week or two you might try the following combination:

Calcium phosphate 1 dram
Fluid extract of nuxvomica 20 drops
Cod liver oil 2 drams
This mixture is sufficient for 100 pounds weight.

It is claimed that paralysis of the hind parts may be due to an excessive corn diet. If, therefore, you are feeding your pigs a diet of this nature I suggest that you change it to some other diet.

Dr. R. R. Dykstra.
Kansas State Agricultural College.

Mr. Smith's Road Plan

I read Mr. Frank Smith's article on good roads in the Farmers Mail and Breeze. His idea, as I understand it, is to build four roads radiating from the county seat in one county toward the county seat towns in the four adjoining counties; and to pay for these he would levy a tax on all the taxpayers in the counties interested. I should like to ask what at least 90 per cent of the citizens of each county who build such roads would get in return? It is safe to say that a large majority of them would never see the roads, much less travel on them, as there is very little travel or traffic between county seats in Kansas, and certainly none that calls for an expensive system of highways. Our county seats as a rule are not markets and many of them are inferior in this particular to other towns in the same counties.

It is understood fully that the automobile interests were the instigators and are the backers of the good roads craze afflicting Kansas today. And this, like all fads and lunacies, will have its day and then die. It is not good policy to go wild over road building. And it is not flattering to Kansas citizens that they have endured the outrageous legislation of the last four years along this line. The farmers of Kansas, so far as I have been able to learn, are earnestly in favor of good roads and if enough time had been given them and they were let alone under the old laws, they would have built them where they were needed at a tenth of the cost now lavished on a few especially designated roads in the counties.

The tax collected for road building should be expended on all the roads in a county and for the benefit of all the citizens. We need laws that will stop the graft in our present road system. We pay too much for nothing in return in the matter of fees and mileage. We also need laws that would compel the working of all the roads used by the public, with a fair division of all the money collected for road purposes to pay for the same. In this county (Butler) the by-roads are in the worst condition I have ever seen them and yet the county has expended more money in building certain roads and bridges than in any year of its history. These by-roads are the roads used most by the people, especially the farmers, and should receive the greatest attention.

Towanda, Kan. A. W. Stearns.

Better mend that small tear before an outstanding nail or a barbed wire makes it a big one.

If a ewe is constipated put her in the hospital pen and give her more linseed meal.

The population of Germany has increased in 25 years from 48 million to 66 million.

In producing milk we get no profit until the cost of feed is covered.

Tale-bearers, as I said before, are just as bad as tale-makers.

Nature's Way With Grapes

BY ISAAC NEFF,
Gliman City, Mo.

Grapes are better if allowed a more natural growth. In their natural state they grow to the tops of the tallest trees. My first trial with grapes was the Concord, planted in 1884. I provided the grapes with a trellis 32 by 32 and 14 feet high made from 16 common hedge. The hedge was about 4 inches through at the stump and all the large limbs were left on. The hedge was set 3 feet in the ground. Red elm poles were used for the frame work and they were placed 7 feet from the ground. A plank 18 inches wide was used to stand on while picking the upper grapes and these grapes were supported by wire and the limbs of the little trees used.

In 1893 the vine was 9 years old and 500 pounds of grapes were sold for 2 cents a pound. No accurate record was kept thereafter until 1913 when 320 pounds were gathered. The cyclone of 1909 wrecked the trellis badly and this was not mended until last spring. I trimmed the vine so severely, to get it straightened, that the crop was light. I think the average crop for the past 25 years is about 400 pounds a year.

The same day that I planted this Concord grape vine I planted Mammoth Cluster raspberries to grow in its shade. The berries are still in good health and bore a full crop of very fine fruit last season. I am now raising berries in the shade of all my grape vines. All berries do better with partial shade. If the under leaves are too early it is a sign that the shade is too dense. People do their own picking and pay us 40 cents a gallon for berries and 2 cents a pound for grapes. We have about 40 rods devoted to grapes and they pay us about \$2 a rod when kept in proper order. All our vines grow on a drift soil that is equal to well drained bottom land and it has complete irrigation.

Now is a favorable time to trim and arrange the vines for handy culture and the picking of next season's fruit. I cut out the young growth of the grape vines any time in the summer and this prevents thick growth. Grapes may grow 50 feet or more from where the vine draws its root supply. By keeping the growing end of a grape vine pointed upward all the vine except a few feet may trail on the ground. Two or three vines may grow from one root if all laterals are rubbed off as soon as they start. I have had a vine grow 20 feet the first season. This vine was a year old when planted. By covering the vine from where it is planted to where it stands up for fruiting grapes may be grown on the opposite side of a street or alley.

In any section where grapes rot badly if the vine is attached to the north side of a building they will be free from rot. My experience with attaching vines to a building is confined to the last few years, but I think it is equal to sacking them. Thousands of our city people can well afford to grow their own grapes.

For more than 30 years I have covered peach trees with dirt by binding them to the ground. We have had peaches for family use when all other peaches were killed by the severe freezing. I will describe this method in a future article.

Tillage in the Orchard

Probably the best system of cultivation being followed at the present in our young orchards is that of continuous cultivation during the growing months of the spring, followed by the sowing of a cover crop of some legume, as red clover, crimson clover, cowpeas or vetch, at the time of the last cultivation.

This cover crop benefits the orchard in several ways. First, it stops the growth of the trees by appropriating the available plant food. Second, it covers the ground and prevents baking and sunburning during the hot summer and fall months, and third, it prevents the washing of the soil by rains during the fall. Fourth, it protects the soil during the winter and last, but most important of all, it makes a heavy mulch of vegetable matter to be turned under in the spring.

Which of these crops should be used at any particular place can be determined only by actual experiment, for in some places one crop does best, in other places others are more desirable. Where none of the legumes can be used,

even, oats, wheat or rye may be sown the latter part of the season with profit. In this case, however, we should never leave the grain to come to maturity, as grain crops are seriously detrimental.

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

To Prevent Hog Cholera

A successful campaign for the prevention of hog cholera is being conducted in Linn county, Kansas. This work is being done under the direction of the veterinary and extension departments of the Kansas Agricultural college, the county agent, and Dr. C. A. McCall, who represents the U. S. Department of Agriculture. A district 4 miles wide and 14 miles long was organized around La Cygne. Dr. C. W. Hobbs of the veterinary department, has made 10 trips to Linn county and vaccinated more than 1,400 hogs. His work has been commended highly by the farmers of that section. The district is growing every day and probably will embrace the entire county in a few weeks. Similar districts will be organized in other counties when there is a sufficient local demand.

Most
Miles
per
Dollar

ECONOMY

YOU save first in getting extra value without paying extra price. Because Firestone Tire builders are specialists—picked experts who work in the largest exclusive tire factory in America. Immense volume of output keeps down production-cost, and gives you Firestone quality at the price you would pay for the average grade tire.

You save money in service results with Firestones. Road conditions all over the country are thoroughly understood by Firestone experts and your road troubles are reduced to the minimum by Firestone dependability and endurance.

Firestone

Non-Skid and Smooth Tread Tires

The stout, thick letters of the Non-Skid tread give extra strength and supremely long wear. Angled and gripping, they afford complete protection against skid or spin. You can tackle the heaviest, "slickest" roads with Firestone Non-Skid Tires.

Free Firestone Offer

Every car owner will appreciate this fine rubberized, waterproof Tube Bag. Send us your dealer's name and address and the make of tires you use and we will send one Free. Will keep your Inner Tubes in prime condition.

Your Dealer Has Firestones

Or write us and we will see that you are supplied. Anyway we'll be glad to send the Tube Bag and Free Book on the Proper Care of Tires. Ask for Book No. 29

Firestone Tire and Rubber Company

"America's Largest Exclusive Tire and Rim Makers"

Akron, Ohio—Branches and Dealers Everywhere

Pneumatic Tires, Truck Tires, Pressure Electric Tires, Carriage Tires, Cycle Tires, Fire Apparatus Tires, Rims, Tire Accessories, etc.

Firestone Tire and Rubber Company, Akron, Ohio

Gentlemen: Please send without cost to me, your Inner Tube Bag and Tire Book No. 29

The make of my tire

My dealer's name

His address

My name

Address

Notice to Subscribers!

Keep THE FARMERS MAIL AND BREEZE on File for
Future Reference in This Permanent Binder!

Thousands of our subscribers keep complete files of the Farmers Mail and Breeze. They have found it impossible to absorb all the good things in any one issue at one reading, and they also find valuable ideas and suggestions in every issue which they desire to preserve for future use. We have had requests from so many of our subscribers for suggestions on how to bind the Farmers Mail and Breeze in book form in some inexpensive and yet substantial way that we have had manufactured on our special order a Mail and Breeze Binder which we feel sure will meet every need.

The illustration herewith will give you a pretty fair idea of this new Binder. It carries the name of the paper printed in large letters on the outside front cover. It has a stout cloth back and heavy tag board sides. It will hold 28 issues of the Mail and Breeze. The papers can be put into the binder from week to week as they are received, and thus kept clean and in perfect condition. By using this binder your papers will never be mislaid and you can always find any issue the moment it is wanted. When the 28 issues have been placed in one of these binders you will have a neat and substantially bound book, which we believe you will consider worth a great many dollars.

OUR FREE OFFER

We purchased a large quantity of these binders in order to get the cost down to where we could afford to give these binders as free gifts to our subscribers. We will send one Mail and Breeze Binder, with full instructions for binding the papers, free and postpaid to all who send \$1.00 to pay for a new, renewal or extension subscription to the Farmers Mail and Breeze—or three binders for a three-year subscription at \$2.00. Use the coupon below or copy the order on letter paper if you do not want to cut out the coupon. Address

FARMERS MAIL AND BREEZE
Dept. B-100, Topeka, Kansas

Free Binder Coupon

FARMERS MAIL AND BREEZE, Dept. B-100, Topeka, Kansas.

I enclose \$..... to pay for year subscription to Farmers Mail and Breeze. You are to send me as a premium free and postpaid binders as per your offer. This is a new, renewal, extension subscription. (Draw a circle around the proper word to indicate the nature of your subscription.)

My Name

Address

Lorimer of the Northwest

(Continued from Page 20.)

partner in the Orb mill. Thou'rt Tom's bairn all through, but I like thy spirit. Stand up there, straight and steady, so, while I look at thee. Never a son of my own, lad; thou'rt the last of the Lingdale folk, and I had set my heart on thee. Ay, I'm the successful spinner, and I paid for my success. It's hard to keep one's hands clean and be first in the business; but there's no one better knows the sign; and travel, and maybe Miss Carrington, has put that sign on thee. Once I hoped—it's past and done with, I'm foolish as well as old; but as that can never be, I'm only wishing the best of luck to thee.

"Her father's a man of iron, but there's iron, too, in thee. I had my part in the people's struggle when Lancashire led the way, and then after a trick at the election I hated him and all his kind. I've a better reason since for hating him. We can beat them in brain and muscle, our courage is as good as theirs, and yet, if you weld the two kinds together, there's not their equal in the world. He's proud of his robber forbears, but there was one of thine drew a good bow with the archers at Crecy. Ralph, thy news has stirred me into vamping, and the man who built the Orb mill is prating like a child. Ay, I'm grieved to the heart—and I'm glad. God bless her and thee."

Martin Lorimer gripped my hand in a manner that showed no traces of senile decay, saying somewhat huskily as he turned away:

"I want time to think it over, but I'll tell thee this. Hold fast with both hands to thy purpose, take the thrashings—and wait, and if ever thou'rt hard pressed, with thy back right on the wall, thou'lt remember Martin Lorimer—or damn thy mulishness."

They gave me the same advice all round, and perhaps it was as well, for of all the hard things that fall to the lot of the man who strives with his eyes turned forward the hardest is to wait. Still, it was something to have won Martin Lorimer's approval, for I had hitherto found him an unsympathetic and critical man, who bore in his person traces of the battle he had fought. There were those who called him lucky; but these had lain softly and fared well while he starved and wrought, winning his way by inches until he built up out of nothing the splendid trade of the Orb mill.

None of us was talkative that evening, but fervent good wishes followed me when I went out with the east-bound train the next day, and until the dusky pines hid her, closing round the track, I saw cousin Alice's slight figure with her face turned toward the departing train.

THE RETURN TO THE PRAIRIE.

WE were busy during the two days that followed my return, for there was much to be arranged; but at last all was settled satisfactorily. The surveyor had obtained me free transportation back to the prairie for two teams that would not be needed, and Harry had promised to take charge of operations in my place. He was young for the position, or would have been considered so in England, but across the Atlantic much of the hard work is done by very young men, and I could trust his discretion, so only one thing remained to prevent my immediate return to Fairmead. I must see Grace before I went, and after considering the subject at length I determined to ride boldly up to the Colonel's ranch and demand an interview. Even if this were refused me I should not be worse off than before, and I had found that often in times of uncertainty fortune follows the boldest move.

I rode out under the starlight from our camp, for if all went well I hoped to turn my back on the mountain province by sunset, and if Harry guessed how I proposed to spend the interval he made no direct reference, though he said with unusual emphasis at parting, "I wish you good luck, Ralph—in everything."

"I'll second that," added Johnston, wringing my hand as I bent down from the saddle, for they had walked beside me down the trail; then I shook the bridle and they vanished into the gloom behind. It may have been mere coincidence, or a conceit of Johnston's playful fancy, for when I dipped into the valley his voice came ringing after me, "Oh, who will o'er the downs so free! Oh, who will with me ride?"

It was afternoon when, much more sedately, for the beast was tired and I had misgivings now, we splashed through another river into sight of Colonel Carrington's dwelling, whose shingled roof was faintly visible among the pines ahead; while once more it seemed that fortune or destiny had been kind to me. A white dress moved slowly among the rough-barked trunks, and because a thick carpet of withered needles deadened the sound of hoofs I came almost upon Grace before she saw me. She was gazing at the ground;

the long lashes hid her eyes, but I fancied that a suspicious moisture glistened under them, and there was trouble stamped on her face. Then as I swung myself from the saddle she ran toward me with a startled cry and stopped irresolutely. But I had my arms about her even as she turned half-away, and I said eagerly:

"Something has happened, sweetheart. You must tell me what it is."

She sighed, and, trembling a little, clung more tightly to my arm when, after tethering the horse, we walked slowly side by side through the shadow of the great fir branches.

"I was longing for you so," she said. "As you say, something has happened, and there is no one to whom I can tell my troubles. What I feared has happened, for this morning Geoffrey Ormond asked me to marry him."

"Confusion to him!" I broke out, and when Grace checked me, laying both hands on her shoulders, I held her fast as I asked, "And what did you say?"

She smiled faintly as she answered, "This is not the age of savagery, Ralph; your fingers are bruising me. What answer could I give him after my promise to you? I said 'No.'"

"Then the folly is done with, and there will be an end to his presumption," I answered hotly. But Grace sighed again as she said:

"No, this is not the ending. You are fierce and stubborn and headstrong—and I like to have you so; Geoffrey is cool and quiet and slow, and I must say it, a chivalrous gentleman. I could not tell him all; but he took my answer gracefully, saying he would respect it in the meantime, but would never give up hope. Ralph, I almost wonder whether you would have acted as becomingly."

Perhaps it was said to gain time; and, if so, I took the bait and answered with bitterness:

"He has been trained and polished and accustomed to the smooth side of life. Is it strange that he has learned a little courtesy? Again I say, count him! I am of the people, stained with the soil, and roughened by a laborer's toil; but, Grace, you know I would gladly give my life to serve you."

"You are as God and your work have made you," was the quiet answer; and, drawing closer to me, she added, "And I would not have you otherwise. Don't lapse into heroics, Ralph. What you did that day in the canon will speak better than words for you. Instead you must listen while I tell you the whole story. As it was with you and your cousin, Geoffrey and I—we are distantly related too—were always good friends. He was older, and, as you say, polished, and in many ways I looked up to him, while my father

was trustee for him under a will, and when he joined the army my father continued, I understand, to manage his property. Still—and I know now that I must have been blind—I never looked upon Geoffrey as a possible husband until twelve months ago. Since then my eyes have been opened, and I understand many things—most of all that my father wished it, for he has told me so, and that Geoffrey is heavily interested financially in his ventures. I know that he has sunk large sums of money in the mine, and they have found no ore, while I heard a chance whisper of a mortgage on Carrington. Yet Geoffrey has never even hinted to me that he was more than a small shareholder. My father has grown aged and worn lately, though only those who know him well could tell he was carrying a heavy load of anxiety. He has always been kind to me, and it hurt, horribly, to refuse to meet his wishes when he almost pleaded with me."

The scent of summer seemed to have faded out of the air, the golden rays that beat in between the great trunks lost their brightness, and only one way of escape from the situation presented itself to me as again the refrain of the ballad jingled through my memory. It was also a way that suited me. If Grace and I could not be married with the Colonel's consent, we could without it; and I thanked Providence that she need suffer no actual hardships at Fairmead now, while with her advice and encouragement the future looked brilliant. We could reach the flag station in two hours if we started at once. And then, with a chill, I remembered my promise to the Colonel, and that I stood, as it were, on a parole of honor. Yet a rash promise seemed a small thing to wreck two lives; and, saying nothing, I set my teeth tightly as I remembered hearing my father once say long ago, "I am thankful that, if we have our failings, none of us has ever broken a solemn promise." Martin Lorimer too—and some called him keen, in distinction to scrupulous—I remembered, accepted a draft he had been clearly tricked into signing and duly met it at maturity, though, when the affair was almost forgotten, he made the man who drew it suffer. And so the inward struggle went on, until there were beads of perspiration on my forehead and Grace said, "Ralph, you look deathly. Are you ill?"

I did not answer, and was afterward thankful that perhaps fate intervened to save me, for I almost felt that Grace would have yielded to pressure then. There were footsteps in the forest, and as instinctively we drew back behind a fir, Colonel Carrington walked savagely down an open glade. He passed close to us, and, believing himself alone

in that solitude, had thrown off the mask. His face was drawn and haggard, his hands were clenched, and for once I read fear of something in his eyes; while Grace trembled as she watched him, and neither of us spoke until he vanished among the firs.

"Ralph," she said quietly, "twice I have seen him so when he did not know it. Perhaps it was meant that this should happen, for now I know that even were there no other obstacle I could not leave him. Sweetheart, could you expect the full duty to her husband from the woman who had signally failed in her duty to others?"

"No," I answered with a groan. "But is there no hope in the present?—nothing that I can do?"

She drew my face down toward her as she answered, "Only work and wait, sweetheart," and her voice sank to a low whisper. "Heaven forgive me if I wrong him in telling you. But there are no secrets between us, and you saw his face. I fear that inadvertently he has lost much of Geoffrey's money in rash ventures, as well as his own. Geoffrey would never trouble about finance, and insisted on leaving his property in his hands, while, though my father is fond of speculation and control, I am afraid he is a poor business man."

She shivered all through and said nothing for a few moments, while I tried to soothe her; then she added slowly:

"I must stand beside him in this trouble; and if the worst comes I do not ask you to leave me—it would be wrong and foolish, and I know you too well. But, though I have read how many women have done such things, I will never marry Geoffrey. I would be a crime to myself and to him, and he is far too good for such treatment. Sweetheart, I must leave you, and it may be so very long before we meet again; but I hope brighter days will dawn for us yet. You will help me to do what I ought, dearest?"

Ten minutes later I rode through the woods at a breakneck gallop, reviling fate and all things incoherently, until as the horse reeled down an incline amid a mad clatter of sliding shale. Ormond, of all men, must come striding up the trail with an air of tranquil calm about him. There is a certain spice of barbarism, I suppose, in most of us, and in my frame of mind the mere sight of his untroubled face filled me with bitterness. It seemed that, in spite of her refusal, he felt sure of Grace; and something suggested that a trail hewn at Government expense was free to the wealthy well-born and the toiler alike, and I would not swerve a foot to give him passage. So only a quick spring saved him from being ridden down, while I laughed harshly

Use Power on Your Farm Save Money, Muscle and Time



Think what the possession of a powerful engine means to the farmer. Add to that the advantage of having an engine that will do all your field work and pull a great load as well, and that can be taken under its own power where you need it, and you will see what the SANDUSKY Tractor can do for you. With at least fifteen tractive horse power and thirty-five at the pulley, it is large enough for all farm work, yet weighs less than 8,000 pounds. It will take the place of five good teams in your farm work.

DON'T DEPEND ON HIRED HELP Five teams require men to operate them. With the SANDUSKY you can do this work yourself. You have all the help you need when you need it most, and you will not lose money through scarcity of farm labor or the uncertainty of horses.

Your tractor will do more work than these teams, require less care and cost less in the first place as well as for operation. It will give you power to sell to your neighbors and to work the roads. It will do your farm work in less time and with less effort, and its life is more certain and its power more available than with horses. With the SANDUSKY Tractor you need no other engine on the place.

Farm With
Power

THE SANDUSKY
TRACTOR
"THE LITTLE FELLOW WITH THE BIG PULL"

Cheaper Than
Horses

For ten years we have been manufacturing tractors, and the SANDUSKY is a pronounced success. Of the right size for general farm work, it has been tested out on many farms and its value proven. We subject our tractor to farm tests before shipment and there is

Nothing Experimental About It

Its patented four-cylinder, slow speed motor will develop enormous power. It may be throttled down to 150 revolutions and run at any speed needed. Automatic governor control. Built for heavy duty, but runs economically on light service. It is easily understood, simply built and requires little care. A boy can run it. Four plows, the harrow and the tractor can be operated by one man and will till an acre an hour, better, deeper, and faster than five teams can.

WRITE FOR DEMONSTRATION OFFER AND FREE BOOK Try the SANDUSKY on your own farm before buying. Our free book, "Power on the Farm," tells of our offer to demonstrate it to intending buyers and has a great deal of information of value to you. Write for it now.

THE DAUCH MANUFACTURING CO., 134 WATER STREET SANDUSKY, OHIO



over my shoulder when his voice followed me: "Why don't you look ahead, confound you?"

It was possibly well that I had trouble with the teams in the stock car on the railroad journey, and that work in plenty waited at Fairmead, for the steady tramp behind the plow stills served to steady me. After three weeks' endurance, the man I had hired to help mutinied, and stated plainly that he had no intention of either wearing himself to skin and bone or unmercifully overworking dumb cattle, but I found satisfaction in toiling on alone, often until after the lingering darkness fell, for each fathom of rich black clod added to the long furrow seemed to lessen the distance that divided me from Grace. Then little by little a measure of cheerfulness returned, for sun, wind and night dew had blended their healing with the smell of newly-turned earth, a smell I loved on the prairie, for it told that the plow had opened another channel into treasure locked fast for countless ages. So hope was springing up again when I waited one morning with my wagon beside the railroad track to welcome my sister Aline.

I could scarcely believe my eyes when she stepped down from the car platform, for the somewhat gawky maiden, as I used to term her in our not altogether infrequent playful differences of opinion, when similar compliments were common, had grown into a handsome woman, fair-skinned, but ruddy of color, as all of us were, and I was embarrassed when to the envy of the loungers she embraced me effusively. The drive home across the prairie was a wonder to her, and it touched me to notice how she rejoiced in its breadth and freedom, for the returning luster in her eyes and the somewhat too hollow face told their own tale of adversity.

"It is all so splendid," she said vaguely. "A poor lunch, you say; it is ever and ever so much better than my usual daily fare," and her voice had a vibration that suggested tearfulness. "This is almost too good to be true! I have always loved the open space and sun, and for two weary years I lived in a dismal room of a dismal house in a particularly dismal street, where there was nothing but mud and smoke, half-paid work, and sickening drudgery. Ralph, I should ten times over sooner wash milk-pans or drive cattle in a sunlit land like this."

I laughed approvingly as she ceased for want of breath, realizing that Aline had much in common with myself; while the rest of the journey passed very cheerfully, and her face was eager with curiosity when I handed her down at the house. She looked around our living room with disdainful eyes.

"It is comfortable enough, but, Ralph, did you ever brush it? I have never seen any place half so dirty."

I had not noticed the fact before. Indeed, under pressure of work we had usually dispensed with small comforts, superfluous cleanliness I fear among them, and Fairmead was certainly very dirty, though it probably differed but little from most bachelors' quarters in that region. The stove-baked clods of the previous plowing still littered the floor; the dust that was thick everywhere doubtless came in with our last threshing; and the dishes I had used during the last few weeks reposed unwashed among it. But Aline was clearly a woman of action.

"You shockingly untidy man!" she said severely. "Carry my trunk into my room, quick. I am going to put on an old dress, and make you help me clean up first thing. Tired?—after lounging on soft cushions—when I tramped miles of muddy streets carrying heavy books every day. You won't get out of it that way. Go away, and bring me some water—bring lots of it."

When I came back from the well, with a filled cask in the wagon, she had already put on a calico wrapper and both doors and windows were open wide, and I hardly recognized the dwelling when we had finished what Aline said was only the first stage of the proceedings. Then I lighted the stove, and, returning after stabling the horses, found her waiting at the head of a neatly-set table covered with a clean white cloth, which she had doubtless brought with her, for such things were not included in the Fairmead inventory. The house seemed brighter for her presence, though I sighed as I pictured Grace in her place, and then reflected that many things must be added before Fairmead was fit for Grace. I had begun to learn a useful lesson in practical details. Aline noticed the sigh, and plied me with questions, until when, for the nights were getting chilly, we sat beside the twinkling stove, I told her as much as I thought it was desirable that she should know. Aline was two years my junior, and I had no great confidence as yet in her wisdom.

She listened with close attention, and then said meditatively: "I hope that some day you will be happy. No, never

mind explaining that you must be—marriage is a great lottery. But why, you foolish boy, must you fall in love with the daughter of that perfectly awful man! There was some one so much nicer at home, you know, and I feel sure she was very fond of you. Alice is a darling, even if she has not much judgment in such matters. Oh, dear me, what am I saying now!"

"Good Lord!" I said, startled by an idea that hitherto had never for a moment occurred to me. "I beg your pardon; but you are only a young girl, Aline. Of course you must be mistaken, because—it couldn't be so. I am as poor as a gopher almost, and she is an heiress. Don't you realize that it's utterly unbecoming for any one of your years to talk so lightly of these matters?"

Aline laughed mischievously. "Are you so old and wise already, Ralph?" she asked. "Brotherly superiority won't go very far with a girl who has earned her own living. As you say, I should not have told you this, but you must have been blinder than a mole—even your uncle saw it, and I am quite right." She looked me over critically before she continued, as though puzzled: "I really cannot see why she should be so, and I begin to fancy that a little plain speaking will be good for my elder brother."

I checked the exclamation just in time, and stared at her while I struggled with a feeling of shame and dismay. It was not that I had chosen Grace, but it was borne in on me forcibly that besides wounding the feelings of the two persons to whom I owed a heavy debt of gratitude, I must more than once, in mock heroic fashion, have made a stupendous fool of myself. Such a knowledge was not pleasant, though perhaps the draught was beneficial, and if plain speaking of that kind were wholesome there was more in store, for hardship had not destroyed Aline's inquisitorial curiosity, nor her fondness for comments, which, if winged with mischief, had truth in them. Thus, to avoid dangerous subjects, I confined my conversation to my partners and railroad building.

"That is really interesting," she vouchsafed at length. "Ralph, you haven't sense enough to understand women; but axes, horses, and engines,

Mutual bribery of legislators by legislators is what "pork barrel" legislation is. To mention one instance: This abuse is costing us 50 million dollars a year at Washington, and this year nearly cost us twice as much. It is responsible, too, for legislative extravagance in every state in the Union. Its object is to draw every dollar possible out of the public treasury, and the people are powerless to prevent it as long as this wasteful practice is not completely uprooted.

you know thoroughly. I'm quite anxious to see this Harry, and wonder whether I could tame him. Young men are always so proud of themselves, and one finds amusement in bringing them to a due sense of their shortcomings, though I am sorry to say they are not always grateful."

Then I laughed as I fancied the keen swordplay of badinage that would follow before she overcame either Johnston or Harry, if they ever met, and I almost wondered at her. This slip of a girl—for after all, she was little more—had faced what must have been with her tastes a sufficiently trying lot, but it had not abated one jot of her somewhat caustic natural gaiety, and there was clearly truth in my partner's saying: "One need not take everything too seriously."

When with some misgivings I showed Aline her room she pointed out several radical defects that needed immediate remedy, and I left her wondering whether I must add the vocation of a carpenter to my already onerous task, and most of that night I lay awake thinking of what she had told me. When I rose early next morning, however, my sister was already down and prepared an unusually good breakfast while I saw to the working beasts, though she unhesitatingly condemned the whole of the Fairmead domestic utensils and crockery.

"I am breaking you in gently," she said with a patronizing air. "You have used those cracked plates since you came here? Then they have lasted quite long enough, and you cannot fry either pork or bacon in a frying-pan minus half the bottom. Before you can bring a wife here you will need further improvement; yes, ever and ever so much, and I hope she will be grateful to me for civilizing you."

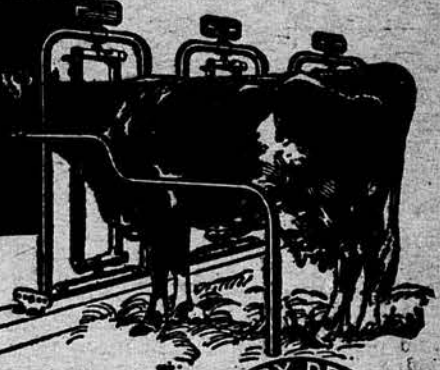
(TO BE CONTINUED.)

Give the cream room for agitation, which insures quick churning.

Speed Up Your Cow Profits!

Star Barn Equipment

begins to make money for you the very day you install it. Saves time, money and muscle. Keeps your barn spick and span. Means cleanliness and comfort for cows—more milk and cleaner milk and more profit for you.



STAR

Stalls and Stanchions

Star Steel Stalls are built on the Unit System. Buy them as you want them—one or 100. Each comes full assembled ready to bolt in place. They are made at the factory, not in your barn. The Adjustable stall front makes it easy to line up long and short cows evenly at drop. Smooth arched construction of stall does away with the numerous castings found in the straight pipe construction, thereby eliminating the places for dirt and germs to lodge.

Giant Star Stanchions have several distinctive features which put them in a class by themselves. Instantly adjustable to the neck of any size animal. Lock and unlock with one hand because of automatic guide arm. Wood lining is everlastingly gripped in U-shaped bar. Provided with sure stop which makes it impossible for cow to get her head in the wrong opening.

Barn Plans Free

If you are going to build, advise us how many cows you intend to keep and let us plan a model, economical barn for you free of charge. Or, if you are going to remodel, send us a rough sketch of your floor plan, giving dimensions, and we will submit a special blueprint drawn to exact scale, which will enable you to remodel with greatest economy.

4 BIG BOOKS

Before you buy any make of Barn Equipment at any price write for one or more of our valuable free books on (1) Star Stalls and Stanchions, (2) Star Litter and Feed Carriers, (3) Harvester Hay Tools, and (4) Cannon Ball Barn Door Hangers. Write today for the books you want.

HUNT-HELM-FERRIS & CO. 305
60 Hunt Street, Harvard, Ill.

HUNT-HELM-FERRIS & CO.
60 Hunt St., Harvard, Ill.

Please send me free Books checked as follows:

☐ Stalls and Stanchions
☐ Litter and Feed Carriers
☐ Hay Carriers
☐ Barn Door Hangers

Own _____ cows

Am going to build _____

Am going to remodel _____

Name _____

Address _____

Town _____ State _____

R. F. D. No. _____

Biggest Stumps Pulled For 4c Each—In 5 Minutes!

E. C. Culbreath, Johnston, S. C., does it. Thousands of others doing it. Why not you? Pull an acre of stumps a day. Double the land value—grow big crops on virgin soil! Get a

HERCULES

—the only all steel, triple power stump puller made. More power than a locomotive, 60% lighter, 400% stronger than cast iron puller. 30 days' free trial. 3 year guarantee to replace, free, castings that break from any cause. Double safety ratchets. Free book shows photos and letters from owners. Special price will interest you. Write now. Address Hercules Mfg. Co., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

HERCULES MFG. CO., 128-23rd St. Centerville, Iowa

GET DUVE'S FREE HARNESS BOOK

70 Pages of Harness and Saddle **BARGAINS**—Bridles, Horse Collars, Strap Work, Whips, etc.

FROM DUVE (The Maker) TO YOU AT WHOLESALE PRICES!

Get my free book, try my harness, then you'll never quit me. DUVE'S goods are dependable. Guaranteed against any defect. Write today. NOW, for my free book. A postal will do. Address DUVE, THE HARNESS MAN, 311 B South 7th Street, St. Joseph, Mo.

Razor FREE!

The blank from which the Henry's X Razor is ground is forged from high grade special alloy steel, manufactured for this particular razor. The blank is ground on a 2-inch wheel with bevel reinforced and shaped to stand more than average amount of abuse. The idea being to give the user a razor which will give excellent service on either light or heavy beard, and one that can be kept in perfect condition with minimum honing and stropping. The razor is well balanced, of first class finish, mounted in a flexible black rubber handle and guaranteed unconditionally.

OUR FREE OFFER. We will send this razor free and postpaid to anyone who will send us one dollar to pay for a one-year subscription (new or renewal) to Farmers Mail and Breeze.

Farmers Mail and Breeze
Topeka, Kan.

Dept. H.L.





Get Aniser's NEW BARGAIN BOOK!

This book is saving thousands of dollars for harness and saddle buyers everywhere—it offers highest grade, dependable goods direct from our great factory to you with one small manufacturing profit added.

2000 Harness, Saddle & Vehicle Bargains!

In this book you'll find illustrated, fully described and attractively priced 2,000 desirable items in guaranteed harnesses, saddles and findings—everything that you will ever need in this line. The book is mailed free and prepaid to all who write for it—and YOUR copy is ready NOW! Address: **ANISER HARNESS MFG. CO., 1504 Seventh St., St. Joseph, Mo.**

WELL DRILLS



If you wish to get into a good paying business, buy one of our new improved Drilling Machines. Great money maker. Write us today for our catalogue, No. 60.

FERGUSON MFG. CO., WATERLOO, IOWA

\$35 For Best Galvanized Windmill and Tower that money can buy. Guaranteed 5 years. Buying from factory saves you \$25 to \$35. We make all sizes of mills, towers, tanks and pumps. Write for catalogue.

The Clipper Windmill & Pump Co., Topeka, Kansas.

Never Out Of Fix.

TO SUB-IRRIGATE



The man who says there is no opportunity for the poor man, is the poor man.

Between the idle rich and the idle poor there is a wide gap and the middle class does all the work.

\$10.00 Factory to Farm NO AGENTS NO MIDDLEMEN

14 in. Double Shin S. B. Plow with Extra Share, all Soft Center. Highly tempered and polished in oil. 13" Rolling Coulters ordered with plow \$1.00 extra.

\$10 Our Celebrated Bud-long-LaDaw Disc Harrow only \$17. All goods absolutely guaranteed. If not satisfied, you get your money back. We don't want your money if you don't want the goods.

Write for Our Big 1915-FREE Catalogue **Happold Plow Co., (Est. 1871) 303 Front St., Alton, Ill.**

The only Plow Factory selling a full line of implements direct to the farmer at wholesale prices.

LEWIS' SINGLE BINDER

THE BEST QUALITY STRAIGHT 5¢ CIGAR ALWAYS RELIABLE

An Opportunity

No field of endeavor today offers so much to ambitious, successful men as salesmanship. The live wires in every line of business are the men who sell things.

The sales department of Farmers Mail and Breeze offers an exceptional proposition on a salary and commission basis to men in Kansas who are anxious to increase their earning capacity. Previous selling experience is not essential. With our offer an income is assured for anyone, size of the income commensurate with the effort expended. We are anxious to explain our proposition to responsible men.

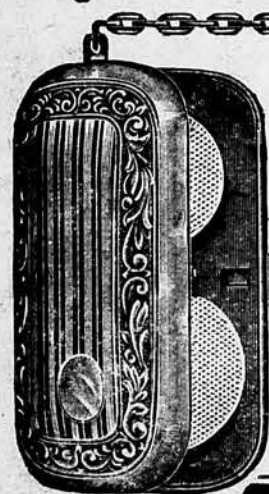
Agency Division

Farmers Mail and Breeze

800 Jackson Street

Topeka, Kansas

Stylish Coin Purse



Beautiful Thin Model!

This new style thin model coin Purse is heavily silver plated and opens with push spring just like a watch case. It has a beautiful engraved design on both sides as shown in illustration. The illustration also shows the arrangement of the inside of the case. On one side are two coin departments for holding dimes and nickels. The coins are held in place by a concealed spring so that there is no danger of losing them if the case comes open. On the other side is space which can be used for postage stamps or currency. This case is 1 1/2 inches wide by 2 1/2 inches long and is fastened to a nice 4 1/2 inch silver plated chain. We guarantee that you will be more than delighted with this beautiful little purse.

HOW YOU CAN GET THIS PURSE FREE

We are giving these stylish little coin purses away free as a means of introducing our big family and story paper the Household. This paper is published once a month and contains from 24 to 48 pages every issue. We are making a special trial subscription rate for a short time, whereby you can secure the Household for a period of three months for 10 cents and in addition to this, we will send you one of these beautiful little coin purses free and postpaid. If you want one of these purses do not delay but send ten cents to the address below and we will send one absolutely free by return mail and our magazine for three months. The supply of purses is limited so do not put off sending in your order. Address:

THE HOUSEHOLD, DEPT. C. P. 14, TOPEKA, KANSAS

Evergreen Seedlings Require Care

More than 100,000 pine tree seedlings are growing at the Kansas Agricultural college, in a little plot no larger than the small town man uses for a kitchen garden. To grow evergreen seedlings is by most persons thought to be a difficult matter. C. A. Scott, state forester at the Agricultural college, says that it is not difficult for a skilled nurseryman to have success growing these trees, but that they do require careful attention and it is seldom that anyone but an expert is successful.

"Success in securing a full stand of seedlings depends largely on two factors," said Professor Scott. "The first is the quality of the seed. Only seed that shows a high per cent of vitality in the germination test should be sown."

"The second factor is a perfect seed-bed. The soil in the seedbed should be spaded and thoroughly pulverized to a depth of 10 or 12 inches. There should not be a lump left in it that will not pass through a sieve with an inch mesh. The surface soil must be worked down to a mealy condition. The soil should be a rich, sandy loam, that will allow ready drainage. An accumulation of surface water on seedbeds is fatal to the plants."

Evergreen seedlings are very tender plants, Professor Scott admits. They

ter. Mr. Gilmore brought suit to compel the company to cease maintaining the dump. Judge Dallas Grover of the district court ordered the salt company to cover the dump so it could not get wet and at an expense of about \$8,000 the order of the court was carried out, the company erecting a cement building, which is the largest structure in Ellsworth county.

Although the order of the court had been complied with Gilmore was not satisfied and demanded that the company entirely remove the salt dump, and on this point the case went to the supreme court. By the decision of the supreme court the matters will remain as they are, Judge Grover being sustained in his decision. The salt dump which will remain in the cement building now consists of about 75,000 tons of salt. In the suit brought by Gilmore originally it was said that the value of the land affected by the seepings from the salt dump would reach \$50,000 to \$60,000.

The Culture of Sweet Peas

BY JOHN H. BROWN.

Those who are lovers of flowers will derive more pleasure from raising sweet peas than from any other flower providing they give them the proper care.

For several years we put out the seed

The Call of Kansas

Surfeted here with beauty, and the sensuous-sweet perfume Borne in from a thousand gardens and orchards of orange bloom; Awed by the silent mountains, stunned by the breakers' roar— The restless ocean pounding and tugging away at the shore— I lie on the warm sand beach and hear, above the cry of the sea, The voice of the prairie calling, calling me.

Sweeter to me than the salt sea spray, the fragrance of summer rains; Nearer my heart than these mighty hills are the windswept Kansas plains;

Dearer the sight of a shy, wild rose by the roadside's dusty way Than all the splendor of poppy fields, ablaze in the sun of May. Gay as the bold poinsettia is, and the burden of pepper trees, The sunflower, tawny and gold and brown, is richer to me than these. And rising ever above the song of the hoarse, insistent sea, The voice of the prairie, calling, calling me.

Kansas, beloved mother, today in an alien land Yours is the name I have idly traced with a bit of wood in the sand. The name that, sprung from a scornful lip will make the hot blood start;

The name that is graven, hard and deep, on the core of my loyal heart. O, higher, clearer and stronger yet than the boom of the savage sea, The voice of the prairie, calling, calling me.

—Esther M. Clark.

Long Beach, Calif.

must be protected, during the first summer, from the hot midday sun and from the wind and dashing rain. At the college this is accomplished by means of screens of lattice work of lath, 18 inches above the beds. Where a large amount of work is to be carried on for several years, the screens are often supported on a frame 7 or 8 feet above the beds.

The seed was sown broadcast on the surface of the ground, and enough was sown so that there would be at least one plant to every square inch. The beds were packed until the seeds were pressed firmly into the ground, and they were covered with a half inch of sand. This covering of sand was also packed to bring it in close contact with the soil underneath. The planting was done in the spring; but it could just as well have been done in the fall, if that time had been more convenient, Professor Scott says. These trees should be 3 to 6 inches tall at the end of this season. Next spring they will be transplanted to the nursery rows. For landscape and ornamental planting they will be grown in the nursery row until they are 6 to 10 years old.

Salt Causes Much Damage

Farmers throughout the salt producing district of Kansas were interested in the decision of the supreme court recently of the case of J. S. Gilmore against the Royal Salt company of Kanopolis. The salt company maintained a salt dump in their mines district in which there was supposed to be approximately 50,000 tons of salt refuse. In the rainy periods water seeped through the dump into the ground and it was said that for a great distance from the dump the fertility of the soil was destroyed by the salt wa-

any old time, in any old place and paid very little attention to the flowers. As a consequence we never had any that were worth gathering; but last year we followed the instructions given us by a man that always had plenty of fine ones, and ours were all that could be desired. We planted Lady Grisell Hamilton, Janet Scott, White Wonder and mixed Spencer.

First we dug a trench one foot deep in the bottom of which we put four inches of well rotted manure; then we scattered about half an inch of oak ashes on top of the manure and then two inches of rich earth. We sowed the seed March 25 and covered it with an inch of earth. Soon the plants began to show and we scattered a little nitrate of soda along the sides of them, not allowing any of it to touch the plants. We filled in the earth as the plants grew until the trench was filled. By following this plan it kept the roots cool and the earth moist. The foliage was luxuriant and the vines strong and there was an abundance of blooms. Some flowers had stems 15 inches long and the blooms were large and fragrant. Every day we gathered as many as we wished and we gave many bouquets to our friends. When we noticed a seed pod on the vines we plucked it, as they tend to stop the blooming.

We placed a post at each end of the bed, stretched a haywire at the top and bottom; then we ran heavy twine from wire to wire, about three inches apart for the vines to climb. It is a mistake to allow them to climb on wire as the wire gets so hot from the sun's rays that it fires the vines, thus taking the life out of them.

You have heard much about the high cost of living but what about the high cost of being a sport?

Now You Folks Listen!!

Let me send you a sufficient amount of Sipe's Guaranteed Conditioner to feed your hogs, regardless of number, 60 days, FREE. Let me show you how to have a healthy, thriving, top-notch herd; a herd that will absolutely and positively insure you bigger, better, and more certain profits. I don't ask you for one single penny in advance, either. All I want is the opportunity to prove to you, on your own place and in your own herd, that Sipe's Conditioner is all I claim for it. That it will free your hogs from worms; that it will prevent disease in your herd; that it will put your hogs in a healthy, thriving, lusty condition, and keep them there. This is the fairest, squarest, offer one man can possibly make to another—and an offer you can't afford to turn down. Take advantage of it. Fill out the coupon below and mail it today. Start your hogs on the right track, now; put them in shape to get the very maximum of value from every ounce of feed they consume.

LET ME KEEP YOUR HOGS RIGHT

Let me start today. Let me put them in shape to resist disease. Let me work with you and for you toward a bigger, better, and healthier herd. Now is the time—right now. Don't wait until your hogs lose their appetite; fall off and become infected with disease. The time to save your hogs is when they are healthy, by keeping them healthy—and that is exactly what I guarantee Sipe's Conditioner to do; that's what it is doing and has done for thousands of hog raisers everywhere.

Ninety per cent of hog trouble develops because of improper feeding, and a lack of certain elements necessary to make the different organs of the hog's system perform their proper functions. This results

in indigestion, sluggish liver, inactive kidneys, and worms, all of which reduce the vitality of the hog and leave it an easy prey to disease.

Here's where Sipe's Conditioner, a purely medicinal compound composed of roots, herbs and sodas, comes to the rescue—in that it supplies to the hog that which its system so craves and requires, and which is so absolutely necessary to assist each organ to perform its functions properly.

Sipe's Conditioner is easily fed and can be either mixed with slop, fed on grain, or dry in the trough or feeder. Hogs crave it, and eat only as much as the system requires, therefore, we recommend that it be put where they can get to it as they want it.

**60
DAYS
FREE
TRIAL**

Successful Hog Raisers Feed Sipe's Conditioner

A. B. Garrison, Summerfield, Kans.: I have used Sipe's Conditioner for the past three years and I am convinced that it will do fully as much as claimed for it, and if fed according to your directions, will ward off all diseases that the hog is subject to.

Wilson N. Smith, Muskogee, Okla.: Send me one pail of your Conditioner. My hogs are a little run down and some of them have cough. I find the Conditioner is excellent for scours in pigs, also in case of cold or cough.

J. D. Yoder, Crystal Springs, Kans.: When the Conditioner arrived my hogs were so sick that they could hardly walk to the trough. I thought they would die, but they are now getting along fine since I have been feeding the medicine.

J. D. Vanamburg, Marysville, Kans.: Find enclosed my check for \$5.50 for the 50-pound drum of your Conditioner. I am certainly pleased with it as I believe it saved me one hundred dollars.

Austin Smith, Dwight, Kan.: Have been feeding your Conditioner since about April 1 to 65 head of spring pigs. Find it the best Conditioner I ever tried. Also have fed it to my brood sows with good results.

John Moser, Sabetha, Kans.: Some time ago I bought 250 pounds of your Conditioner, which, after feeding it to my pigs I am well pleased with the results. Enclosed please find check for \$40.00 for which ship me at once 500 pounds of the Conditioner.

PRICE LIST

30 lbs.	\$ 3.50	50 lbs.	\$ 5.50
100 lbs.	10.00	250 lbs.	22.50
500 lbs.	\$40.00		

No order filled on this 60 days FREE Trial Offer for less than 30 lbs. and shipments are based on from 1 lb. to 1½ lbs. of Sipe's Conditioner per head.



**Mail This
Free Coupon
Today**

**TRY
THEN
BUY**

Send No Money

Cut out the coupon and send it today. Tell me how many hogs you have, and I'll send you enough Conditioner to feed them 60 days. Take it—use it, and if it doesn't put your hogs in condition; if it doesn't free them of worms; if it doesn't prevent disease from entering your herd—you don't owe me a red cent. No man could back his goods with a stronger guarantee—no man could make a more liberal offer. Start the coupon along. Address

**BRUCE SIPE, Gen. Mgr.
Sipe's Conditioner Mfg. Co.
Hiawatha, Kansas**

SIPE'S CONDITIONER MFG. CO., Hiawatha, Kansas.

Ship me enough Sipe's Conditioner to keep my hogs healthy for 60 days. I will pay the freight charges; agree to keep it where the hogs can get to it at all times, and if it does as you claim, I will pay for it at your regular prices at the end of the 60 days FREE trial. Otherwise you are to cancel the charge.

I have.....old hogs.....shoats.....pigs

Name

P. O.

Shipping Station State

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¢ 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 130,000 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.

PLYMOUTH ROCKS.

BARRER ROCK COCKERELS \$1 UP. MRS. E. G. Fish, Waverly, Kan.

WHITE ROCK COCKERELS \$1.50 TO \$2.00. C. E. Wister, Harper, Kan.

BARRER ROCK COCKERELS \$1.00 EACH. Ed Hooper, Alta Vista, Kan.

WHITE ROCK COCKERELS, \$1 AND \$1.50. Edna Eckert, Moline, Kansas.

THIRTY WHITE ROCK COCKERELS, \$2.00 each. J. C. Bostwick, Hoyt, Kan.

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

FINE BARRER ROCK COCKERELS, \$2 each. Christina Bahl, Lebo, Kan.

PURE WHITE ROCK COCKERELS \$2.00 each. B. R. Bull, Marietta, Kan.

ONE HUNDRED WHITE ROCKS FOR SALE. W. T. Blackwill, Quinter, Kan.

BUFF ROCK COCKERELS, PURE BRED. E. L. Stephens, Garden City, Kan.

CHOICE BARRER ROCK COCKERELS \$2 each. J. H. Clayton, Marietta, Kan.

WHITE ROCK COCKERELS \$2 AND \$3. Mrs. E. V. Cordonnier, Wathena, Kan.

WHITE ROCK COCKERELS, PRICE \$1.50 to \$2.00. S. M. Chestnut, Holton, Kan.

FIFTY WHITE ROCK COCKERELS \$1.25 each. Mrs. Helen Thomas, Canton, Kan.

WHITE ROCK COCKERELS ONE DOLLAR each. George Aney, Pawnee Station, Kan.

BUFF ROCK COCKERELS, \$1.50 \$2.00, \$5.00. Mrs. M. E. Stevens, Humboldt, Kan.

BARRER ROCKS—FIFTY COCKERELS, \$2 up. Mrs. P. A. Pettis, Wathena, Kan.

PURE BRED BARRER ROCK COCKERELS \$1.50 each. Jas. Keel, Belleville, Kan.

BUFF ROCK COCKERELS AND PULLETS. Choice stock. Mrs. Wm. Small, Wilson, Kan.

PURE WHITE ROCK COCKERELS, \$1.25 each. Miss Cora Stephenson, Argonia, Kan.

WHITE ROCK COCKERELS ONE DOLLAR and up. G. R. McBurney, Quinter, Kan.

PURE BARRER ROCK COCKERELS \$1 and \$2.00 each. Mrs. Wm. Shuyter, Jewell, Kan.

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

GOOD WHITE ROCK COCKERELS \$1.00 and \$2.00 each. Mrs. D. S. Fleming, Soldier, Kan.

FOR FINE BARRER ROCK COCKERELS inquire of Wm. C. Mueller, Route 4, Hanover, Kan.

PRIZE BARRER ROCKS. 104 PREMIUMS. Write for prices. Mrs. Chris Bearman, Ottawa, Kan.

BARRER ROCK COCKERELS. WELL barred. \$1.50 each. Mrs. John M. Blough, Bushong, Kan.

BARRER ROCKS, COCKERELS, PULLETS. Ringlet strain. \$2.00. E. W. Caywood, Clifton, Kan.

ONE HUNDRED BARRER ROCK COCKERELS \$2 to \$5 each. Ed Schmidt, Route 3, Geneseo, Kan.

BUFF ROCKS. WEIGHERS, LAYERS. Prices reasonable. Mrs. Lloyd Clark, Hazelton, Kan.

BIG TYPE, BLUE BARRER ROCKS, COCKERELS \$2.00, fine birds. Mrs. T. B. Mitchell, McPherson, Kan.

PURE BRED BARRER PLYMOUTH ROCK COCKERELS, \$1.00 to \$5.00 each. Mrs. C. N. Bailey, Lyndon, Kan.

WHITE ROCK COCKERELS, FISHER strain, scoring 95, 96 points. Mrs. F. Anderson, Asbury, Mo.

BUFF ROCKS; PURE, COCKERELS \$2.50 each. Pullet \$12.00 doz. Mrs. Ike Saunders, Elk City, Kansas.

MAMMOTH SNOW WHITE ROCKS—BRED for 10 years for size and quality. Charles Vorles, Wathena, Kan.

HIGHEST QUALITY "RINGBARD" ROCKS. Males, females. Bargains. Mrs. Edward N. Hall, Junction City, Kan.

CHOICE BARRER PLYMOUTH ROCK COCKERELS at \$1.50 to \$3.00 each. E. Leighton, Effingham, Kan.

BUFF ROCKS. THIRTEEN YEARS' SUCCESSFUL breeding. Cockerels for sale. Mrs. Homer Davis, Walton, Kan.

WEIGHER-LAYER BARRER ROCKS, 106 premiums. Early cockerels \$2.00 up. W. Opfer, Clay Center, Kansas.

BARRER ROCKS—BACK AGAIN WITH some dandy good ones. Cockerels \$1.50 to \$2.00. Pullet \$1.00. Mated pens of choice pullets and cockerels at reasonable prices. James H. Parsons, Quinter, Kan.

PLYMOUTH ROCKS.

PURE BARRER ROCK COCKERELS. Twenty years' experience. Mrs. Anne Illian, Lawrence, Kan., R. 4.

BARRER ROCKS, WINNERS. COCKERELS \$1.50 to \$5. Both matings. J. E. Chance, Smith Center, Kan.

CHOICE BARRER ROCKS COCKERELS \$1.50 to \$2.00. Twenty-five years a breeder. W. H. Hansen, Abilene, Kan.

BIG BONED EARLY HATCHED BUFF Rock cockerels for sale. Eggs in season. Mrs. Perry Myers, Fredonia, Kan.

WHITE ROCK COCKERELS FROM PRIZE winning stock. \$2.00 to \$2.50. Photo free. Mrs. John Ramsey, Fort Scott, Kansas.

BARRER ROCKS—25 FINE COCKERELS, 50 pullets. Best of breeding and quality. \$1.00 each. G. M. Shepherd, Lyons, Kan.

30 WHITE ROCK COCKERELS DURING January \$1 and \$2 each. Excellent show record. Nellie McDowell, Garnett, Kan.

BARRER P. ROCK COCKERELS, \$3.00; 2 for \$5.00. Guarantee money back if not satisfied. A. L. Liston, Garden City, Kan.

THOROUGH BRED ROYAL BLUE AND Ringlet Bred Rock cockerels, \$1.00 and \$1.50 each. Mrs. Robt. P. Simmons, Severy, Kan.

PURE BARRER ROCK COCKERELS. Large boned, early hatched, farm raised. Price \$1.50 each. Mrs. E. Buchanan, Abilene, Kan.

TWO BREEDS—PURE BRED BARRER and White Plymouth Rock cockerels and pullets from prize winners. H. F. Hicks, Cambridge, Kan.

PURE JERSEY CATTLE OF BOTH SEXES, also Bred Plymouth Rock cockerels of the Bradley strain at \$1.50 each. Everett Rice, Box 323, Oxford, Kansas.

PLYMOUTH ROCKS THAT ARE BARRER. Cockerels for sale, both matings, bred from Kansas State and Federation show winners. C. V. La Dow, Fredonia, Kansas.

BARRER PLYMOUTH ROCK COCKERELS and pullets, very large, laying strain, \$1.50 each, 4 for \$5.00. Premium winners, \$2 and \$3. Mrs. A. M. Markley, Mound City, Kan.

FOR SALE: FINE BARRER ROCK COCKERELS, from stock that wins many prizes. \$2.00 to \$3.00 each. Eggs \$1.00 per 15, \$4.00 per 100. Mrs. A. M. Shipley, Coffeyville, Kan., R. 4.

NEXT 30 DAYS WILL SELL MY BARRER Rock cockerels for \$2.00 each. Have 200 hens will sell reasonably for quick sale. Can furnish some pens. Mrs. John Yowell, McPherson, Kan.

100 ROYAL BLUE RINGLET BARRER Rock cockerels and pullets, scoring 91½ and better. Write for prices and description today. A. L. Hook, North Willow Poultry Ranch, Box 456, Coffeyville, Kan.

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

BARRER ROCKS. 300 BIRDS FOR IMMEDIATE shipment. We lead, others follow. Won more prizes at Southwestern show than any other exhibitor. Vice Pres. and Sec'y of State Bred Rock Club. Fred Hall, Lone Wolf, Oklahoma.

"OAK HILL" BARRER PLY. ROCKS have bright sharp cut barring, fine shape and type, large bone. Grand winning and laying line. Cockerels \$2.00, \$2.50, \$3 and \$5.00 each. Birds returned at my expense if not satisfactory. J. M. Detwiler, Dunlap, Iowa, Route 2.

DUCKS.

DUCKS WANTED, THE COPE'S, TOPEKA.

INDIAN RUNNER DUCKS, BOTH SEXES. Mrs. Wm. Shuyter, Jewell, Kan.

INDIAN RUNNERS, SILVER CUP WINNERS. Burt White, Burlingame, Kan.

WHITE RUNNER DRAKES \$1.00 EACH. Mrs. C. B. Kellerman, Burlington, Kan.

PENCILLED RUNNER DRAKES, \$1.00. Fancy stock. Orvis Berry, Fairfield, Neb.

CHOICE WHITE INDIAN RUNNER DRAKES, Arthur Carpenter, Council Grove, Kan.

PURE BRED WHITE RUNNER DRAKES, \$1.00 each. Arvilla Stoddard, Hooker, Okla.

PURE WHITE INDIAN RUNNER DUCKS. Drakes \$1.00 each. Pure bred. Mrs. Wm. Brooks, Beattie, Kan.

WHITE INDIAN RUNNER DUCKS, PURE white egg strain, \$4.50 trio. Mrs. E. D. Ludwig, Waynoka, Okla.

WHITE INDIAN RUNNER DRAKES AND English Pencilled ducks and drakes. Mrs. Ethel Guber, Ottawa, Kan.

FAWN-WHITE RUNNER DUCKS AND drakes. Choice stock. White egg strain. \$1.00 each. J. T. Bates, Springhill, Kan.

25 MAMMOTH PEKIN DUCKS, SCORING as high as 96½, never failed to set 1st prize. \$1.50 to \$2.00 each. F. C. Swiercinsky, Belleville, Kan.

WYANDOTTES.

WHITE WYANDOTTES—SILVER CUP winners. A. C. Akey, Belleville, Kan.

FINE WHITE WYANDOTTE COCKERELS for sale. J. Benjamin, Cambridge, Kan.

SILVER LACED WYANDOTTE COCKERELS and eggs. Mrs. Vowel, Norwich, Kan.

WHITE WYANDOTTE COCKERELS \$2.00 to \$5.00. Mrs. Geo. Downe, Lyndon, Kan.

WHITE WYANDOTTE COCKERELS \$3 each. Margaret Ribean, Twin Creek, Kan.

WHITE WYANDOTTES, GUARANTEED. Write Mrs. Howard Erhart, Independence, Kan.

GOLDEN WYANDOTTE COCKERELS scoring to \$4. D. Lawver, Route 3, Weir, Kan.

GOLDEN WYANDOTTES, WINNERS AT Topeka State Show. M. M. Donges, Belleville, Kan.

WHITE WYANDOTTE COCKERELS FOR sale \$1 each. B. M. Collister, Manhattan, Kan., R. 4.

THOROUGH BRED SILVER LACED WYANDOTTE COCKERELS \$1.00 each. Frank Kletchka, Willis, Kan.

DWIGHT OSBORN HAS WHITE WYANDOTTE COCKERELS from his best layers. Delphos, Kan.

WHITE WYANDOTTE COCKERELS, EXTRA good. \$2 to \$4. Ideal Poultry Yards, Wayne, Kan.

50 WHITE WYANDOTTE PULLETS AND cockerels at a bargain. G. D. Willems, Inman, Kan.

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

BUFF WYANDOTTES, GOOD SOLID BUFF pullets for sale. Prices reasonable. Albert Sims, Americus, Kan.

CHOICE WHITE WYANDOTTE COCKERELS, scoring 90 to 94½, \$1.50 to \$5.00. F. S. Teagarden, Odell, Neb.

FOR SALE: THOROUGH BRED PART-RIDGE WYANDOTTE COCKERELS. Address Rebecca Jones, Lyndon, Kansas.

QUALITY WHITE WYANDOTTES, COCKERELS, pens, Trios. Write for prices. Mrs. M. E. Johnson, Humboldt, Kan.

GOLDEN WYANDOTTE COCKERELS. Special price for quick sale. Geo. W. Shelley, R. No. 2, McPherson, Kan.

SILVER WYANDOTTES, YES, I AM still selling Silver Wyandottes, the breed that lay. M. B. Caldwell, Broughton, Kan.

PART-RIDGE WYANDOTTES, COCKERELS, prize winners, \$1.50 to \$5.00. Eggs, setting \$1.25. Hattie Countryman, Thayer, Kan.

PURE BRED SILVER WYANDOTTE COCKERELS, beautifully marked, large size, \$2 to \$3. Mrs. Wm. Schulze, Creston, Neb., Route 1.

SILVER LACED WYANDOTTE COCKERELS from \$2.00 to \$5.00 each; extra well marked, high scoring. Elizabeth Littleton, Guymon, Okla.

ROSE COMB GOLDEN WYANDOTTE COCKERELS \$1.00 and \$1.50 per head. Farm run. Exclusively raised. Eggs in season. C. Folgate, Stanberry, Mo.

SILVER LACED WYANDOTTES, PRIZE winners, good layers, all birds scored. Cockerels from \$1 to \$5. Eggs \$1 and \$2 setting. J. L. Galloway, Foss, Okla.

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

PART-RIDGE WYANDOTTES, WON FIRST cockerel and first hen at convention hall, 1915. Stock and eggs for sale. Write for prices. Mrs. J. T. Shortridge, Oak Mills, Kan.

RHODE ISLAND WHITES.

FOR SALE—ROSE COMB RHODE ISLAND Whites, pullets and cockerels from first prize winners in big shows. Write for prices. Mrs. J. M. Post, Colony, Kan.

LARGE, EARLY ROSE COMB RHODE ISLAND White cockerels from prize winning stock; 2 strains; \$1, \$2, \$3. Laying pullets \$5.00. Col. Warren Russell, Winfield, Kan.

GEES.

THOROUGH BRED TOULOUSE GEES, weight 15 to 18 lbs. \$4.00 pair. P. B. Cole, Sharon, Kan.

TOULOUSE GEES, I HAVE A FINE LOT of extra large Toulouse geese for sale at \$2.00 each. Male or female. 3 for \$5.00. Eggs for sale in hatching season at reasonable price. Ed Sheehy, Hume, Mo.

BRAHMAS.

LIGHT BRAHMA COCKERELS, \$1 AND up. Mrs. Mark Johnson, Bronson, Kan.

PURE LIGHT BRAHMA COCKERELS AND pullets for sale. Mm. Pifer, Washington, Kan.

CORNISH.

FINE CORNISH COCKERELS, \$1.25 TO \$3.00. Dan Neher, McCune, Kan.

LEGHORNS.

SINGLE COMB WHITE LEGHORNS \$1.00. WHI Tonn, Haven, Kan.

S. C. W. LEGHORN COCKERELS. MRS. W. R. Hildreth, Oswego, Kan.

BUFF LEGHORN COCKERELS, \$1.00 EACH, 6 for \$5.00. John A. Reed, Lyons, Kansas.

CHOICE SINGLE COMB WHITE COCKERELS \$2.00 each. H. Vincent, McPherson, Kan.

S. C. WHITE LEGHORN COCKERELS. Scored. \$1.50 up. J. E. Gish, Manhattan, Kan.

SINGLE COMB WHITE LEGHORN COCKERELS \$1.00. Eggs .50. Mrs. A. S. Tiffany, Fulton, Kansas.

FOR SALE, SINGLE COMB WHITE LEGHORN cockerels \$1.50 each. A. G. Noels, Pawnee Rock, Kan.

50 PURE BRED SINGLE COMB BROWN Leghorn cockerels \$1.50 to \$2. Paul Grill, Ellsworth, Kan.

R. C. W. LEGHORN COCKERELS \$1.00 each; 6 for \$5.00. Mrs. C. W. McGeary, Lincoln, Kansas, R. D. 5.

SINGLE COMB WHITE LEGHORNS. Choice lot of cockerels at 6 for \$5.00. Alex Spong, Chanute, Kan.

MY FAMOUS S. C. W. LEGHORNS WIN everywhere. Cockerels and pullets, \$1 up. Geo. Patterson, Lyndon, Kan.

SINGLE COMB BROWN LEGHORN SHOW and utility stock, both matings. G. F. Koch, Jr., Ellinwood, Kan., R. No. 2.

R. C. BROWN LEGHORN COCKERELS. Laying strain. \$1.00 each; 6 for \$5.00. L. D. Goeck, Seward, Kan., R. D. 2.

PURE SINGLE COMB WHITE LEGHORN cockerels, \$1.50 each. Satisfaction guaranteed. John Walters, Fall River, Kan.

HIGH SCORING SINGLE COMB WHITE Leghorns. Finest eggs. Cockerels. Mrs. Albert Ray, Specialist, Delavan, Kansas.

FOR SALE—CHOICE R. C. B. LEGHORN, R. C. R. 1. Red cockerels, \$1 each or six for \$5. Mrs. John M. Lewis, Larned, Kan.

10 PURE BRED SINGLE COMB WHITE Leghorn cockerels, \$1.50 each. 10 for \$12.00. Cassie Springstead, Madison, Kan., Route 4.

250 YOUNG'S STRAIN S. C. WHITE LEGHORN cockerels, \$2 each and up. Best laying and exhibition strain on earth. Satisfaction or money back. White Wing Poultry Farm, Box D, Perry, Iowa.

S. C. BROWN LEGHORN AND WHITE Rock cockerels. I won 1st on cockerel, 1st on pullet, 1st on pen, State Fair. Same at Bucklin, Meade and Liberal. \$1.50 up. Yours for business. H. N. Holdeman, Meade, Kan.

LANGSHANS.

WHITE LANGSHAN COCKERELS. WM. Wischmeyer, Mayetta, Kan.

WHITE LANGSHAN COCKERELS. EGGS in season. Mattie Rowe, Lane, Kan.

BLACK LANGSHANS. PRIZEWINNERS. Write Mary McCaul, Elk City, Kansas.

BLACK LANGSHAN COCKERELS SCORED by Cooke. Roy Hubbard, Belleville, Kan.

WHITE LANGSHANS. GUARANTEED. Write Mrs. Howard Erhart, Independence, Kan.

WHITE LANGSHANS. COCKERELS, PULLETS, eggs in season. Mrs. Geo. McLain, Lane, Kan.

BLACK LANGSHAN COCKERELS SCORING 93½. Cards furnished. Martha Haynes, Grantville, Kan.

BLACK LANGSHAN COCKERELS AS large and black as they grow. Geo. W. Shearer, Lawrence, Kan.

PURE BRED BLACK LANGSHAN COCKERELS, pullets, eggs. Orders booked. Mrs. O. L. Summers, Beloit, Kan.

BLACK LANGSHAN COCKERELS AND pullets. Best of breeding reasonable, if taken soon. W. S. L. Davis, Nickerson, Kan.

PURE BLOOD BLACK LANGSHAN COCKERELS; scored; of the Iowa strain; guarantee satisfaction. Chas. Leeper, Harper, Kan.

EXTRA BIG BONED GREENISH GLOSSY Black Langshan cockerels, scored, \$2.50 and \$5 each, guaranteed. H. Osterfoss, Hedrick, Iowa.

30 BLACK LANGSHAN CKLS. AT \$1.00 TO \$3.00 each. Positively no better Langshans bred. J. A. Lovette, Poultry Judge, Mullinville, Kan.

MINORCAS.

ROSE COMB BLACK MINORCA COCKERELS. Northrup strain. John J. Lowe, Americus, Kan.

SINGLE COMB BLACK MINORCA COCKERELS for sale, \$2.00 each. Fred Speakman, Tyrone, Okla.

HOUDANS.

CHOICE HOUDAN COCKERELS \$2.00. Mrs. Aug. Smith, Cleburne, Kan.

TURKEYS.

BOURBON RED TOMS \$4.00. MRS. O. W. Culp, Paradise, Kan.

MAMMOTH BRONZE TOMS, \$3.50. ED Lockwood, Kinsley, Kan.

WHITE HOLLAND TOMS \$5.00 EACH. Bertha Basil, Olivet, Kan.

CHOICE BOURBON RED TURKEYS. MRS. S. J. Henry, Belleville, Kansas.

WHITE HOLLAND TURKEYS. PRICES free. Grace Garnett, Marion, Mo.

MAMMOTH BRONZE TURKEYS. MRS. O. H. Browning, Uniontown, Kan.

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

PURE BOURBON RED TURKEYS. NETTIE McCormick, Yates Center, Kan.

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

MAMMOTH BRONZE TOMS FROM PRIZE strain, \$5.00. Rosa Knoll, Holton, Kan.

PURE BOURBON RED HENS, WELL marked \$3. V. E. De Geer, Deerhead, Kan.

WHITE HOLLAND TURKEYS. TOMS \$3, hens \$2. Mrs. R. A. Lewis, Timken, Kan.

THOROUGHbred MAMMOTH BRONZE turkeys. Letha Parkhurst, Plainville, Kan.

168 WHITE HOLLAND TURKEYS. UNrelated stock. Mary Culver, King City, Mo.

NARRAGANSETT TURKEYS. HENS AND TOMS. Mrs. S. W. Rice, Wellsville, Kan.

WHITE HOLLAND TURKEYS. LARGE, fine stock. Charles Vorles, Wathena, Kan.

FULL BLOODED BOURBON RED TOMS for sale. Mrs. W. C. Kincaid, Peabody, Kan.

MAMMOTH WHITE HOLLAND TOMS \$3.75. Hens \$2.50. Alice Gunselman, Wakefield, Kan.

THOROUGHbred BOURBON RED TURKEY tom \$3.50. Mrs. H. Passmore, Wayne, Kan.

MAMMOTH BRONZE TURKEYS. TOMS \$5. Hens \$3. W. B. Williams, Carlton, Kan.

LARGE, FULL BLOOD BOURBON RED turkeys for sale. Emma Lamb, Havana, Kan.

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

8 LARGE WHITE HOLLAND TOMS \$4.00 each. Cassie Springstead, Madison, Kan., Route 4.

WHITE HOLLAND TURKEYS. TOMS \$3.00, hens \$2.00. Mrs. Jane Thompson, Cambridge, Kan.

FULL BLOOD BRONZE TURKEY TOMS, \$4.00. Hens \$2.50. Mrs. Roy Brubaker, Dexter, Kan.

EXTRA LARGE PURE WHITE HOLLAND TOMS \$4.00, hens \$2.50. Mrs. Will Jones, Wetmore, Kan.

THOROUGHbred BOURBON RED TURKEYS. Toms \$4. Hens \$3.00. James Butler, Glasco, Kan.

BIG BONED PURE BRED BOURBON turkeys. Unrelated trios. Mrs. Sam Clark, Hazelton, Kan.

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

PURE BRED M. B. TURKEY PRIZE WINNERS. Toms \$5.00, hens \$3.00. Sam Caughey, Asherville, Kan.

PURE BRED NARRAGANSETT TURKEYS. Toms and hens. Mrs. Frank Indermill, Piedmont, Kan.

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

BOURBON REDS. STANDARD VARIETY. Standard weight. Toms \$5. Hens \$3. May Gill, Piedmont, Kan.

BOURBON RED TURKEYS. TOMS \$4. Hens \$3. Non-related trios \$9. Eggs \$3. H. B. Humble, Sawyer, Kan.

LARGE BOURBON RED TOMS \$4. ROSE Comb Brown Leghorns scoring 94%. Elmer Thompson, Harper, Kan.

FOR SALE—LIMITED NUMBER OF FULL blood Mammoth Bronze turkeys. Roy Hoch, R. F. D. 3, Peabody, Kan.

EXTRA GOOD MAMMOTH BRONZE TURKEYS. Heavy boned Toms \$5 and \$6. Hens \$3. Mattie Peasley, Soldier, Kan.

BOURBON RED TURKEYS. EARLY-hatched, large bone, good color. Toms \$4; hens \$3. A. M. Farmer, Pratt, Kan.

BOURBON RED TOMS \$4.00. AFTER FEB. 1st \$5.00. Eggs in season 25c each. Mrs. F. B. Tuttle, R. 2, Chanute, Kan.

MAMMOTH BRONZE TURKEY TOMS, 22 to 28 lbs, each, \$6. A few hens at \$3. Herbert H. Smith, Smith Center, Kan.

MAMMOTH WHITE HOLLAND TURKEY TOMS \$3.75. Hens \$2.50. Pekin drakes \$1.00. Mrs. Bryant Wells, Milton, Kan.

MAMMOTH BRONZE TURKEYS. HEAVY boned. Toms \$5.00. Hens \$3.00. Mrs. C. E. Peterson, R. 1, Box 65, Windom, Kan.

PURE BLOOD M. B. TURKEYS, FARM-raised and fine. Toms \$5, hens \$3. Mrs. E. T. Ralston, Holton, R. F. D. 3, Kansas.

BIG BRONZE TURKEYS FROM LONG line winners, large boned. Healthy stock. Write for prices. Gertrude Tilzey, Lucas, Kansas.

PERKINS'S BRONZE TURKEYS HAVE won more prizes wherever shown than all others combined. No better blood in America. G. W. Perkins, Newton, Kan.

TURKEYS.

LARGE WHITE HOLLAND TURKEYS. Extra large, fine and healthy. Toms \$5.00. Hens \$4.00. Chas. W. Zabel, Wetmore, Kan.

MAMMOTH BRONZE TURKEYS—LARGE, well marked. Toms \$5. Hens \$3. White Wyandotte cockerels. John Gould, Conway Springs, Kan.

FOR SALE—M. B. TURKEY TOMS. FROM prize stock. Weight 25 to 30 lbs. Satisfaction guaranteed. Geo. Herrick, Twin Creek, Kan.

PURE BRED MAMMOTH BRONZE TURKEYS, quality good, healthy stock. Toms \$5, hens \$3. Mrs. Homer Rawlings, Eureka, Kan.

MAMMOTH WHITE HOLLAND TURKEYS, sired by a 40-pound tom at 18 months. Toms \$5.00. Hens \$4.00. Trio \$12.00 while they last. W. E. Monasmith, Formoso, Kan.

MAMMOTH BRONZE TOMS, THE HEAVY kind. Eggs in season. If it's pounds you want, buy from my flock. Berry method of turkey raising with each order. C. W. Berry, Moore, Okla.

BOURBON RED TURKEY EGGS FROM 2 years unrelated, \$3 for 11. Large, well colored birds. Prize winners. Directions for raising and receipt for homemade lice powder free. Ringlet Barred Rock eggs. Mrs. C. B. Palmer, Uniontown, Kan.

RHODE ISLAND REDS.

R. C. RED COCKERELS, SCORED. C. Shumway, Manhattan, Kan.

ROSE COMB RED COCKERELS, \$1.00. May Gill, Piedmont, Kan.

S. C. RED COCKERELS, SCORED. GERtrude Haynes, Meriden, Kan.

ROSE COMB VELVET REDS. MRS. LIZ-zie Paige, White City, Kan.

ROSE COMB RED COCKERELS \$2 TO \$3. Thos. Talbot, Marysville, Kan.

ROSE COMB RED COCKERELS FOR sale. Viola Lumb, Manhattan, Kan.

CHOICE R. C. RED COCKERELS \$1 AND \$2. R. R. Fooshee, Piedmont, Kan.

LARGE ROSE COMB RED COCKERELS \$1 to \$2. Andrew Ketter, Kelly, Kan.

CHOICE ROSE COMB RED COCKERELS. Reasonable. Mrs. Charles Hill, Toronto, Kansas.

ROSE AND SINGLE COMB RED COCK-erels \$1.50 and \$2. Mrs. O. W. Culp, Paradise, Kan.

R. C. RED COCKERELS \$2 EACH. LARGE boned, no smut. Pullet \$1 each. Lotta Lisk, Lenexa, Kan.

ROSE COMB REDS. COCKERELS, EGGS. Color. Egg record. Price all right. Clay-ton, Americus, Kan.

LARGE PURE SINGLE COMB RHODE Island Red cockerels \$2.00 each. O. C. Duprey, Clyde, Kan.

50 EXTRA GOOD SINGLE COMB RED cockerels, prices reasonable. C. E. Flo-rence, Eldorado, Kansas.

THOROUGHbred S. C. RED COCKERELS, two and three dollars. Extra fine. Mrs. L. J. Loux, Scott City, Kan.

200 EGG STRAIN ROSE COMB REDS. Choice cockerels \$2.50. Eggs \$2.00 per 15. Leo Dorrell, Du Quoin, Kan.

LUNCEFORD'S S. C. QUALITY REDS. Good breeding cks. and pullets \$1.50 to \$5.00. Sadie Lunceford, Mapleton, Kan.

CHOICE DARK ROSE COMB RED CKLS. \$2.00 each. White Indian Runner ducks \$1.00 each. Mrs. Jas. Crocker, White City, Kan.

FOR SALE—TWENTY ROSE COMB RHODE Island Red cockerels that will please you. Write your wants. S. W. Wheeland, Holton, Kansas.

BIG BONED, FARM RAISED, RHODE IS-land Red cockerels for farmers and fan-clers at attractive prices. H. A. Sibley, Lawrence, Kan.

BARGAINS—BIG, VIGOROUS, DEEP RED, Rose Comb cockerels. Sunnyside Farm, Havensville, Kan.

SINGLE COMB RHODE ISLAND RED cockerels. Kansas State Agricultural col-lege strain. 2 to 5 dollars. G. E. Gregory, Reading, Kan.

OUR ROSE COMB REDS MADE BEST winners at Hutchinson and Wichita. Cockerels \$1.50 to \$3. Roberts & Bauman, Holington, Kan.

FOR QUICK SALE, 30 ROSE COMBED R. I. Red cockerels and 50 pullets, \$1.00 each. Eggs after Feb'y 1st. F. B. Severance, Lost Springs, Kan.

BIG BONED, DEEP RED R. C. COCKER-els, red eyes, long back, low tail, good comb. Scored. \$5 each. Guaranteed. High-land Farm, Hedrick, Iowa.

ROSE COMB REDS. COCKERELS \$2. Bred from winners at American Royal, Kansas State Fair, Oklahoma State Fair, Baldwin Red Farm, Conway, Kansas.

CHOICE R. C. RED COCKERELS, ONE and two dollars. No smut, no white feathers. Breeding thoroughbred Reds only for six years. F. Borden, Winona, Kan.

ROSE COMB RED COCKERELS, SPLEN-did utility \$1. Even, deep cherry red, no slate or white \$3. White queen Indian Runner ducks \$2. Drakes \$1. White eggs. W. I. Whiteside, Redfield, Kan.

100 ROSE COMB RHODE ISLAND RED cocks and cockerels that have shape, color and size. Sired by roosters costing from \$15.00 to \$75.00. \$1.50, \$3.00, \$5.00, \$7.50, \$10.00 each; a few higher. No better bred birds. Pens mated for 1915 are by far the best we ever had. W. R. Huston, Amer-icus, Kan.

ORPINGTONS.

S. C. WHITE ORPINGTON. \$3 TO \$5. Mrs. Geo. Bellman, Hays, Kan.

CHOICE BUFF ORPINGTON COCKERELS. Rose Bassett, Burlingame, Kan.

BUFF ORPINGTON COCKERELS AND pens. Mrs. T. N. Beckey, Linwood, Kan.

GERTRUDE GEER'S GOLD NUGGET strain Buff Orpington cockerels. Winfield, Kan.

FINE, LARGE, WHITE ORPINGTON COCK-erels \$1.25 each. Bertha Reed, Attica, Kan.

SINGLE COMB BUFF ORPINGTON COCK-erels, \$1.25 each. Edith Shelby, Moline, Kan.

CHOICE BUFF ORPINGTON COCKERELS, reasonable. Clarence Lehman, Newton, Kansas.

BUFF ORPINGTONS, COCKERELS, HENS, pullets for sale. Address A. Wales, Downs, Kan.

FOR SALE—S. C. BUFF ORPINGTON cockerels, \$1.50 each. A. L. Wilkins, Bushnot, Kan.

S. C. BUFF ORPINGTON COCKERELS. One dollar. Mrs. L. Sweany, R. 7, Man-hattan, Kansas.

WHITE ORPINGTON COCKERELS, PURE bred, \$2 to \$3 each. John Van Amburg, Marysville, Kansas.

THOROUGHbred BUFF ORPINGTON cockerels \$1.50, \$2.00 each. Young's Poul-try Yard, Sawyer, Kan.

S. C. BUFF ORPINGTONS, COCKERELS and cocks \$2 to \$10. Hens \$1 to \$3. Mrs. Grant Stafford, Winfield, Kan.

WHITE AND BUFF ORPINGTON COCK-erels for sale \$1.50 each. Buff pullets \$1.00. Mrs. Walter Love, Mahaska, Kan.

BUFF ORPINGTONS—35 YEARLING COCK-erels for sale, of rare quality; can please you. Aug. Petersen, Churdan, Ia.

S. C. BUFF ORPINGTON COCKERELS for sale. Farm raised. \$1.50 to \$2.50 apiece. Fred Mowry, Bellefonte, Kan.

WHITE ORPINGTON KELLERSTRASS Jackson strain cockerels. Large. \$1.00 and \$2.00. Robt. Turner, Anthony, Kan.

WHITE ORPINGTONS—KELLERSTRASS-Carry strains. Stock and eggs for sale, prices right. H. B. Humble, Sawyer, Kan.

241 EGG STRAIN. BUFF ORPINGTONS. 200 choice cockerels, hens and pullets. Catalogue free. Walter Bardsley, Neola, Iowa.

LARGE, PURE BRED S. C. BUFF ORP-ington cockerels, \$2.00 and \$3.00 each. Mrs. A. Gfeller, Chapman, Route 3, Box 28, Kansas.

BUFF ORPINGTON CKLS. WINNINGS, Topeka, fourth ckl.; Emporia, first cock, first hen, second pullet, second pen. Prices right. A. R. Carpenter, Cancell Grove, Kan.

WHITE ORPINGTON COCKERELS, \$3 each. Parent stock Kellerstrass' \$30 mat-ings. Eggs \$2 and \$1 per fifteen. Utility \$5 per hundred. Mrs. W. Patterson, Yates Center, Kan.

DON'T OVERLOOK, OVERLOOK POUL-try Farm, when in need of Buff or Black Orpingtons. Mating list now ready. Some good cockerels at \$3 and \$5. Chas. Luen-gene, Box B149, Topeka, Kan.

CRYSTAL WHITE ORPINGTONS. SIXTY-five eggs on January ninth from one hun-dred layers. Cockerels, pullets, hens, eggs and chicks for sale. Urbandale Poultry Farm, Butts Bldg., Wichita, Kan.

BUTTERCUPS.

SICILIAN BUTTERCUPS WHITE. DOC-tor Stevens, Caney, Kan.

BLUE ANDALUSIANS.

QUALITY BLUE ANDALUSIAN COCKER-els from \$3.00 to \$5.00, for sale at A. A. Neufeld, Route 4, Inman, Kan.

BLUE ANDALUSIANS. GREAT LAYERS. 20 hens laid 2589 eggs 6 1/2 months. Cocks, cks., eggs for sale. John A. Huber, La Crosse, Kan.

ANCONAS.

ANCONA EGGS FOR HATCHING. 15 \$1.00. 100 \$5.00. Lucie House, Haven, Kan.

SEVERAL VARIETIES.

RABBITS, GUINEAS, GEESE, CAPONS wanted. The Cope's, Topeka.

ROSE COMB REDS, SILVER LACE WY-andottes. Mrs. Ola Elliott, Delphos, Kan.

WHITE ROCK CHICKENS, INDIAN RUN-ner ducks. William John Lewis, Lebo, Kan.

BOURBON RED TOMS, \$5.00. S. C. BUFF Orpington cockerels, \$3.00. Mrs. Raleigh Weaver, Wakefield, Kan.

PUREBRED S. C. W. LEGHORN AND W. Rock cockerels, \$1.00 each or six for \$5.00. J. R. Haywood, Hope, Kan.

S. C. W. LEGHORN COCKERELS. IN-dian Runner drakes. Write for bargain prices. O. N. Keller, Le Roy, Kan.

EXTRA FINE BOURBON RED TOMS. Partridge Rock and Buff Orpington cock-erels. Sol. Banbury, Pratt, Kan.

FOR NEARLY ALL BREEDS FANCY poultry and eggs, Baby chicks and Duroc hogs, F. Kremer, Manchester, Okla.

MAMMOTH BRONZE TURKEYS. TOMS \$5.00. Hens \$3.00. Also White Langshan, White Leghorn cockerels, Buff Rocks and Brown Leghorn cockerels. Mrs. G. F. Saun-ders, Denison, Kan.

SEVERAL VARIETIES.

CHOICE MAMMOTH BRONZE TURKEYS and Single Comb Buff Orpington cock-erels. Mrs. Perry Higley, Cummings, Kan.

85 PARTRIDGE ROCK AND GOLDEN Wyandotte cockerels and pullets, interest-ing prices. C. E. Florence, Eldorado, Kansas.

PURE BRED BARRED ROCK AND PART-ridge Cochins cockerels \$1.50, \$2.00. Eggs in season. Mrs. J. R. Rathbun, Simpson, Kan.

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

FOR SALE. KELLERSTRASS WHITE Orpington cockerels \$1.00. Bronze turkey toms \$3.00. Geo. Roggensdorf, Carlton, Kan., R. 1.

WHITE HOLLAND TOMS \$4.00, HENS \$2.00. White Pekin drake \$1.50. Fawn and White Indiana Runners \$1.00. Ura Randolph, Culver, Kan.

FINE WHITE HOLLAND TOMS \$5. WHITE Wyandottes one fifty each. Toulouse geese \$2 each, trio \$5. B. B. Kemper, Mountain Grove, Mo.

FOR SALE—GOLDEN SEBRIGHT BAN-tams, White Wyandottes and White Orp-ington cockerels. Price \$1 to \$2. Bert Stevens, Vinland, Kan.

UTILITY COCKERELS \$2.50 EACH. S. C. White Leghorns, Light Brahmas, Barred Rocks, S. C. R. I. Reds. Poultry Dept. K. S. A. C., Manhattan, Kan.

FOR SALE—WHITE HOLLAND TUR-keys and White Wyandotte cockerels. Reasonable prices. Mrs. Everett Bocher, Route 3, Fredonia, Kan.

BUFF LEGHORN COCKERELS \$1 TO \$3. Also one full blood big boned Bourbon Red tom for \$3.50 if taken soon. Mrs. F. B. Wempe, Frankfort, Kan.

ROSE COMB WHITE LEGHORN, SILVER Spangled Hamburg, Black Langshans, Bourbon Red turkeys, cockerels. Chas. Gresham, Bucklin, Kansas.

FOR SALE—HIGH GRADE BOURBON Red turkeys; hens and toms. Also high-grade Rhode Island Red cockerels and pul-lets. Write for full particulars. F. M. Kern, Springfield, Ind.

RHODE ISLAND REDS, MALES AND FE-males, Single and Rose Comb, raised from Kansas State Show winners, \$2.00 and up. Write today. A. M. Butler, 1561 Pallade St., Wichita, Kan.

FISHER'S S. C. BUFF ORPINGTONS. Mated pens. S. C. White Leghorns (from 200 egg hens. Fawn, White Indian Runners, 280 white egg strain. Satisfaction guaranteed. Frank Fisher, Wilson, Kan.

COCKERELS—SCORED AND UNSCORED birds at farmer's prices. Indian Runner and other ducks, geese and turkeys. Norfolk Breeders' Co-operative Assn., Norfolk, Neb.

COCKERELS—WHITE WYANDOTTES EX-clusively. Early March hatched; large, vig-orous; breeders; Rose Comb, pure white, \$2, \$3, \$5 each. Fertile eggs for hatching \$1 and \$3 setting 15. 100 eggs \$5. Snowflake Poul-try Farm, Mrs. H. S. Tonnemaker, Beatrice, Neb.

FOR QUICK SALE—60 THOROUGHbred Black Langshan cockerels, weighing 8 to 10 pounds, \$2.50, \$3.00 and \$5.00. Will pay express both ways and refund money, if dis-satisfied. Also few White Langshan and Partridge Rock cockerels. Write quick. Frank A. Vopat, Lucas, Kansas.

INCUBATORS.

A BIG, STOUT, LUSTY CHICK FROM every hatchable egg. The proven record of Fairfield Incubators everywhere. Free catalog and poultry book. Sam Thompson, Fairfield Incubator Co., No. 56 Main St., Fairfield, Nebraska.

MISCELLANEOUS.

HENS WANTED, THE COPE'S, TOPEKA.

EGG CASES 16C EACH, THE COPE'S, TO-peka.

FIFTY BABY CHIX FREE. NEW HOT water jug brooder. Eggs for hatching. Free circular. Kansas Poultry Company, Norton, Kansas.

POULTRY RAISERS SUCCEED WITH Mandy Lee Incubators, Lee's Lice Killer, Germoxone, and Lee's Egg Maker. Sold by dealers or direct. Send for Catalogs and Lee's Poultry Book. Free. Geo. H. Lee Co., Mfrs., Dept. 37, Omaha, Neb.

FIRELESS INCUBATOR. BEEN TESTED. Proved to be successful. Inexpensive, non-explosive, nothing like it. Pat'd 1914. Entirely new. Try one. Write for particu-lars. Bess and Isbell, Waukomis, Okla.

IF YOU CAN FURNISH A CASE OF fresh eggs per week, why not ship them direct and receive a better price for them? Write us for quotations. Ozark Valley Butter & Egg Co., 3409 Flora, Kansas City, Mo.

KEEP POULTRY HEALTHY BY USING the new portable, durable, sanitary poul-try roost. Effectively fumigates the poultry each night, preventing roup, mites, lice, etc. Guaranteed. Easy and inexpensive to make. Specifications sent for one dollar. W. E. John, Siloam Springs, Ark.

OILS.

BEST AUTOMOBILE ENGINE, CYLINDER oils, greases, crude dip, kerosene, etc. Save money by writing for price list. Neosho Val-ley Oil Co., L. J. Hurt, Mgr., Station "E," Kansas City, Mo.

LUMBER.

LUMBER—HOUSE AND BARN BILLS DI-rect from mill to consumer. Wholesale price. Shipped anywhere. McKee Lumber Co., Shawnee, Okla.

LIVESTOCK

HEREFORD BULLS. SEED CORN. W. R. Hildreth, Oswego, Kan.

STANDARD BRED STALLIONS FOR SALE right. D. H. Bibens, Larned, Kan.

TWO YEARLING GALLOWAY BULLS, priced right. H. E. Davis, Norwich, Kan.

MY REGISTERED HOLSTEIN HERD BULL 4 yr. old, cheap. W. H. Surber, Peabody, Kan.

LARGE, YOUNG KY. JACK WITH REPUTATION, reasonable. J. S. Smalldon, Fairbury, Neb.

REGISTERED HAMPSHIRE SWINE BRED in the "Blue" priced to sell. Fred G. Triplett, Lyons, Kan.

REGISTERED DUDOC PIGS, THREE months old weight 80 pounds, \$10. A. V. Balch, Morrilton, Ark.

TO TRADE FOR OTHER STOCK, FIVE Mammoth jennets bred to good jack. E. A. Grady, Ravanna, Kan.

REGISTERED HOLSTEIN BULL 3 YRS. old, fine individual. Priced to sell quick. C. W. Stoddard, Olathe, Kan.

POLAND CHINA BOARS FOR SALE. Genuine herd headers. Write for prices. W. F. Fulton, Waterville, Kan.

FOR SALE—ONE THOROUGHbred Percheron stallion. One black jack, 4 jennets. W. M. Dice, Tecumseh, Kan.

FOR SALE—TWO AMERICAN BRED saddle stallions. Write for price and breeding. Jno. O. Evans, Asherville, Kan.

HIGH CLASS JERSEY BULLS AT A BARGAIN; from great dams and ready for service. Chester Thomas, Waterville, Kan.

FOR SALE—REGISTERED PERCHERON horse and jack; extra good stock. Come and see them. A. N. Mason, Stockdale, Kan.

FOR SALE—GRADE PERCHERON STALLION. Dapple grey, 7 years, 1800 pounds; sound; sure foal; insured. Rosenkraus, Frankfort, Kan.

FOR SALE OR TRADE. 2 GOOD REGISTERED Shire stallions, will trade for cattle or work mules. Related to our mares. Kidd Bros., Wakarusa, Kan.

BARGAINS: 1 PERCHERON, 3 BLK. jacks, spotted pony, large trotter. All money makers; guaranteed as represented. Lewis Cox, Concordia, Kan.

ONE BAY STALLION, PEDIGREED Percheron, 12 years old, weight 2100; one black jack, 4 years old, 14 hands, weight 800. For sale or trade. Sam J. Stevens, Eureka, Kan., Box 455.

FOUR GOOD JACKS FOR SALE. ELIGIBLE to registry. One three year old black jack, 15 hands 3 in. One 10 yr. old grey jack, 15 1/2 hands, weight over 1100 lbs. One six year old black jack, 14 hands 3 in. One yearling jack, jet black with white points, 15 hands 1 in. Priced to suit. Alex Brown, Stone City, Kan.

FOR SALE

BALED ALFALFA, PRAIRIE AND BOTTOM hay, kafir corn and feterita. A. B. Hall, Emporia, Kan.

250 TONS OF GOOD ALFALFA HAY FOR sale. If interested come and look at it. D. Badger, Eureka, Kan.

BULL TRACTOR FOR SALE. REDUCED price. Only used to plow forty acres. W. J. Robinson, Sterling, Kan.

I HAVE TWO NEW STANDARD CREAM separators I will sell for 60% of actual price. Address S., care Mail and Breeze.

FOR SALE—3 GANG MOTOR PLOW. HAS been used very little. Good as new. Cheap for cash. Write W. H. Ryer, 1211 Askew, K. C., Mo.

BUY YOUR LUMBER, DOORS, WINDOWS, shingles, etc., direct from mill, saving 25 per cent. Payment after examination, your town. Powell Land & Lumber Co., Rusk, Texas.

EXTRAORDINARILY GOOD CANE SYRUP, made from the juice of pure Ribbon cane. Contains all sugars and no chemicals. Especially care given to cooking and skimming, which guards against summer fermentation. Prices free. Sample can 10c. Telmah's Plantations Mills, Houston, Texas.

PATENTS.

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

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

MEN OF IDEAS AND INVENTIVE ABILITY should write for new "List of Needed Inventions," Patent Buyers and "How to Get Your Patent and Your Money." Advice free. Randolph & Co., Patent Attorneys, Dept. 25, Washington, D. C.

AGENTS.

AGENTS—GET PARTICULARS OF ONE of the best paying propositions ever put on the market. Something no one else sells. Make \$4000 yearly. Address E. M. Feitman, Sales Mgr., 521 Third St., Cincinnati, O.

WANTED—AN ENERGETIC AMBITIOUS active man to establish permanent business. Health and accident insurance. Immediate cash returns and future. Address National Casualty Company, Detroit, Mich.

SEEDS AND NURSERIES.

ENGLISH BLUE GRASS SEED, \$2.25 PER bu. H. G. Mosher, Schell City, Mo.

STRAWBERRY PLANTS \$2.00 PER 1,000. List free. J. R. Sterling, Judsonia, Ark.

WANTED 100 BU. ALFALFA SEED Direct from grower. Ernest Raasch, Norfolk, Neb.

WHITE SWEET CLOVER SEED \$12.00 per bu. Sample free. H. E. Davis, Norwich, Kan.

BUY TREES AT WHOLESALE PRICES. Fruit Book free. Write Wichita Nursery, Box B, Wichita, Kan.

SWEET CLOVER—WHITE AND YELLOW; biennial; choice seed; prices lower. R. E. Purdy, Falmouth, Ky.

SHELLED POP CORN RICE THREE AND one-half cents per pound. Yellow three. A. Fisher, Almena, Kan.

PURE RELIABLE SUDAN GRASS. Circular free. Get my prices. Jos. Mitchell, Manager, Sherman, Texas.

FOR SALE—500 TONS OF HAY; CORN, kafir corn and cane seed. Ask for prices. A. M. Brandt, Severy, Kan.

WHITE AFRICAN KAFIR SEED RE-cleaned. Price \$2 per 100 lbs. F. O. E. H. A. Knipper, Baileyville, Kan.

SUDAN, GUARANTEED FREE FROM Johnson grass, 5 to 10 pounds 50c pound. Charlie Clemmons, Verden, Okla.

SUDAN GRASS AS GOOD AS THE BEST. 45 cts. per lb., this station, sacks free. W. A. Beaumont, El Dorado, Kansas.

SUDAN GRASS, 25 POUND LOTS FOR \$10.00. Send P. O. Money Order with your order. Hess Realty Co., Humboldt, Kan.

WHITE SWEET CLOVER SEED, UN-hulled, re-cleaned, fine quality, 17 cts. per pound. R. L. Snodgrass, Harrisburg, Colo.

FANCY SWEET CLOVER SEED—PURE white, hulled, re-cleaned; fourteen dollars per bushel. F. O. E. J. F. Sellers, Florence, Kan.

E. H. FISHER, ELKHART, KAN., BUYER and shipper of grain and seeds. Maize, kafir, feterita, and cane seed in car lots are less.

SUDAN GRASS SEED. 500 POUND PRE-paid. Oklahoma grown. Guaranteed free from Johnson grass. J. S. Massey, Grower, Tipton, Okla.

WHITE BLOSSOM SWEET CLOVER, hulled, \$11 per bushel. Robert Reynolds, Eskridge, Kan.

SUDAN GRASS—KANSAS GROWN. GUAR-anteed free from Johnson grass. Officially inspected and approved. Wilson G. Shelley, McPherson, Kan.

SEED CORN. MOST DEPENDABLE VARIETIES, hand picked and graded. Description and prices free. J. B. Armistrop, Shenandoah, Iowa.

SWEET CLOVER SEED. PURE WHITE blossom variety. Hulled and re-cleaned. New seed. \$14 a bu., sacks free. Geo. Blagham, Bradford, Kan.

ALFALFA SEED—WESTERN KANSAS dry land alfalfa seed for sale. Samples and prices on application. P. O. Box 276. D. O. Chessmore, Atwood, Kan.

10 ELBERTA AND 5 CHAMPION PEACH trees for 95c by parcel post prepaid. Pruned ready to plant. Desk "C," Wellington Nurseries, Wellington, Kansas.

SUDAN GRASS SEED, 500 POUND. QUANTITIES less. Pure high grade farm seed. By grower, on experimental farm. G. H. Branham, Slaton, Lubbock Co., Texas.

ALFALFA SEED: CHOICE SEED GROWN by farmers around Winfield—thoroughly re-cleaned by us. Samples and prices on application. Silver Seed Co., Winfield, Kan.

THE WAY TO MAKE MONEY NEXT YEAR is to buy Lubbock officially inspected Sudan grass seed now and sell seed next season. Price 50 cts. per lb. Box 342, Lubbock, Texas.

SWEET CLOVER SEED. PURE WHITE blooming variety. Unhulled, re-cleaned 24c and hulled, re-cleaned 27c per pound. Unhulled \$14 and hulled \$15 per bushel, each of 60 pounds. E. G. Fennup, Garden City, Kan.

SUDAN GRASS SEED, OFFICIALLY INSPECTED and approved. All about it and purity guarantee with every sale. 50c lb., 10 lbs. \$4.50. Prepaid to you. Buy now. No better seed sold on earth. C. E. White Seed Co., Plainview, Texas.

SUDAN GRASS SEED—WE HAVE A LIMITED quantity of inspected seed on hand that we are closing out at prices that will interest you. It will pay you to write for our prices. Reference, First National Bank, Lubbock. Kimbro & Parks, Lubbock, Texas.

SEEDS—WE ARE PREPARED TO BOOK your orders for the following seeds. Alfalfa, cane, white or yellow maize, kafir, feterita; German, golden, Siberian, hog millets; in car load lots or mixed car. We live in the heart of the growing district where the above seed grows. Samples sent on request. L. A. Jordan Seed Co., Winona, Kan.

FOR \$1 I WILL SEND YOU 8 TWO YEAR budded apple, pear or peach or 5 cherry trees, or 75 blackberry, raspberry or dewberry or 25 grape, gooseberry, currant or rhubarb, or 100 asparagus or 50 ever bearing or 200 spring bearing strawberry plants, or 100 cedar or other evergreens or 8 roses. Catalogue free. Manhattan Nursery, Manhattan, Kansas.

FOR SALE OR TRADE.

STEAM ENGINE TO TRADE FOR BULL tractor. S. B. Vaughan, Newton, Kansas.

SALE OR TRADE. MAMMOTH JACK. Denmark saddle stallion. Chas. Randall, Wetmore, Kan.

FOR SALE—THRESHING OUTFIT OR trade for tractor or stallion. Harry Dyck, Moundridge, Kan.

STORE BUILDING HOYT, KAN., PAYING 8% on investment. Livestock considered. Write Bruce Kennedy, Mullinville, Kan.

FIVE PASSENGER 1914 OVERLAND auto, fully equipped, electric lights, starter, etc.; practically new. Will trade for good young cattle, dairy stock preferred. Write at once. Edw. F. Stegeman, Hope, Kan.

TO TRADE FOR STOCK GEN. MDSE. 160 a. imp., close to town, dandy piece of land; also 2 other quarters unimproved, will trade from 4 to \$3,000. Stock. Describe stock in first letter. J. M. Denning, Gove, Kansas.

LANDS.

BUY SUMNER COUNTY, KANSAS FARMS. H. H. Stewart, Wellington, Kansas.

CALIFORNIA ORANGE AND OLIVE LAND for sale. Lineker Land Co., Palermo, California.

120 CLOUD COUNTY, IMPROVED, GROWING wheat, \$5400. Walter Axtell, 1315 Lincoln, Topeka, Kan.

CENTRAL MICHIGAN FARMS—FRUIT, grain or stock. Write for free list. Phillip O. Lippert, Stanton, Mich.

SMALL, WELL IMPROVED KANSAS farm for good Colorado relinquishment. F. C. Watkins, Hutchinson, Kan.

MUST SELL 160 A. GOOD LEVEL LAND in Cimarron Co., Okla. Price \$1200 cash. Write owner, Marie S. Gens, Greensburg, Kan.

SAY: DO YOU WANT TO BUY A GOOD farm cheap? If you do, write me for description and price of farms. F. D. Greene, Longton, Kan.

FOR SALE: 10 ACRES SUBURBAN, WELL improved, variety of fruits, good buildings, etc., close in. Charles Winston, Route 1, Topeka, Kan.

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

FOR SALE. ALL OR PART OF 640 A. 4 1/2 mi. from Co. seat. Good wheat and stock farm. Reasonable and terms. Geo. Shriwise, Jetmore, Kan.

FOR SALE OR EXCHANGE FOR BEST wheat land in eastern Kansas, improved stock and grain quarter, Marshall Co. Webb Vanlew, Axtell, Kan.

200 ACRES, IMPROVED, ADJOINS COUNTY seat, east Kansas. Will accept good clear property as first payment. John Billington, Meadville, Mo.

SALE OR EXCHANGE. 160 ACRES, RICH alfalfa land, under irrigation. Improved. Clear. Describe and price offers. Route 1, Box 26, Garden City, Kan.

HOMESTEADS—CAN LOCATE FEW parties on good homesteads near town for \$150 each. Also have fine 160 deeded for \$9 per acre. Box 3, Willard, Colo.

110 ACRES BOTTOM LAND ADJOINING town, creek through place; 5 room house and barn; 54 town lots go with place. Price \$5,500. C. E. Hall, care Hoyt State Bank, Hoyt, Kan.

80 A. EXTRA GOOD LAND IN WASHINGTON Co.; good improvements, never failing well, 10 a. alfalfa; 4 miles to good town. \$6,000. Mrs. A. Bellows, Webster, Kansas.

QUICK CASH FOR YOUR PROPERTY OR business no matter where located. Low fees. Quick sales. Special terms to owners. Dept. F., Co-operative Salesman Co., Lincoln, Neb.

FOR TRADE—160 ACRES IN ROCKS county, Kansas, 125 acres in cultivation, fair improvements, for good jack, Percheron and Coach horse. F. M. Learned, Woodston, Kansas, Agt.

SECTION OF LAND, UNIMPROVED, ALL tillable, forty miles S. Liberal, Kan. No better wheat land anywhere. Must sell. No trade. Investigate this. Geo. M. Perry, Ochiltree, Texas.

JEWELL COUNTY, KANSAS. A GOOD, well improved 160 acre farm for sale. Good soil, plenty of water. Owing to ill health, must sell at once. \$10,500.00, good terms. R. M. Cauthorn, Mankato, Kansas.

CHEAPEST RANCH IN KANSAS. 1600 acres, \$7.00 per acre. One-third cash, balance 6%. Also 1600 acres joining can be leased cheap. No trades. Write or call. Do it now. John W. Baughman, Liberal, Kansas.

FOR SALE—40 ACRES RIVER BOTTOM. four miles from Kansas State Agricultural college—ten acres alfalfa—two acres fruit—improvements poor. Price \$4,000. one-half cash. Get busy. The Smiths, Manhattan, Kan.

WANTED—CATHOLIC FAMILIES TO LOCATE around Turon, Kan. New church just built, no debt. Good imp. farms, corn, wheat and alfalfa land. Prices from \$35 to \$60 per a. fine terms. John Collopy Realty Co., Turon, Kan.

FOR SALE—160 A. NEAR PHOENIX, Arizona, all in alfalfa, under the Roosevelt dam, class A water; worth \$18,000; clear of encumbrance; now rented for \$1200 yearly; or will trade for northeastern Kansas land, preferably near Lawrence, Topeka or Manhattan. Address owner, Smith Curry, Dunavant, Kan.

LANDS.

PRODUCTIVE LANDS: CROP PAYMENT or easy terms along the Northern Pac. Ry. in Minn., N. D., Mont., Idaho, Wash. and Ore. Free literature. Say what state interests you. L. J. Bricker, 46 Northern Pac. Ry., St. Paul, Minn.

FOR SALE—SEVERAL FARMS IN GRAIN belt of Oklahoma. Will sell for one-fourth down, balance easy terms. Good crops, good country, cheap land. My own land, no commission to pay. Chas. A. Waters, Woodward, Okla.

160 ACRES JUST ONE MILE FROM TOWN on main county road. Good limestone soil. 70 acres in cultivation, part in alfalfa. Nicely improved and a pretty place. No overflow or waste land. \$75 an acre. A. C. Kerr, Owner, Toronto, Kansas.

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.

WASHINGTON NEEDS FARMERS TO feed her rapidly growing cities. Climate ideal, water abundant, land plenty, specially suitable for dairying, poultry, stock raising, etc. Write State Bureau of Statistics and Immigration for official bulletin. Bureau has no land for sale. Address I. M. Howell, Commissioner, Dept. B6, Olympia, Wash.

WHY NOT RAISE YOUR CROPS IN A country where spring opens early and the climate makes it comfortable for you to work all the year? You can do that on land selling as low as \$15 an acre, with a small cash payment and long terms to good farmers. Write for facts and tell about yourself and what you would like to do. Farm Development Bureau 42, Chamber of Commerce, Spokane.

FOR SALE. ONE OF THE BEST 385 acre farms in Butler County, Kansas. 4 1/2 miles from Eldorado, on Walnut River. 135 acres bottom; 93 acres alfalfa; 215 acres under cultivation; remainder pasture, meadow, 15 acres timber and feed lots. Good two story twelve room house, barn, silo and other out buildings, abundant water. \$85 a. Will cut off one quarter if too large. A. W. Graper, El Dorado, Kan., R. 4.

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 1/4 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.

FARMS WANTED.

WANTED—A FARM TO WORK ON shares, owner to furnish everything. Good reference. Box 12, Americus, Kan.

WANT TO RENT FARM. PREFER AN equipped farm. Give description of farm. Address Henry Pauly, 615 Lincoln St., Topeka, Kan.

SELL YOUR FARM OR BUSINESS QUICKLY for cash no matter where located. Information free. Black's Business Agency, Desk 9, Chippewa Falls, Wis.

I HAVE SOME CASH BUYERS FOR SALE-able farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

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

HEDGE POSTS.

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

POST WANTED—I WANT A SMALL CAR of Osage hedge fence post. Chas. J. Nelson, Yuma, Colo.

SILOS.

WE WANT AGENTS TO SELL OUR steel silo fixtures. Sixty-ton silo \$75. The original flooring silo. In use in fourteen states. Liberal commissions. Get booklet with testimonials. Bonita Farm, Raymore, Mo.

HELP WANTED.

WANTED: MARRIED MAN WITH NO children for general farm work. Wife for housework. J. W. Taylor, Chapman, Kan.

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

15,000 GOVERNMENT JOBS OPEN TO men and women. \$65.00 to \$150.00 month. Write for list. Franklin Institute, Dep't P-51, Rochester, N. Y.

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.

WANTED SALESMAN TO REPRESENT us in western territory; \$65 to \$150 per month and expenses. Experience unnecessary. Address, G. & G. Laboratory, 1617 Grand Ave., Kansas City, Mo.

MALE HELP WANTED.

GOVERNMENT FARMERS WANTED. AGE 21 to 50. Make \$125 monthly. Write, Ozment, (38 F) St. Louis.

WANTED—RAILWAY MAIL CLERKS. \$75 month. Examinations soon. Sample questions free. Franklin Institute, Dep't P 51, Rochester, N. Y.

WANTED—RELIABLE MEN TO SELL nursery stock. Paid weekly; experience unnecessary; outfit free. F. H. Stannard & Co., Ottawa, Kansas.

WANTED—YOUNG MARRIED MAN WITH common sense, farm knowledge and ambition, for operations in southwest Kansas. (L. W., care Mail and Breeze.)

MOTORMEN—CONDUCTORS; INTERUR- ban; earn \$80 monthly; experience unnecessary; qualify now; state age; details free. E., care Mail and Breeze.

RAILWAY MAIL CLERKS, CLERK-CAR- riers and rural carriers wanted. I conducted examinations—can help you. Trial examination free. Ozment 38, St. Louis.

SALESMEN WANTED FOR FULL LINE fruit and ornamental trees. No experience necessary. Full or part time as you prefer. Prompt pay each week. The Lawrence Nurseries, Lawrence, Kansas.

MEN 20 TO 40 YEARS OLD WANTED AT once for electric railway motormen and conductors; \$60 to \$100 monthly; no experience necessary; fine opportunity; no strike; write immediately for application blank. Address: Manager, B-527 Dwight Bldg., Kansas City, Mo.

FARMERS—GET U. S. GOVERNMENT jobs. \$65 to \$150 month. Short hours. Easy work. Vacations. Common education sufficient. Pull unnecessary. Write immediately for list of positions now obtainable and information how to get appointment. Franklin Institute, Dep't P 51, Rochester, N. Y.

MISCELLANEOUS.

SHIP YOUR HIDES TO THE COPE'S, TO- peka.

MONEY TO LOAN ON KANSAS FARMS. Ella Peacock, Topeka, Kan.

FOR BELGIAN HARES WRITE J. W. Wampler, Garden City, Kan.

1000 LETTERHEADS \$2. CASH WITH OR- der. Acme Printing Co., 1202 Grand Ave., Kansas City, Mo.

WANTED TO CORRESPOND WITH farmer that wants steady hand. C. A. Donahoe, Henryetta, Okla.

WANT 45,000 DOLLARS TO LOAN ON Texas city and farm property at 8 cents. Whitney Realty Co., 1447 Ash St., Beaumont, Texas.

LONG GREEN LEAF TOBACCO TO CHEW or smoke. Twenty and twenty-five cents per pound. 100 pounds delivered. Cutler and Gallagher, Holt, Mo.

100 NOTEHEADS AND 100 ENVELOPES \$1.00; 250 each \$2.00; 500 each \$3.00 postpaid. Best value. Send for samples. Letterhead Shop, 1025 Broadway, Kansas City, Mo.

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

BIG BARGAIN FOR SHORT TIME ONLY. Send only 10 cents and receive the greatest farm and home magazine in the Middle West for three months. Special departments for dairy, poultry and home. Address Valley Farmer, Arthur Capper, publisher, Dept. W. A. 10, Topeka, Kansas.

A MILLION DOLLAR BOOK. IF WE CAN get ten thousand farmers to read the Equity Text Book, they will join the Equity Union and we will save them one million dollars per year as we are doing for our present membership. Send fourteen two cent stamps to The Equity Union, Greenville, Ill., for the book and read carefully our plan of co-operation which holds ten thousand farmers together in a business union. C. O. Drayton, Greenville, Ill.

Steel Posts or Concrete?

For line fences, or permanent cross fences, steel posts are much better than wood or concrete posts. The life of steel posts is very much longer than wood posts, and when set in concrete they maintain their alignment indefinitely. The cost of steel posts is not high. The line post will not exceed in cost a good wood post. One style of post on the market requires no staples to fasten the wire. The fence is secured to the post by means of tongue-like punchings on the post. These tongues being bent around the wire secure it firmly to the post. These posts are round and tapering, and are galvanized to prevent rusting. Another style of post is made of angle iron, with holes on side to receive staples. As the staples are driven home the ends cross, thus clinching them and holding the fence securely. Barbed wire and woven field fencing may be used with either.

L. D. Crain.

Colorado Station, Ft. Collins.

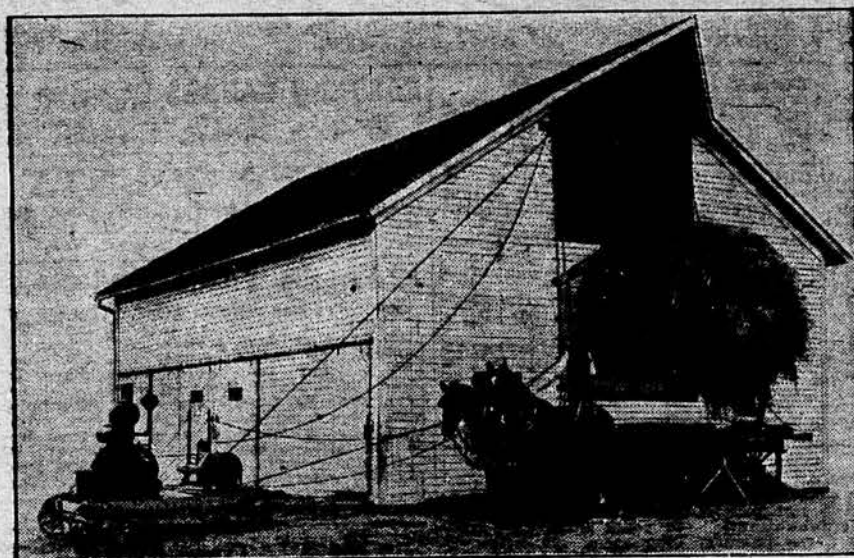
The number of women at work in Chicago increased 58 per cent between 1909 and 1914.

Swiss chard has proved worthy of a place in the garden.

A Power Lift For Hay

There has been a considerable extension in the last few years in the use of engines for supplying the power for lifting hay into the barn. A hoist of this kind is not expensive, and it does the work more rapidly than a horse can do it. It is not necessary to bother with the horse, either, if the engine is available. A Loudon hoist is shown in the illustration.

One has a great deal of need for a power hoist on a farm, as it can be used many times during the year. They



A Power Hoist Will Lift the Hay into the Barn Rapidly and Efficiently and It Is Not Necessary to Keep a Horse Out in the Flies.

are made in several sizes and prices. Any engine can be used to produce the power, of course, and it may readily be detached from the hoist after the work is done. Perhaps the best thing about an outfit of this kind in haying is that one does not have to keep a horse standing around, annoyed by the flies, between loads while waiting for another load of hay to come in from the field.

Better Farming Is Needed

The war in Europe will greatly increase the demand for food. A great many of the producers are engaged in this war, so the production of food from the farms of Europe will be much reduced. The farms of the United States must make up this loss. There is a

No prisoners are exchanged in this war, and thousands upon thousands of the men in prison camps are so poorly provided for that they cannot keep themselves clean and free from vermin. There are no truces even to bury the dead. For miles in battle territory covered with dead and dying, the stench is so terrible that only by constantly smoking tobacco can men stand it. Through long ages man has risen from barbarism to civilization, but from civilization to barbarism is a single step downward. War the Destroyer can undo the work of centuries in a day. Its god is Militarism.

great opportunity before the producers of the Middle West just now, but it will require considerable care and effort to meet it.

That is the opinion of the implement dealers of the Middle West, who met in Kansas City last week. They believe, too, that the dealers should make a greater effort to co-operate with farmers in the solution of country problems. These resolutions, which express the ideas of the members, were adopted:

"That the United States will be called on for the next year or two, perhaps longer, to furnish a very much larger per cent of the food supplies of the world is a fact; and that we can supply it is equally true. That each acre of cultivated land must produce more crops, and that more acres of land must be brought under cultivation is a condition that must be met.

"The increased value of farm land, the higher price for farm labor, the increased cost of farm living, the cost of better homes and modern conveniences demanded by the rising generation make this subject of farming of vital

importance to the farmer, the merchant, the banker, the manufacturer and all other business interests. We business men acknowledge that we must be continually improving our methods and that our commercial education cannot lag; therefore, it is not presumptuous on our part to suggest to the farmer the necessity of advancement along the lines of his industry.

"We believe the merchant should know more of the scientific side of farming and be prepared to impart his knowledge to his farmer customer in a manner that can be comprehended and

put into practice. We would suggest that at the time of farm institute meetings our stores be closed and that the merchants take their employees to these meetings. We would suggest that all merchants take a greater interest in the county fairs and jubilees and see that the display of agricultural products be given the consideration due them.

"Farm advisers should have the support and co-operation of all business men."

Alfalfa Seed Without Bees

In some locations bees are very scarce but alfalfa will often produce good crops of seed without their aid. A crop of alfalfa seed is never obtained except when the flowers have been "tripped," which term describes the snapping back of a part of the flower in such a way as to deposit pollen on the stigma. Production of seed usually results from this action. Bees in search of honey or pollen "trip" some of the flowers, but there are two other ways in which the action may be performed. In some cases the flower will "trip" itself automatically if the climatic conditions are satisfactory, or the flowers may be "tripped" artificially by human agency.

Of the three agencies that may "trip" the alfalfa flower only the insect naturally carries the pollen from flower to flower. As pods form in artificially tripped flowers it is evident that flowers do not necessarily need pollen from others in order to become fertilized. Moderately warm weather interspersed with cool nights is a condition that seems peculiarly favorable in aiding flowers to "trip" themselves. When the weather cools off the flowers do not "trip" so readily.

Investigations have shown, however, that pollen brought from other flowers will produce more pods than does the flower that is self-fertilized. Thirty per cent of the flowers fertilized with their own pollen produce pods, while 46 per cent fertilized with pollen from other plants produce pods. In the former case the pods each contain on an average of 1.4 seeds while in the latter they contain 2.4 seeds.

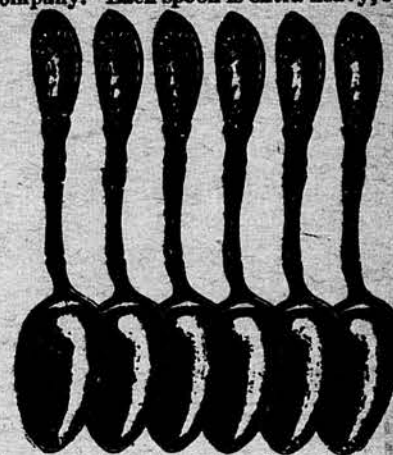
Investigations of the United States Department of Agriculture have shown that a mistaken notion has been held regarding the kinds of bees that aid alfalfa seed. While "leaf-cutter" bees will "trip" about 90 per cent of the flowers they visit, and bumble bees about 50 per cent, honey bees "trip" less than 5 per cent. Even though a honey bee trip only 5 per cent of the flowers it visits, the great number of such bees that can be kept on an alfalfa field, taken in connection with their activity, compensate for the low efficiency of each bee.

Big Valentine Package 10c

25 Valentine, Love and Post Cards, 50 Good Luck Hearts, 50 Greeting Notes, 50 Love Letters, 50 Poignant Notes, 50 Love Messages, 75 Gummed Greeting Seals, 75 Love Verses and Toasts (material for 60 Valentines), all in bright colors, hearts, cupids, pretty girls, doves, bows and arrows, etc. Biggest and prettiest collection of Valentine Cards and Favours you ever saw. ALL post paid 10 cents—5 lots \$1.00. Address **STAR CARD CO.** 29 Clinton St., CHICAGO

SIX SILVER NARCISSUS TEASPOONS FREE.

I have just consummated a most remarkable purchase whereby I secured at a ridiculously low figure 5,000 sets of beautiful Silver Plated Narcissus Spoons made by the famous Oxford Silver Plate Company. Each spoon is extra heavy, full



standard length, extra deep bowl and with beautifully embossed and engraved handles. I am going to give a set of these handsome spoons absolutely free, postage paid, to all who send just \$1.00 to pay for a year's subscription to my big farm weekly, The Farmers Mail and Breeze. Send your subscription order at once and secure a set of these beautiful and serviceable spoons. State whether you are new or old subscriber. Time will be extended one year if you are already paid in advance. Address Arthur Capper, Publisher Mail and Breeze, Topeka, Kan.

FREE**This Famous Sewing Awl**

You can sew old or new harness, saddles, canvas, tents, rugs, carpets, quilts, shoes, grain bags and many other things. You can use any kind of thread in the Myers Awl, and it makes a lock stitch same as a sewing machine. It is very simple; a woman can use it as well as a man. It is one of the most practical devices ever invented. They are put up with two needles; one is straight and one curved, with a small screw driver and wrench combined. Also a reel of waxed thread with each awl ready for use. The cut does not show full size. With needle the awl is 6 1/2 in. long. It is the Myers Famous Lock Stitch Sewing Awl. It is the only Sewing Awl made with a groove running the full length of the needle, so as not to cut the thread when sewing, and has what is known as a diamond point. Every teamster and farmer should own a Myers Lock Stitch Sewing Awl, as there is use for one in almost every household. The Myers Awl is nicely finished, the metal parts are nickel plated, the needles and wrench are kept in the hollow handle which has a screw top.

Anyone who will send \$1.25 to pay for a one-year's subscription to our big farm paper can select one of Myers' Lock Stitch Sewing Awls, which we will send by mail, postage paid, as a free premium. Use Coupon below.

MAIL AND BREEZE

is the biggest and best farm journal in the West with over 100,000 readers. Established in 1873. Price, 1 yr., \$1.00. The best edited farm journal in America.

Pub. Mail and Breeze, Topeka, Kan.

Dear Sirs:—Enclosed please find \$1.25. Send me your paper regularly for 1 year, and one of the famous Lock Stitch Sewing Awls free and prepaid.

Name

P. O.

County..... State..... R.R.No....

BIG BARGAINS IN REAL ESTATE

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

Special Notice

All advertising copy, discontinuance orders and change of copy intended for the Real Estate Department must reach this office by 10 o'clock Saturday morning, one week in advance of publication to be effective in that issue. All forms in this department of the paper close at that time and it is impossible to make any changes in the pages after they are electrotyped.

A GOOD improved 160 at \$50 per acre. Write Decker & Booth, Valley Falls, Kan.

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

ALLEN CO. FARMS at owners' prices. Write for lists. R. L. Thompson, Iola, Kan.

ALFALFA land, Sedgwick Co. Write for price list. G. R. Davis, Valley Center, Kan.

160 WELL IMP. \$4800; \$1800 down. 80 well imp. \$3000; \$1000 down. Box 38, Thayer, Kan.

BOTTOM farms on interurban, 20 mi. Wichita. Write Harling Bros., Sedgwick, Kan.

NORTHEAST Kansas farm bargains. Write for list. Compton & Royer, Valley Falls, Kan.

LAND in Nemaha, Marshall, Pottawatomie Cos. \$30 and up. T. E. Rooney, Seneca, Kan.

FARMS and ranches, northeast Kansas, \$35 to \$125 acre. Geo. Loch, Marysville, Kan.

CATHOLIC communities a specialty; send for list. C. F. Fouquet Inv. Co., Andale, Kan.

IMP. FARM Pottawatomie Co. \$35 per a. Write me. O. H. Martin, Severy, Kansas.

FREE! Illustrated booklet describing richest Co. in Kan. Hoesey Land Co., Columbus, Kan.

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. Voran, Belpre, Kan.

FREE LISTS of Ness County grain, stock and alfalfa land. Fine land at \$10 to \$15 per a. Easy terms. West, Ransom, Kan.

TWO Lyon County bargains, best of alfalfa land; easy terms. Possession March 1st. Write for description. Box 104, Allen, Kan.

MUST sell three well improved Kansas farms before March 1st. Get descriptions, locations, prices. Melvin Smeltz, Durham, Kan.

1800 ACRES, 100 bottom, fine grass; good improvements. \$20 per acre. Good time but no trade. J. H. Price & Son, El Dorado, 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.

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, Copper Bldg., Topeka, Kan.

FOR BARGAINS in improved farms in Catholic settlements. Exchanges made. Write Frank Kratzberg, Jr., Greeley, Kansas.

HARPER COUNTY, Kansas. First class land, \$30 to \$45 per acre. Write us now. J. E. Couch Land Co., Anthony, Kansas.

IT'S \$10,600, best 240 in county, alfalfa land; 3 1/2 mi. town. Must sell; fair improvements. J. P. Donahue, Mound Valley, Kan.

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.

FOR SALE. 640 acres improved ranch. 120 a. cultivation, bal. pasture. 75% tillable. Living water. Will consider income property for part purchase. Price \$25 per a. L. E. Pendleton, Dodge City, Kansas.

VALLEY FARM 160 a. 2 mi. from Osage City, 90 a. in corn, 10 a. alfalfa, 20 a. hog pasture; bal. native grass meadow. 8 r. house, large barn and cow barn, Rock cave; cistern, well, windmill, 1000 catalpa trees. A bargain for \$65 per a. Rosenquist & Renstrom, Osage City, Kan.

3120 A. IDEAL RANCH—Adjacent to Ness Co., Kan. In compact body; 90% tillable; 1,000 a. bottom alfalfa land; rich soil; 600 a. in cultivation. Two sets imp. Can lease \$3,000 a. joining. Abundance water. Price \$30,000, terms. For particulars address C. F. Edwards, Ness City, Kansas.

153 ACRES, FINE IMPROVEMENTS. 3 1/2 mi. Cherryvale; good black level land, large new house; good outbuildings. Free gas. \$10,000; half cash. Bowman Realty Co., Coffeyville, Kan.

FARM FOR RENT. Good bottom land corn farm to rent to reliable tenant. Cash rent at low figure and will give option to buy at bargain price. Desire only tenant who wants farm of his own and will buy if suited and finds he can pay for farm from his crop. Corn is sure crop and season is dependable. Write for information and state what equipment and stock you have. E. A. Kiefer, Topeka, Kansas.

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

FOR SALE. 80 acres good farming land, 6 1/2 mi. southwest of Holton, Kan., Jackson Co. The west half of the southwest quarter of section 32, Twp. 7, Range 15. This is good corn land. For terms and price write W. A. Margrave Co., Preston, Neb.

WINTER GARDEN ARTESIAN VALLEY LAND

A GOOD INVESTMENT. A BARGAIN.

One to four sections, Dimmit Co., Tex. Best, all rich, deep, tillable soil; no poor or waste. Choice of 40,000 acres, covered now with green grass instead of snow and frozen ground. This land will grow in winter, vegetables, onions, strawberries, etc., that will pay double any wheat crop on \$200 land in Kans. Mesquite timber will almost pay for it. Two railroad stations close. I guarantee this as good as any \$50 or \$150 land in this county or Rio Grande Valley. I need the money; will sell at half value. Worth \$50, will take \$25 per acre, half cash. 5% discount for all cash. Owner, W. S. CHANEY, 307 WEST PARK AVE., SAN ANTONIO, TEX.

FINEST RANCH IN KANSAS. 2360 acres in solid body, 400 first bottom land. 120 in alfalfa; large new buildings. Price \$30. Terms. Only 2 miles out. Guss Schimpff, Burns, Kansas.

80 ACRES smooth land, 3 miles town; 65 cultivation; 14 clover; 10 alfalfa; 2 walnut timber; 3 orchard; 8-r. house; cellar; barn; other buildings; Price \$90. Terms. 160 acres smooth land, 2 miles High School town; 12 clover; 15 blue grass; 35 wheat; good house; barn; corn-crib; 2 wells; Price \$9,000.00. \$3,000.00 down.

170 acres, 1 mile town; 140 cultivation; extra fine buildings; well-watered; Price \$70. Terms.

320 acres, 1 mile town; 140 cultivation; 70 meadow; 110 blue grass; 25 alfalfa; 20 clover; 9-r. house; basement; barn; large silo; other buildings. Price \$20,500.00. Terms. Write, Mansfield Land Company, Ottawa, Kansas.

FOR SALE AT A BARGAIN. 400 acre stock and grain farm in Dickinson County, Kansas; 4 miles from Chapman and 4 miles from Enterprise. Both towns 1000 inhabitants. 160 acres farm land and 240 acres pasture, blue stem. 80 acres of this land is the best bottom land in the state of Kansas. 65 acres in growing wheat, leaving 95 acres now for corn and oats. This is one of the best farm and stock ranches in Kansas. 2 good cement silos, barn, and water supply, tanks, and two miles of hog tight fencing. This farm must be sold at once, and immediate possession given. Price \$50 per acre; worth \$75.00. Write or come and see it. Ed Arnold, Owner, Chapman, Kan.

173-Acre Snap Only 4 mi. Wichita; smooth black loam soil; good 9-room house, big barn, etc.; possession; \$5,000 cash, time on bal. R. M. Mills, Schweiter Bldg., Wichita, Kan.

DON'T BE A WORM You might get caught—be the early bird and come to Garden City. I want to show you good land in a practically undeveloped country where opportunities abound. If you can't buy, I'll trade—what have you? R. B. Wadsworth, Garden City, Kansas.

OPPORTUNITY KNOCKS: Not on this proposition, but at your door, for the purpose of directing your attention to this 1600 ACRES FOR \$15 AN ACRE. Every acre first class agricultural land, choice location, surrounded by well improved farms, and only 3 miles from Scott City, the town of all towns in Western Kansas. Creditors forcing sale. Write for further information. STARR & BRENNEMAN, Scott City, Kansas.

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

WILL EXCHANGE all my fine grain farms for clear income. Tate, Howard, Kansas.

IMPROVED farms and ranches. City property for ex. Fugate Land Co., Lawrence, Kan.

CHOICE Nemaha Co. land. Catholic settlement. Sale or ex. J. B. Wood, Seneca, Kan.

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

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

150 A. 1/2 mi. town; good list trades. Southeast Land Ex., E. B. Adams, Thayer, Kan.

FOR EXCHANGE for merchandise, 640 acres bottom farm, close in, clear, \$25.00 per acre. Leslie Land Co., Leslie, Ark.

A FINE 500 acre ranch, 60 miles from Topeka, to trade for smaller place. Theo. Voeste, Olpe, Kan.

200 A. IMP. 1/2 mi. R. R.; 80 a. good alfalfa land. Price \$50 a. Want mds. Mtg. \$3,400. W. C. Bryant, Elk City, Kansas.

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

640 ACRES for exchange; 420 in wheat, bal. grass; plenty water, fair improvements. Raised over 10,000 bushels 1914. Want income. A. A. Murray, Westmoreland, Kan.

CITY AND TOWN PROPERTY TAKEN as part pay on GOOD FARMS. What have you? Address The Allen County Investment Co., Iola, Kan.

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.

FOR EXCHANGE—Good City income properties to exchange for farms. We have large virgin timber tracts to exchange for good city income. For quick exchange and bargains see or write the National Realty Exchange, 227 Court St., Muskogee, Okla.

EASTERN KANSAS 136 a. imp. lays well, \$40.00. 80 a. improved, lays well, \$35.00. Exchanges made. T. K. Brockett, Pleasanton, Kan.

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

ALFALFA FARM FOR SALE 480 acres one mile to Meade, Kansas, 110 a. seeded to alfalfa, 15 a. wild hay, 70 a. plow land, balance good farm land and in pasture. 12 a. in grove, 7 room house plumbed hot and cold water, bath and toilet, barn 24x100, 100 foot cattle shed, cow barn, granary, tenant house and other buildings. Four artesian wells. 250 a. valley land. Crops the past year, 250 tons hay, 75 bu. alfalfa seed, 1000 bu. barley, 300 kafir, 100 fetafeta, besides other crops. Price \$55.00 per acre, some terms. This will stand the closest investigation. Write J. A. Denslow, Meade, Kansas.

The Ideal Fairview Alfalfa Farm 80 acres, 70 acres alfalfa; 10 bluegrass creek bottom land; no overflow. 1 1/2 tons per acre, five cuttings. Brick bungalow and frame house. Two barns, hay sheds, etc. City water and gas in houses. Hydrants to barns, fields, garden. Free water; gas from gas well; electricity for power. 3 producing oil wells. Fish pond, fine shade trees, fruit trees. Telephones; mail at door. 1 mile to Cherryvale, 7 miles to Independence, on interurban, car every hour. Deal with owner. Easy terms. \$150 per a. H. M. Casebeer, Independence, Kan.

88 A. FARM Living water, 13 a. of alfalfa, 55 a. of good bottom alfalfa land, never overflows, 6 miles from two good towns. Mortgage \$1700, can run long time. Must sell in 30 days. \$4800.00 Adrin Hull, Garnett, Kan., R. F. D. 6.

GOOD IMPROVEMENTS Living water, 13 a. of alfalfa, 55 a. of good bottom alfalfa land, never overflows, 6 miles from two good towns. Mortgage \$1700, can run long time. Must sell in 30 days. \$4800.00 Adrin Hull, Garnett, Kan., R. F. D. 6.

TO TRADE 160 a. bottom land, all tillable, imp. Youngs Realty Co., Howard, Kan.

IMPROVED 1/2 sec. close to good town in W. Kansas; 190 a. level in cult.; fine soil and water; \$8400, loan \$1000; also deeded land and choice relinquishments at Rocky Ford, Colo. Want clear income, small farm or mds. We are headquarters for high grade exchanges anywhere. Send full description first letter. Commission 2%. Christensen Realty Co., Hutchinson, Kan.

Buy or Trade with us—Exchange book free Beslie Agency, Eldorado, Kan.

WILL PAY DIFFERENCE OR ASSUME. Have 160 a. wheat land Gove Co., Kan., 8 mi. good R. R. town. Also some good interest bearing Mtgs. Want improved farm E. Kan. Iola Land Co., Iola, Kan.

FRUIT AND POULTRY FARM. Choice 80 acre Missouri fruit and poultry farm. Well located, well improved, a bargain. Will trade. Hunter Bros., Independence, Kan.

FOR EXCHANGE. Two of the very best lines of implements and machinery repairs—small stock on hand, good opening for hardware in connection. Will sell at a sacrifice, or trade for small Kansas farm or western Kansas unimproved. O. N. Bunds, Hanston, Kansas.

FOR EXCHANGE Improved half section not far from Wichita for hardware. H. C. Whalen, 413-14 Biting Bldg., Wichita, 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.

For Sale or Trade 160 acres irrigated land in the famous health giving Pecos Valley, New Mexico, in the heart of and under the Carlisbad government project, bordered by line of trees, half mile from station, land unexcelled; no buildings but otherwise finely improved. 110 acres in alfalfa. Sell all or half. Price \$19,500 long time. Might consider part trade. Address owner, S. Webster, Carlisbad, N. M.

SMOOTH FARM FOR SALE

160 acres smooth land near Colony, Anderson Co., Kansas, 80 acres hay, 80 under plow, good soil, small house and barn. Is offered at a snap, only \$5,000; no trade. Address J. F. Ressel, Owner, Colony, Kansas.

Chase County Farm

160 acres 3 miles from Saffordville and 12 miles from Emporia. 125 acres fine land under cultivation, balance meadow, pasture and some timber. 25 acres in alfalfa. 200 ton silo, 7 room house, stable, etc. Daily mail, telephone, \$11,000.00. Terms on half. No trade. J. E. Bocoock & Son, Cottonwood Falls, Kan.

GET RICH

320 acre Dairy Farm, 4 miles from town, Cloud County, Kansas. 125 acres growing wheat, 25 acres alfalfa, 50 head Dairy cattle, most registered, milk selling yearly contract \$2.25 per 100 lbs. 9 head of horses, mules, complete implements and tools, wagons and harnesses. New living house \$4500, cement silo, dairy barns, water system. Step right in, take it all for \$25,000, terms to suit. Address Dairy Farm, care Mail and Breeze, Topeka, Kan.

Sedgwick Co. Farm Bargains

120 a. farm, 7 room house, barn; smooth good land; fine location. \$65 per a. \$2500 handles. 240 a. farm, good house, large barn; valley land, 40 a. in alfalfa; 2 large silos; near Wichita. \$75 per a.; this will suit you. 1600 a. ranch; best of grass, well watered and fenced; improved; only 4 miles to R. R. town, 3500 people. \$28 per a. 40 a. alfalfa land; 3 miles of Wichita. This snap \$100 per acre. H. E. Osburn, 227 E. Douglas Av., Wichita, Kan.

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.

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

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

40 ACRES 4 miles Lebanon, 30 a. apple orchard; house, 6 rooms. Stable, etc. Price \$1600. Stillwell Land Co., Lebanon, Mo.

FRUIT and timber, clover and bluegrass land, \$10 to \$25. Write for lists. South Missouri Land Co., Mountain View, Mo.

IF YOU WANT farms or stock ranches in the Ozarks of Missouri, write A. J. Johnston, Meats, Nat'l Bank Bldg., Springfield, Mo.

WHITE RIVER CLUB sites on lake. Farms, ranches, city property; mineral, fruit, poultry land. White River Realty, Branson, Mo.

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

\$5 DOWN. \$5 monthly, buys 40 acres grain, fruit, poultry land; near town, some good oak timber. Price only \$200.00. Perfect title. Box 425 G, Carthage, Mo.

120 ACRE FARM, high, level, 75 a. clear; rest good timber; 100 fenced, 60 a. winter oats and wheat; orchard; 5 room house; good different buildings; finest location, 1/2 mile town, R.R. switch, joining farm. Owner too old to work. Take \$24 per acre; 1/2 cash. Rest to suit. F. Gram, Naylor, 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.

Valley Farm Estate must sell, 175 acres 1 mile good town, rich valley land except 40 acres blue grass pasture, 70 acres timothy and clover, balance for grain. Good improvements. Bargain price \$65 acre. Send for full description and pictures. Wann Realty Co., 205 N. Campbell St., Springfield, Mo.

NEW YORK McBURNEY'S N. Y. improved farms are worth twice the selling price of \$40 to \$75 per a. Send for free list. Address McBurney & Co., Bastable Block, Syracuse, N. Y., or Western Office, 703 Fisher Bldg., Chicago, Ill.

NEW MEXICO IRRIGATED FARMS and ranches for sale or trade. Most healthful and mild climate. Plenty of pure water. "No trouble to answer questions." Braley & Ball, Portales, New Mexico.

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.

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

EASTERN OKLAHOMA lands are now selling fast. If you are interested in this productive country and want to know more about it write The Craig-Mayer Realty Company, Big Cabin, Oklahoma.

320 A. prairie pasture; good sod; 2 miles city, this county 3000. Good water. 50 a. tillable. \$6.50 per a. Terms. Write us about 1200 acres, all prairie; 1/2 tillable. Southern Realty Co., McAlester, Okla.

REAL FARM BARGAINS—I own or hold under option, several of the best farms in this state, 50 to 640 acres each, and can sell these lands at a most reasonable figure, with a very small cash payment down. Balance easy terms. C. H. Brown, 806 State Bank Building, Oklahoma City, Okla.

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.

5—GOOD FARMS—5

FOR SALE BY OWNER.
75 acres 1/2 mile from County Seat, 15 a. in wheat; 15 a. alfalfa; 35 a. plowed for oats; 10 a. pasture; never failing water, all fenced and cross fenced with American Hog wire. Write for price and terms.

86 acres 1/2 mile from County Seat, 40 a. in wheat; 10 a. winter oats; 20 a. plowed for corn; 10 a. plowed for spring sown oats; 6 a. pasture running water; 400 rods American Hog wire fence. Write for price and terms.

117 acres 1/2 mile from County Seat, 15 a. in wheat; 5 a. in alfalfa; 10 a. orchard; 15 a. timber; 72 a. for corn and oats; good house, barn, granary, hog sheds and other small buildings, six hog tight lots and fields. Write for price and terms.

279 acres one mile from County Seat, well improved, all under cultivation but about 30 a. Alfalfa, wheat and winter oats now growing on the farm. Write for full description, price and terms.

80 acres 2 miles from R. R. siding, 6 miles from County Seat, all in Blue Stem grass, small house and barn, good well. Price \$46.00 per acre—\$600.00 down, balance five years at 6%.

I. S. Taber, Pryor, Oklahoma.

TEXAS

FARMS, ranches in Texas, Okla., Ark., Mo., Colorado direct from owners. To buy, sell or trade. Land Buyers Guide, McKinney, Tex.

YOU CAN OWN A FARM

With the rent you pay. Best land in famous corn and hog belt of Texas. Sold on rental terms. Crops the year round. T. Kingston, Harlingen, Texas.

A SNAP IN TERRY COUNTY.

One well improved section for sale at \$10 and lease on 10 sections more all in solid body. A rare opportunity to get in cattle business. Must sell at once.

J. F. Perry, Lubbock, Texas.

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.

FREE EXCURSION TO LAND BUYERS

Farmers and investors should investigate our "Houston District" Gulf Coast lands. 100 choice propositions. Some especially well located. Some especially low priced. All near the great market city of Houston, Texas. Write us for information and printed matter. We can make you money.

E. S. ALLISON LAND COMPANY, Houston, Texas, Beatty Building, Kansas City, Mo., 922 New York Life Bldg.

COLORADO

HOMESTEAD RELINQUISHMENTS, deeded lands. Northeastern Colorado, cheap. Box 539, Sterling, Colo.

CHOICE farm lands, Elbert County, near Limon, \$8. Direct from owner. MUST SELL. T. H. Hagen, Board of Trade, Duluth, Minn.

FOR SALE, desert and homestead entries, improved, under ditch; near R.R. \$10 per a. In Logan Co., Colo. Wm. Tew, Sterling, 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.

Good Quarter For Sale

Near LAMAR, COLO. Milk Condensary, nearly all in alfalfa, plenty water, big yielders—Will sell an eighty separate.

SWEET & COE, Owners, Hutchinson, Kas.

ARKANSAS

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

WRITE YOUR WANTS for Arkansas lands. W. B. Lane, Hope, Ark.

SPRINGDALE—Best part of Ozarks. Free list. Fredricks, Springdale, Ark.

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

30 ACRES IN OZARKS. 15 acre; 2 miles from station. Terms. 5 acres cleared. David R. Katz, Little Rock, Ark.

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

25,000 ACRES fine farm, stock land, cheap. Northern colony. Cash or long term. Free map. Tom Blodgett Land Co., Little Rock, 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.

245 ACRES; 75 acres fenced and 80 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.

Low Priced Ozark Land

FAMOUS N. W. ARKANSAS FRUIT BELT. 294 acres, house, barn, spring, 50 acres in cultivation, 6 acres bearing orchard, only \$7.50 per acre, half cash. 720 acres, unplowed, only 1 1/2 miles railroad town, will sell all or 40 acre tracts at \$10 per acre. Other tracts \$5 to \$15. Terms but no trades. These are rock bottom cash prices. Write for big list of real bargains. G. F. Mosher & Co., 19 E. 10th, K. C., Mo.

NORTH DAKOTA

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

You Can Buy Land From Us and Pay For It in Crops

Financing Farm Purchasers. Why our plan is better than renting or homesteading: 1st, if you rent you are paying for a farm which you do not own; 2nd, homesteads now open for entry are mostly in arid regions, culled over, and too far from market and settlement to be desirable. Better to buy land on the CROP PAYMENT PLAN, near town, in midst of settlement and thrifty agricultural district, where corn, small grain, tame grasses and live stock are produced in abundance, where crop failures are unknown. Ask for particulars, stating in first letter, what you have in stock, finances and equipment for farming.

GREAT NORTHERN LAND & STOCK CO., 310 Commerce Bldg., St. Paul, Minn.

FLORIDA

A Home For Your Family Assured

Visit the famous Peace River District in Florida. Get one of our fruit and truck farms now in the midst of improved groves and truck farms. Close to town. Good Churches and Schools. Excellent climate. We deed the land to the heirs, without additional payment, if purchaser dies before completing payment. Write for particulars. Two excursions monthly.

PEACE RIVER GROVES COMPANY, 5th Floor State Bank Bldg., Omaha, Neb.

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.

MINNESOTA

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

SETTLERS WANTED: 40 acres, \$575; level, near school and station. \$100 cash. Ebert-Walker Co., Duluth, 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.

CALIFORNIA

THE SAN FRANCISCO FAIR is bringing thousands of people to the Sacramento Valley. Do not miss seeing our magnificent fruit tracts on the famous Bidwell Ranch. Here is an opportunity to invest in prunes, peaches and almonds, grown on the finest soil, a garden loam. Our land is located within a mile of a city of 18,000 people. Write for literature. Bidwell Orchards, Inc., Chico, California.

Wheat Prices Go Higher

Livestock Market Continues to Decline—Hogs Bring Less Than \$7

BY C. W. METSKER

H basis. The decline has now spread to timothy, and the market is on a sagging basis. The decline has now spread to sheep. The market needs nursing by small supplies, but it is not likely that such a condition will prevail for some time.

Dressed meat men are buying cattle and hogs at the lowest prices that have been known for more than a year. A few prime steers are selling at \$8, and better, but the bulk of them are bringing \$7.50 to \$8.50. Hogs are selling for less than \$7.

The big killers are accumulating stocks of meat at a rapid rate and holding against a period of short supplies. While the eastern corn belt is selling, and not refilling feed lots, packers are gathering supplies that will sell when the East is short. The first evidence that Iowa, Illinois and Indiana are through marketing will bring a rapid rise in prices of both cattle and dressed beef.

Iowa Turns Stockers West.

With Chicago and other eastern markets closed to handling stockers and feeders, clean counties in Iowa are sending stockers and feeders to river markets. The normal outlet of that class is Chicago. Iowa marketed more than 200 carloads of stockers in Kansas City in the last two weeks. Instead of selling, that state under normal conditions would be buying now. Fat cattle are moving through regular channels to Chicago, but the fact is the state is cashing both thin and fat cattle. A shortage seems inevitable.

Check Hay and Meal Feds.

The recent declines in prices of fat steers have checked the movement of fat cattle from the West. Texas and Oklahoma have a liberal supply on cottonseed meal, and the West and Northwest have hay fed cattle. They are in a position to hold back and are doing so. Kansas is in a rather neutral position, but has purchased more thin cattle in the last week than it has sold fat cattle.

Some Wheat Field Cattle.

A few butcher cattle have come from wheat fields. The open weather this month following a rough December, has not made such cattle compare favorably with pastured stock a year ago, and prices are materially lower. Most cattle held on wheat fields have made only small weight gains, and added sap to the hard fat derived from fall grass. On the whole winter pasturing has been unfavorable from the market standpoint.

Low Prices for Butcher Cattle.

Packers are paying only a slight margin for butcher cattle, over prices offered by countrymen, and in some cases do not offer bids on kinds countrymen can use. While prices for fat cows and heifers have declined and are the lowest for a long while past, breeding and stock female cattle are high, and serve as a resistance to further decline in fat grades. Bulls and calves remain high.

Hog Prices Under Seven Cents.

Last week for the first time since March, 1912, hog prices were under \$7 at all the western markets. Heavy receipts in the preceding week and lack of shipping demand caused the decline. Average prices for the past seven market days were \$6.75 to \$6.90, and the market appears fairly steady at those prices. Packers have been able to get large supplies at northern markets. The Dakotas have contributed the bulk of the hogs, in the North. St. Paul received 32,000 hogs in one day and 69,000 last week. A few years ago that

market did not have enough hogs for local slaughter. Large supplies are pressing the market from all angles and prices will do well if they remain above \$6.00 during the rest of January.

Inactive Buying of Sheep.

The sheep market though threatened with abnormally small supplies for some time was caught last week with lack of demand, and prices were forced down 40 to 50 cents. Lamb prices fell below \$8.25, and sheep, except yearlings, under \$8.25 and \$5.50. Runs were not large but the open weather caused a falling off in the better classes and an increase in short fed kinds. Prices for feeding grades are high enough and demand urgent enough to resist a further decline for fat sheep and lambs.

Kansas Aggie Lambs.

A bunch of 285 lambs sold in Kansas City January 12, at \$8.50. They were from the Kansas State Agricultural college, and had been fed since early October. On the day of purchase, October 9, the lambs averaged 56 pounds, and cost \$6.70, and when sold they weighed 78 pounds. One bunch fed on corn, cottonseed cake and alfalfa made better gains than the others.

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	25,250	52,400	40,000
Chicago	61,300	215,000	99,500
Omaha	19,900	50,500	63,500
St. Louis	17,250	42,100	8,300
St. Joseph	9,000	30,900	16,100

Total 142,700 390,900 227,900
Preceding week . . . 147,100 548,500 224,500
Year ago 130,200 381,900 248,100

The following table shows the receipts of cattle, hogs and sheep in Kansas City thus far this year and same period in 1914:

	1915	1914	Inc.	Dec.
Cattle	70,511	69,560	951
Cattle	2,700	4,516	1,808
Hogs	134,645	108,892	25,753
Sheep	74,578	91,694	17,118
H. & M.	8,217	5,716	2,501
Cars	4,924	4,471	453

New High Position for Wheat.

After a sharp drop in prices early last week the wheat market turned stronger and moved into a new high position for the year before the week end. Cash prices were the highest since 1909 when the old wheat was nearly exhausted before the new crop was available. Now, according to many, it is contended that the 1914 crop will be absorbed before the new wheat is available. Export demand remains large, and farmers are making only moderate shipments. The spring wheat crop is moving more freely, but passing into strong hands where it will be held against the outcome of the May price of futures. According to Broomhall's statement foreign countries have not produced enough wheat to divert demand from the United States. Corn prices rose moderately owing to increased milling demand and the rapid rise in wheat. Some export sales were reported also. July futures went above 79. Oats prices are up 2 to 3 cents.

Enormous Receipts of Hay.

More than 800 carloads of hay, 90 per cent of which were prairie and alfalfa, arrived in Kansas City last week. Prices were maintained by large buying from all sources. Some alfalfa is coming from the high altitude irrigated sections of the Northwest.

Quotations on Hay.

The following quotations are for hay on the Kansas City market:

Prairie, choice	\$12.50@13.00
Prairie, No. 1	10.50@12.00
Prairie, No. 2	7.00@10.00
Timothy, choice	16.25@17.00
Timothy, No. 1	15.50@16.00
Timothy, No. 2	13.00@15.00
Clover mixed, choice	15.00@15.50
Clover mixed, No. 1	14.00@14.50
Clover mixed, No. 2	13.00@13.50
Clover, choice	14.00@14.50
Clover, No. 1	13.00@13.50
Clover, No. 2	10.50@12.50
Alfalfa, choice	15.00@16.50
Alfalfa, No. 1	13.00@14.50
Standard	11.50@12.50
Alfalfa, No. 2	10.00@11.00
Alfalfa, No. 3	8.00@9.50
Straw	5.50@6.00

Feed and Seed Quotations.

Kafir \$1.21@1.26; mlo maize \$1.24@1.25; barley 70c; bran \$1.11@1.12; shorts, \$1.25@1.40; corn chop \$1.37@1.40; rye \$1.16@1.17.
Seeds—Alfalfa \$10@12.50; clover \$13@14; timothy \$4.50@5.50; flax seed \$1.70@1.74; millet \$1.30@1.90.

Butter, Eggs and Poultry.

Kansas City, Jan. 13.—Quotations on change were as follows:
Eggs—Extras, new white wood cases included, 33c a dozen; firsts, 31c; seconds, 20c.

Butter—Creamery, extra, 29c a pound; firsts, 27c; seconds, 25c; packing stock, 19 1/2c.

Live Poultry—Springs, 2 to 3 pounds, 12 1/2c; hens, No. 1, 13c; No. 2, 10c; young roosters, 10 1/2c; old, 8 1/2c; turkeys, hens, 16c; young toms, 15c; old toms, 14c; ducks, 12 1/2c; geese, 10c.

Never allow a loud-voiced, coarse, brutal man in the stable with the colts.

WISCONSIN

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.

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 on Wisconsin Central land grant; state acres wanted. If interested in fruit lands, ask for booklet on apple orchards in Wisconsin. Address, Land Department, See Line Railway, Minneapolis, Minnesota.

WYOMING

FOR SALE OR RENT—MY 240 acres fine irrigated land, 3 miles from Wheatland, Wyo. Plenty water, fine climate, no crop failures, 80 cultivated, 30 alfalfa, 160 grass, comfortable buildings. Sod breaks easily. No brush. Will pay \$3 per acre for breaking 100 acres or all provided wheat is sown in spring. Applicant must be equipped for farming. Option to buy. Alfalfa, wheat, sugar beets, other crops thrive. Write for terms and booklet. Reference required. W. A. Smith, Crawford Bldg., Topeka, Kan.

NEBRASKA

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

Light Hogs Going to Market

Storm and Cold Wave Stop Plowing in Kansas Counties

By Our County Correspondents.

QUITE a lot of short-fed cattle and hogs are going to market because of the advance in grain prices. Manure hauling, fence building and other winter jobs are being pushed in order to get them out of the way of spring work, which will begin to claim attention before such a great many weeks. Many farmers took advantage of the mild weather of the last few weeks to do winter plowing. This work was stopped, of course, by the rain and snow of a few days ago. This snow was almost as heavy in some sections as the one in December, but it will not prove so valuable because there was more tendency for it to drift.

KANSAS.

Clark County—Wheat needs moisture. Weather fine for stock and they are doing well. Cane and kafir threshing nearly done. Wheat \$1.18; kafir 57c; cane 75c cwt.—H. C. Jacobs, Jan. 12.

Books County—Moisture fell in some parts of the county on January 10 but the other parts are dry. Weather is warm. Times are dull and work is scarce. Eggs 25c; cream 30c; hogs \$6 cwt.; wheat \$1.25; corn 80c.—C. O. Thomas, Jan. 14.

Gray County—Two light snows so far which have made some moisture for the wheat. It is snowing again this morning. Stock doing well and feed is plentiful. Wheat \$1.25; corn 65c; barley 50c; cream 28c; hogs 6c.—A. E. Alexander, Jan. 16.

Montgomery County—Farmers plowing the last 10 days until last night when we had an inch of rain which soaked the ground and made it too wet to plow. Wheat in good condition. Hogs 6c; hens 10c; eggs 30c; corn 65c.—J. W. Eikenberry, Jan. 16.

Franklin County—The last week has been quite warm and the wheat has grown considerably and is in fine condition. Heavy rain last night. Most of the stock in good condition. Several horses have died in the northwestern part of the county from eating moldy corn.—H. O. Cain, Jan. 16.

Wilson County—Some plowing last week. Ground is frozen now. Stock doing well. There is more roughness than there is cattle to eat it. Hogs fed at a loss on account of grain being so high. Not over a few inches of snow this winter. Corn 60c; kafir 60c; hay \$8 to \$9 on track.—S. Canty, Jan. 18.

Doniphan County—Snow is all gone. Ground still dry. Weather is fine for the stock. Wheat in good condition except where the fly bothers. Not much wheat left in the county. Some light hogs going to market on account of the high price of corn. Plenty of rough feed for cattle.—C. Culp, Jr., Jan. 14.

Sumner County—Wheat is looking much better than it did a month ago. The weather is quite damp. A good winter for early 10. This has been a fine winter for feed cattle. A large number of horses being shipped out for the war. Wheat \$1.30; corn 80c; oats 55c; kafir 75c; butter 13c; eggs 27c; potatoes 70c; cattle fat 31c; hogs \$6.50.—E. L. Stockings, Jan. 16.

Bourbon County—Mild weather has prevailed over southeast Kansas for 15 days. Farmers beginning to plow again. Wheat and rye in good condition. Nearly all the farmers are well supplied with feed. Stock generally doing well but quite a lot of short-fed stuff is going to market owing to the advance in grain prices. Not much hog cholera. Big rain January 14.—Jay Judah, Jan. 15.

Sedgewick County—Three inch snow December 19 followed by rain and a good rain on January 10 and a snow January 15. Hogs being killed and most of the farmers are putting more meat up than usual. Manure hauling, fence repairing and other winter farm work is being done. This county expects to have a county agent this year. Wheat \$1.30; corn 75 to 78c; oats 45c to 50c; eggs 32c; hens 11c; alfalfa \$10.50 to \$12.50.—J. R. Kelso, Jan. 16.

Harper County—A two-inch snow is on the ground and it is still snowing. Stock in good condition with plenty of feed. Wheat looks good. Fine rain on January 2. Not much land changing hands now. Cattle in good demand and selling high. Horses and mules moving slowly. This county has about 95 per cent as much wheat this fall as last and the outlook is about 90 per cent as good. Wheat \$1.30; corn 78c; oats 58c; eggs 30c; potatoes 75c.—H. E. Henderson, Jan. 16.

OKLAHOMA.

Cotton County—Winter wheat is looking better since the recent rains and warm weather. Some farmers getting ready to sow oats. Stock in good condition. Some land changing hands. Very few farm sales. Corn 80c; eggs 25c.—Lake Rainbow, Jan. 14.

Major County—Weather fine. Wheat is small and looks rather bad. Stock in fair condition. Rough feed going to be scarce. Grain is high and mostly shipped in. Wheat is about all out of the farmers' hands. The subsoil is dry.—W. H. Rucker, Jan. 15.

Ellis County—Fine weather. Some plowing and disking being done for spring crops. We had a nice rain but no snow to speak of yet. Wheat not looking very good as it has been too dry. Have had some hard freezes. Hogs 6c; eggs 27c; wheat \$1.15; kafir 60c; hens 10c.—W. E. Sells, Jan. 13.

Lincoln County—Nice winter weather. Farmers beginning to plow. More oats will be sown than usual. Potato acreage will also be increased. Numerous farm sales and property brings fair prices, especially milk cows. A carload of poultry shipped from here January 11 at 10 cents a pound. Corn 80c.—J. B. Pomeroy, Jan. 16.

Roger Mills County—Nice weather for this time of year. Ground in good condition for plowing since the recent rains and snows.

Some farming operations already started. Not much wheat pasture this season on account of the dry fall. Public sales not so numerous as they were. Some cotton still unpicker. Wheat \$1.15; corn 68c; maize 60c; hogs \$8.30.—Hugh Sober, Jan. 10.

Texas County—We need rain for the late sown wheat, some of which is sprouted and some is not. Much threshing to be done yet. Milo and feterita yields were 10 to 35 bushels to the acre. Broomcorn market dull. Farmers have an abundance of feed stock doing well and the hens are doing their part and laying a great many eggs. Wheat was up to \$1.30 a bushel but is lower now. Eggs 25c; milo, kafir and feterita \$1.07; corn 60c; wheat \$1.27.—Frank Free, Jan. 16.

Sweet Clover in Kansas

BY H. M. BAINER.

There are three common varieties of sweet clover—white blooming biennial, large yellow blooming biennial, and the small yellow blooming annual. Of these, the white blooming variety is generally to be preferred; but in some instances the large yellow blooming strain has been used for hay with satisfactory results.

Sweet clover will grow on any land that produces alfalfa or clover, but it is not confined to such territory, showing abundant yields in localities and under conditions where the less hardy crops will not thrive. Acid and alkali soils alike show vigorous and profitable crops of sweet clover. Sand and raw clay are demonstrating the possibilities of the crop through ample tonnage of hay and good pastures. Humid, irrigated and semi-arid conditions show no widely varied effects upon this drouth-resistant crop. Sweet clover is a "rustler," drawing food from the air in the form of free nitrogen, and showing healthy plants and perfect seed production even in gravel pits, stone quarries, at road sides, along railroad cuts and other out-of-the-way places. These hardy qualities of sweet clover give it a strong appeal to all who are interested in a crop that will produce freely under unfavorable conditions.

Sweet clover is a legume, ranking with alfalfa and clover. It imparts nitrogen, a costly fertilizer, to the soil. The large roots of sweet clover penetrate the soil and break it up beneath the point disturbed by the plow, adding humus where they decay. Additional humus is supplied when stubble and stems of the crop are plowed under. This crop adapts itself to poor, run down, eroded and "washed" fields, restoring, under proper

handling and management, some of the vanished elements of production. As a green manuring crop, sweet clover is about equal to alfalfa and cowpeas. Sweet clover has proved valuable as a pioneer or advance crop for alfalfa, and instances are numerous where the latter could not be started or produced successfully until one or more crops of the former had been grown on the land.

Sweet clover must have a solid seed-bed, with barely enough loose dirt to cover the seed. One of the surest ways to secure a poor stand of this crop is to sow it on soft or loosely plowed land. For spring sowing, best results are shown from seeding on land that produced row crops during the previous year, and without any preparation. The sweet clover seed may be covered with an ordinary peg-tooth harrow, once over usually being sufficient. No one should hope to get a good stand of sweet clover on freshly plowed land, unless it is thoroughly firmed mechanically in advance of seeding.

From 15 to 25 pounds of hulled seed, and 20 to 30 pounds of unhulled seed, an acre will be found sufficient.

A New Cabbage From China

A cabbage with a flavor that makes it suitable for use in slaws was introduced from China several years ago by the United States Department of Agriculture, and the Department now announces that it has been successfully grown in this country and that samples of its seed will be distributed on request until the present supply is exhausted.

When well grown the average plant, after being trimmed for the market, will weigh six to eight pounds, being from one to two feet long, mostly crisp white stem, and but little leaf.

The people in China plant this cabbage thinly. It is planted in rows and then the weak plants are pulled up, or else it is scattered over a space and then transplanted when of sufficient size. This latter method is said to yield the best plants, although for a while the young plants appear to suffer; yet when the autumn weather comes and they are well manured, transplanted plants will make a better growth.

The plants must be manured heavily when about eight to ten inches high—not sooner, or they will "burn", and not later or they will not mature before cold weather. The leaves should be tied up when they are pretty well grown, so that the long, loose leaves will not fall away from the center and become frost-bitten, if extra-fine, close heads are desired. The cabbages need a good deal of room. Therefore, the plants should be placed not less than two feet apart

in rows that have at least three feet space between.

Further information on how to cultivate this cabbage, as well as seeds, may be obtained by writing the Office of Foreign Seed and Plant Introduction, United States Department of Agriculture, Washington, D. C.

Sugar Beets and Soils

Any good soil, if properly worked, will produce satisfactory sugar beets, provided the climatic conditions are favorable. Besides being well drained, the soil should be able to hold a sufficient amount of moisture. Even the so-called muck soils will produce good beets if they are well drained and properly worked. These facts are emphasized in a new bulletin issued by the United States Department of Agriculture, entitled "Sugar-Beet Growing Under Humid Conditions."

The new bulletin, which may be had free on application to the department, recommends the following measures to beet growers:

Select the field for sugar beets with reference to the quality of the surface and subsoils, the condition of drainage and their fitness to follow the preceding crop.

Plow thoroughly and deeply in the fall if possible.

Make the seedbed firm below as well as near the surface.

Plant in the spring as soon as the soil and weather conditions are right.

Use plenty of seed to insure a good stand, and do not plant too deep.

Hold the moisture in contact with the seed by the use of the press wheels and the roller.

Cultivate as soon as the rows can be seen, but do not throw the dirt over the beets.

Block and thin the beets just as soon as they are large enough to handle.

Space with reference to the strength and moisture-holding capacity of the soil.

Rotate with other crops to improve the soil condition and to eliminate pests.

Keep plenty of livestock to utilize the beet tops and other feed and to supply stable manure.

In harvesting the beets see that they are all gathered, properly topped, and as free as possible from dirt.

Cover the beets as soon as topped to prevent evaporation.

Utilize beet tops, pulp and lime with a view to improving soil conditions.

For the retention of sufficient moisture for crop production the supply of humus plays an important part. A soil that is well drained and at the same time properly supplied with humus will not only hold enough moisture for the needs of the plants, but it will permit the air to circulate through it and enable the soil organisms to thrive and multiply, thereby liberating an abundance of plant food.

The nature of the subsoil has an important bearing upon the selection of soil for sugar beet growing. Hardpan subsoils should be avoided, especially if they are so near the surface that they will interfere with the proper growth and development of the roots. Likewise, the porous or gravelly subsoils will not give the best results with sugar beets. In general, if a soil has been producing good crops of corn and potatoes it will produce good beets, provided it receives the proper preparation and cultivation. In selecting a field for sugar beets it is advisable, therefore, to note the kind of soil and its condition, especially with reference to drainage and humus, the kind and quality of the preceding crops, and the nature and location of the subsoil.

The field selected should be reasonably free from weeds, since extreme foulness of ground adds materially to the cost of growing beets. The beet field must be kept free from weeds if one expects to obtain anything like satisfactory results. It is sometimes claimed that a beet crop is of great advantage in freeing a field of weeds. This is true if the ground is properly handled, but one should see to it that not too large a percentage of the profits of the crop is consumed in fighting the weeds, a condition which may be avoided by careful attention to the preceding crops with respect to weed growth.

The discouraged man always has the hardest row to hoe.

Why Kansas Is Great



Henry Simpson and family live near Sparks, Kan. This is the family. There are ten children and, apparently, some grandchildren, in this group.

WHAT BREEDERS ARE DOING

FRANK HOWARD,
Manager Livestock Department.

FIELDMEN.

A. B. Hunter, S. W. Kansas and West Okla., 614 So. Water St., Wichita, Kan.
John W. Johnson, N. Kansas and Nebraska, 820 Lincoln St., Topeka, Kan.
Ed R. Dorsey, North Missouri, Iowa and Illinois, Cameron, Mo.
Jesse E. Johnson, Nebraska, 1937 South 16th St., Lincoln, Neb.
C. H. May, S. E. Kan., So. Mo. and N. Okla., 4244 Windsor Ave., Kansas City, Mo.

PURCHASED 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.

Feb. 1—Beall & Jackson, Roca, Neb.
Feb. 4—Albert Smith & Sons, Superior, Neb.
Feb. 5—G. A. Wiebe, Beatrice, Neb.
Feb. 6—B. E. Ridgley, Pickrell, Neb., and C. P. Jones, Cortland, Neb.; sale at Pickrell.
Feb. 9—F. S. Kirk, Mgr., Enid, Okla.
Feb. 9—Jas. W. Anderson, Leonardville, Kan.
Feb. 9—Phil Dawson, at St. Joe, Mo.
Feb. 10—Ed Fraser, Drexel, Mo.
Feb. 10—Agricultural College, Manhattan, Kan.
Feb. 10—Ira C. Kyle & Son, Mankato, Kan.
Feb. 11—John Kimmacher, Mankato, Kan.
Feb. 11—Howard E. Ames, Maple Hill, Kan.
Feb. 12—W. E. Willey, Steele City, Neb.
Feb. 12—J. F. Foley, Oronoque, Kan.
Feb. 13—Thos. F. Walker & Son, Alexandria, Neb.; at Fairbury, Neb.
Feb. 15—Joshua Morgan, Hardy, Neb.
Feb. 16—L. E. Klein, Zeandale, Kan., at Manhattan, Kan.
Feb. 17—J. H. Harter, Westmoreland, Kan.
Feb. 18—J. L. Griffiths, Riley, Kan.
Feb. 19—W. A. Baker, Butler, Mo.
Feb. 19—A. J. Swingle, Leonardville, Kan.
Feb. 20—Jas. Arkell, Junction City, Kan.
Feb. 20—John Belcher, Raymond, Mo.
Feb. 23—J. D. Mahan, Whiting, 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.
Mar. 4—Olivier & Sons, Danville, Kan.

Spotted Poland Chinas.

Feb. 24—Alfred Carlson, Cleburne, Kan.

Duroc-Jersey Hogs.

Jan. 25—Geo. Briggs & Son, Clay Center, Neb.
Jan. 26—Ira Dodson & Son, Aledo, Ill.
Jan. 28—Dana D. Shuck, Burr Oak, Kan.
Feb. 4—Dr. C. E. Still, Kirksville, Mo.
Feb. 5—H. E. Browning, Hersham, Ill.
Feb. 6—Philip Albrecht & Sons, Smith Center, Kan.
Feb. 9—F. S. Kirk, Mgr., Enid, Okla.
Feb. 9—Agricultural Col., Manhattan, Kan.
Feb. 10—Adolph Gustafson & Son, Leonardville, Kan.
Feb. 12—Howell Bros., Herkimer, Kan.
Feb. 16—J. M. Layton, Irving, Kan.
Feb. 17—E. A. Horton, St. Joe, Mo.
Feb. 18—J. E. Jackson, Kanopolis, Kan.
Feb. 25—Martin Kelly, Verdon, Neb.
Feb. 27—E. 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.

Feb. 2—A. B. Garrison, Summerfield, Kan.
Feb. 10—F. S. Kirk, Mgr., Enid, Okla.
Feb. 23—J. D. Nutter, Morrowville, Kan., sale pavilion, Washington, Kan.
March 11—Nebraska Shorthorn breeders' sale, Grand Island, Neb. J. C. Price, Lincoln, Neb.
Mar. 16—J. R. Whistler, Watonga, Okla.
March 17—F. A. Egger, Roca, Neb.
March 18—Rudolph Firme, Hastings, Neb., and A. A. Stone, Hanson, Neb.; sale at Hastings.

Angus Cattle.

Feb. 10—F. S. Kirk, Mgr., Enid, Okla.
Feb. 16—F. W. Schaefer, Yates Center, Kan.

Hereford Cattle.

Feb. 10—F. S. Kirk, Mgr., Enid, Okla.
Feb. 18—Nebraska Hereford Breeders' sale, Grand Island; Robt. Mousel, Cambridge, Neb., Mgr.

Jersey Cattle.

Feb. 10—F. S. Kirk, Mgr., Enid, Okla.
Mar. 17—Dr. J. H. Lomax, Leona, Kan.; B. C. Settles, Sales Mgr., Palmyra, Mo.
Mar. 31—E. Wiley Caldwell, Fulton, Mo.; B. C. Settles, Sales Mgr., Palmyra, Mo.

Percherons.

Jan. 28—Spohr & Spohr, Latham, Kan. Sale at Wichita, Kan.
Feb. 11—F. S. Kirk, Mgr., Enid, Okla.
Feb. 22—F. A. Cole, Barnard, Kan.; sale at fair grounds, Beloit, Kan.
Mar. 2—Lee Bros., Harveyville, Kan., at Sale Pavilion, Manhattan, Kan.
March 17—F. A. Egger, Roca, Neb.

Clydesdale Horses.

Feb. 10—A. Montgomery, Smith Center, Kan.

Jacks and Jennets.

Feb. 3—A. E. Limerick, Columbia, Mo.
Feb. 5—I. N. Green, Kiowa, Kan.
Mar. 6—G. C. Roan, LaPlata, Mo.

Combination Livestock Sales.

Feb. 8 to 13—F. S. Kirk, Mgr., Enid, Okla.
Feb. 25—Miami Co., Breeders, Draft horses, beef cattle and hogs. O. C. Hagans, Mgr., Paola, Kan.
Feb. 26—Smith County Breeders' association sale, Smith Center, Kan.

Percherons and Other Draft Horses.
Jan. 26, 27, 28, 29, 1915—Bloomington, Ill.
C. W. Hurt, Mgr., Arrowsmith, Ill.

S. W. Kansas and W. Oklahoma

BY A. B. HUNTER.

A. F. Sieglinger, Peabody, Kan., is making a real business on some richly bred handsome Duroc gilts. They are immune and if you will read his advertising which appears in this issue you will note they carry the blood of several of the most noted Duroc champions. Here is a chance to get bred gilts that will please you, richly bred and well worth the prices asked.

Percherons Sell at Enid.

The Percheron sale at Enid, Thursday, February 11, will be the greatest by far that ever took place in the state of Oklahoma. Very few, if any, Percheron sales have been held in the Central West where as many good individuals or richly bred Percherons have been offered. I have seen this offering and I wish to say to every reader of Farmers Mail and Breeze, who is at all interested in good Percherons, that this is an offering worth going miles to see, and the man who is on the lookout for the best in Percherons need not hesitate to get on the train and come to this sale. He will not be disappointed. Write today for a catalog of these Percherons, mentioning Farmers Mail and Breeze.

Last Call Spohr's Sale.

Spohr & Spohr, Latham, Kan., whose dispersion sale will be held at Wichita Stock Yards barn, Thursday, January 28, will offer a great assortment of Percheron stallions and mares, ranging from weanlings to those of mature age, both imported and home bred, consisting of one aged stallion, imported; 10 extra good 3-year-old stallions; three coming 2, and two weanling stallions; also nine mature mares, five coming 3-year-old mares, two 2-year-old and one weanling filly. All of these mares of breeding age are bred to imported stallion and practically all are showing safe in foal. The European war is going to take every horse out of America that the farmer will spare. France has already placed an embargo on horses. No Percherons can be shipped from France to America for five years. Never before was there such a chance to make money by breeding and growing horses and especially registered Percherons. Send for Spohr & Spohr's catalog, Latham, Kan., and be at this sale at Wichita, Kan., January 28. Please mention Farmers Mail and Breeze.

Green's Big Stock Sale.

I. N. Green, Kiowa, Kan., will sell, Friday, February 5, at public auction 102 head of livestock, consisting of 22 head of jacks all ages, 12 head of jennets, eight head of good milk cows, three non-registered Jersey bulls, ready for service, six pure-bred but non-registered Duroc sows, bred to a good boar, which also sells. These jacks include all ages, big black fellows ranging from weanlings to those of mature age. Ten head are of breeding age and are as attractive lot of jacks as you will have a chance to buy this winter. One exceptional jack, a 5-year-old and 16 hands, would be a feature in any great jack sale. The jennets are large and heavy-boned and safe in foal to Mr. Green's good herd jack or with colts at side. Among the horses is one extra good 3-year-old registered Percheron stallion, weighing over 1800 pounds, two registered standard bred stallions and one high grade Percheron stallion. Mr. Green will also sell 30 head of work horses and mares and 20 head of mules. Write Mr. Green today for particulars regarding the breed that interests you. Please mention Farmers Mail and Breeze.

Tattarrax Duroc-Jersey Gilts.

A special price is quoted by Buskirk & Newton, owners of Tattarrax herd of Duroc-Jersey at Newton, Kan., on a choice lot of 75 bred gilts. These gilts are as richly bred as it is possible to get. They are growing and give every promise of maturing into exceptional brood sows. They also offer 10 outstanding boars. All these hogs are immunized and are in perfect health. The Tattarrax herd is not only one of the best herds in existence but the stock shipped out by this firm gives universal satisfaction. Following is a letter picked at random from a day's correspondence: "Buskirk & Newton, Newton, Kan. Gentlemen—Impossible to attend your sale but would like one of your gilts bred. Would want one that was not related to male I purchased of you and would want her bred so her pigs would not be related. What can you let me have gilt bred for? My male is sure a good one and is getting nice large litters, from 9 to 12 and good pigs. Yours truly, T. B. Stewart, Muskogee, Okla." You will like these Durocs, you will like the price and you will like the treatment accorded by this firm. Write them for prices and particulars.

N. Kansas and S. Nebraska

BY JOHN W. JOHNSON.

Howell Brothers, Herkimer, Kan., have some good Duroc-Jersey boars for sale. They are of the best of breeding and are big and

LIVESTOCK AUCTIONEERS.

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 Apr. 5th 1915. Are you coming?

MISSOURI AUCTION SCHOOL

Largest in the World. W. B. Carpenter, Pres
816 Walnut St., Kansas City, Mo.

LIVESTOCK AUCTIONEERS.

ANIMAL PHOTOGRAPHY and sketching: all kinds of farm animals. Write for prices. Harry Spurling, Taylorville, Ill.

John D. Snyder AUCTIONEER, successfully sells pure bred live stock, real estate and general sales. HUTCHINSON, KAN.

FLOYD CONDRAY, Stockdale, Kansas
Livestock auctioneer. Write for open dates.

BOYD NEWCOM Wichita, Kansas.
Real Estate a Specialty. Write, wire or phone for dates

N. W. COX Wellington, Mo.
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
SELOIT, KANSAS. Ask the breeders in North Central Kansas. FOR DATES ADDRESS AS ABOVE.

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

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

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

W. A. Fisher, White City, Kan.
Livestock Auctioneer. Write or Phone for dates.

BERKSHIRES.

Hazlewood's Berkshires
Spring boars, bred gilts—immune: priced to sell.
W. O. HAZLEWOOD, WICHITA, KANS.

Large English Berkshires
2 outstanding fall boars now ready for service, price \$40.00 and \$45.00 each. 30 head of spring boars at \$25.00 to \$40.00 each. 50 head of sows and gilts bred for spring litters, price \$35.00 to \$75.00 each. Address H. E. Conroy, Nortonville, Kan.

BERKSHIRES

Help me put Berkshires on every farm; some nice boars ready for service, prize winners; also some nice bred gilts.
FRED HALL, LONE WOLF, OKLAHOMA

OUTSTANDING BERKSHIRES Priced to SELL

Six spring boars ready to ship; two at \$25 each; two at \$35 each and two at \$50 each. Also one of our herd boars, Ideal Centerpiece 17845 at \$50. 35 sows and gilts and 30 pigs ready to ship. Buy early and save money.
J. T. BAYER, YATES CENTER, KANSAS

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

BERKSHIRES

Special offering of sows and gilts bred to Starlight Premier 6th and Rivalier 180548. There will be quality and prices to suit all purses. Weanling fall pigs priced to sell. Write today.

KIESLER FARMS

A. J. McCauley, Perryville, Mo.

BERKSHIRES.

Walnut Breeding Farm

BERKSHIRE boars and gilts, spring farrow, grandsons of Barron Duke 80th, Big Crusader and Masterpiece 77000 and out of Lord Premier sows, also an imported brood outstanding 2-year-old boar and a few good Hereford bull calves. Leon Waite, Winfield, Kas.

MULE FOOT HOGS.

Mule Foot Hogs All kinds for sale. Gilts sired by and bred to my first premium winning boars at Ohio and Indiana State fairs of 1912 and 1914. Some fine fall pigs in pairs.
Zoe G. Hadley, Box C, Wilmington, Del.

DUROC-JERSEYS.

RICE COUNTY HERD DUROCS

Spring and summer boars, 30 fine gilts and some brood sows and April farrow. Good Duroc, Colored, German Wonder, Ohio Chief blood lines. Prices right, hard to manage. Write today for prices and descriptions.
G. M. SHEPHERD, LYONS, KANSAS

WOODDELL'S DUROCS

Herd headed by Rex E. Nuff by Good E. Nuff Again King and brother to Otto's Dream. Spring boars and gilts priced reasonable. Satisfaction guaranteed.
G. M. WOODDELL, WINFIELD, KANSAS

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

Illinois Duroc-Jersey Pigs

By Chief Selection 124635, Pal. 44543, Ped. King 25481. Out of sows just as well bred. Have a great lot of strong husky March males priced right.
W. L. STONE, HENRY, ILLINOIS

BONNIE VIEW STOCK FARM

For Sale: Tried sows and bred gilts by Tat-A-Walla and Jayhawk Crimson Wonder. Sows bred to Tat-A-Walla and, gilts bred to A. Crittle.
SEARLE & COTTLE, BERRYTON, KANSAS

Durocs of Size and Quality

Immured boars and bred gilts, all from large prolific stock. Good E. Nuff Again King, Defender, Perfect Col., Good E. Nuff Again King, and Ohio Chief blood lines. Description. **John A. Reed, Lyons, Kansas**

Immured Boars and Sows

Twenty Immured Duroc-Jersey boars ready for service, \$25 to \$35 and up. 100 Immured sows bred to Buddy K 93, Wide Awake, Cremo and others, \$30 to \$50 and up. Ready for immediate shipment. Geo. W. Schwab, Clay Center, Neb.

Bred Gilts

20 high class, pure bred Duroc-Jersey gilts weighing about 200 pounds, bred to registered boars for February and March farrow. They have the blue, color and bone but are not recorded. Price \$27.50 each. **WELLS BROTHERS, CARE OF SUTTON FARM, LAWRENCE, KANSAS**

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 18 states, satisfied. Describe what you want. We have it.
D. O. BANCROFT, OSBORNE, KANSAS

IMMUNE

Duroc-Jerseys

8 head of spring boars, 2 show boars. 30 spring gilts bred to Watson's Defender, a son of Defender. Satisfaction guaranteed.
R. C. WATSON, ALTOONA, KANSAS

IMMUNE BRED GILTS

Choice spring gilts by a grandson of both H. Climax and the world's fair champion sow, Doty. All safe in pig to Wonder of Kansas by Crimson Wonder IV, and out of Lady Good E. Nuff by the champion Good E. Nuff Again King. If you want good gilts bred in the purple we have them marked down in price so any farmer or breeder can afford them. Write today.
A. F. SIEGLINGER, PEABODY, KANSAS.

13th. ANNUAL Duroc-Jersey Bred Sow Sale

To Be Held In Heated Sale Pavilion

Smith Center, Kan., Saturday, Feb. 6

35 Duroc-Jersey Bred Sows 35

These sows were sired by such boars as Model Boy 130859 and Golden Wonder 155313. They are bred to such boars as Golden Wonder, Crimson Critic and Crimson King. These sires and dams are from noted prize winning ancestors and our herd is rich in the breeding of Walmyer Bros., who have won practically all the prizes at the leading shows for a number of years. We have been in the business a long time and believe we know how to handle bred sows for the best results and this offering of big well grown spring gilts and sows is the best we ever offered. Best of train service in and out of Smith Center. Catalogs ready to mail. Address

Philip Albrecht, Smith Center, Kan.

Auctioneers—John Brennen, C. A. Mathes.

Fieldman—J. W. Johnson.

Note: Our pure Scotch herd bull will be sold in this sale. He is five years old and from the Thompson herd.

DUROC-JERSEYS.

Hirschler's Durocs

Herd headed by Graduate King, by Graduate Col. Gilts by Tatarax Chief and E. L.'s Col. bred to him; also a fine lot of spring boars, priced for quick sale. Write today.

E. L. HIRSCHLER, HALSTEAD, KAN.

Uneda Herd
Unexcelled
Durocs

March boars of excellent breeding, color and quality. Weight, 175 to 200 pounds and not fat. \$20, \$25 and \$30. Choice Sept. boars \$10 to \$15. The Duroc Bulletin one year with each Tyson Bros., McAllister, Kas.

IMMUNE DUROC SOWS
For Sale

Duroc sows guaranteed in farrow and cholera immune. Shipped to you before you pay.

F. C. CROCKER, FILLEY, NEBR.

Get This Private Sale Catalog

Duroc-Jersey bred gilts. Choice spring gilts and a few fall gilts priced right. Get my prices. Write for my private sale catalog.

RALPH P. WELLS, FORMOSO, KANSAS

DUROC BRED GILTS PRIVATE SALE

Will not hold public sale and offer privately 35 choice yearling gilts, and 15 tops of spring crop. All sired by Royal Wonder and bred to Big Chief a richly bred 800 pound boar when mature. Every representation guaranteed.

D. S. COCHRAN, LINCOLN, NEBRASKA

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. GTEY & SONS, WINFIELD, KANS.

HUSTON'S DUROCS

Boars for sale by Country Gentleman, Golden Model 4th and Model 140199; sows and gilts safe in pig to such sires as Long Wonder 2nd, County Gentleman and Model. All immune and at pocket-book saving prices.

W. R. Huston, Americus, Kansas.

Select Chief, The Grand Champion

Of Kansas, Oklahoma City, Muskogee, Okla., Dallas, Texas, Shreveport, La., and Hot Springs, Ark. For Sale. Boars sired by him and gilts either by him or bred to him. Thompson Bros., Garrison, Kansas.

DUROC-JERSEY BOAR BARGAINS

30 March and April boars to ship on approval. Low prices as I must sell them. Sired by Dreamland Col. Big bred sow sale at Kanopolis, Feb. 23. Write for boar bargains and sale catalog. Address:

J. R. JACKSON, KANOPOLIS, KANSAS

Howe's Bred Sows and Gilts

Immune spring gilts, fall yearlings and tried sows; extra good breeding. Bred for spring litters to Crimson Hero by Crimson Wonder 4th whose first six sires were grand champions. Prices reasonable.

J. U. HOWE, Route 8, WICHITA, KANSAS

Elm Creek Herd Durocs

A few extra good Duroc Jersey gilts, bred for March farrow. Also one good yearling boar.

J. O. Hunt, Marysville, Kansas.

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.

Big Bred Sow SALE

February 27

All boars fit to ship sold. Will sell a few bred gilts at private sale. Write for prices and my big bred sow sale catalog. Everything immune.

E. N. FARNHAM, HOPE, KANSAS

(Hillcrest Farm Durocs)

Maplewood Farm Durocs

We offer 40 bred sows at attractive prices. Big, well grown spring gilts. Best of breeding. Address,

MOTT & SEABORN, HERINGTON, KANSAS

TATARRAX HERD DUROCS

Offers for sale at right prices

75 BRED GILTS

of distinct quality and exceptional breeding.

10 Outstanding Boars

Everything immunized and in perfect health. Come and see us or write your wants.

BUSKIRK & NEWTON
NEWTON, KANSAS

stretchy. Prices to sell them for the next 30 days is the way they put it. Look up their advertisement in this issue. Write for prices on boars and tell them to send you their sale catalog of bred sows which will be held February 12 at the farm.

Ralph P. Wells, Formoso, Kan., has recently issued a private sale catalog and is offering for sale Duroc-Jersey spring gilts and a few fall gilts. This catalog tells all about the breeding and gives short descriptions of each gilt offered. If you want to buy Duroc-Jersey gilts you better write Mr. Wells at once to send you his private sale catalog. Look up his card in this issue of the Farmers Mail and Breeze and mention this paper when you write.

Sam Herrin, Penokee, Kan., (Graham county), is advertising to book next spring pigs sired by his great young boar sired by old A. Wonder and out of the great sow, Lady Major. Mr. Herrin is one of the good breeders in the West and his herd is up-to-date in breeding. He has bought from some of the leading herds and last winter was a buyer on the big Riley county bred sow sale circuit. Write him for prices on next spring pigs, sired by this great boar and out of his splendid herd sows. Look up his advertisement in the Farmers Mail and Breeze.

Buy Jackson's Hereford Herd.

Recently Higginbotham Bros., of Rossville, Kan., bought the entire herd of Hereford cattle owned by General F. S. Jackson of Topeka, Kan. This is probably the largest sale of Herefords made in this state this fall. Over 30 head were included and the price ran into several thousand dollars. Higginbotham Brothers are changing from Holsteins to Herefords. They recently bought a large number of Whitefaces from Samuel Drybread of Elk City Kan. General Jackson has no intention of retiring from the Hereford business. At present he has about 100 Whiteface calves on full feed which he will sell for baby beef. He will replace his cow herd soon.

Duroc-Jersey Sow Sale.

Philip Albrecht & Son, Smith Center, Kan., are pioneer Duroc-Jersey breeders of Smith county and the advertisement of their thirtieth annual bred sow sale is advertised in this issue of the Farmers Mail and Breeze. Thirty-five sows and gilts will be sold and it is pretty safe to say that there will not be a better offering of Duroc-Jersey bred sows made in Kansas this spring. The herd is very strong in the Walmyer Brothers' breeding. The Albrechts have bought two boars and a fine gilt of them during the last year. The Albrechts are good caretakers and their herd is looked after carefully. You can't make a mistake by attending this sale if you are looking for a few choice bred sows. Their catalog is ready to mail. Ask them for it today.

Last Call Shuck's Sale.

This is the last call for Dana D. Shuck's big Duroc-Jersey bred sow sale at Burr Oak, Kan., Thursday, January 28. His advertisement appears in this issue of the Farmers Mail and Breeze. The offering is one of unusual merit and is sired, more than half of it, by Pawnee Crimson, one of the best Duroc-Jersey boars in the West. This boar is not only a good individual but he is a splendid breeder and gets big litters and they are the kind that will sell as you will see sale day. A few of the gilts are by Mo. Climax, by 2d Climax. All are bred to the best advantage to the herd boars. The Climax gilts are bred to Pawnee Crimson and the Pawnee Crimson gilts to Mo. Climax. There won't be a better opportunity of the state to buy first class gilts and the prices are liable to be mighty reasonable as this is the first sale of the season in this section. Write today for the catalog and come or send bids to J. W. Johnson of the Farmers Mail and Breeze in care of Dana D. Shuck, Burr Oak, Kan.

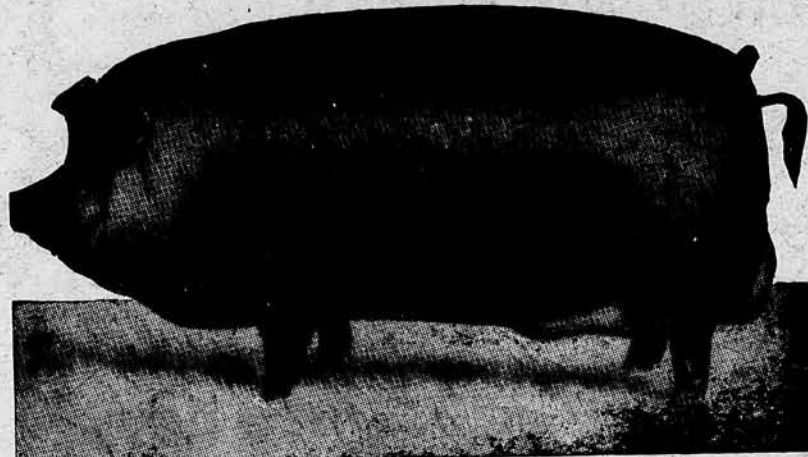
Breeders' Percheron Sale.

The breeders of Shawnee and adjoining counties held their first annual sale at the state fair grounds, Topeka, Kan., January 13. There were 22 head of registered Percherons consigned to this sale and they sold at an average of \$320. In the majority of cases the consignors were fairly well satisfied with the prices although in several instances the animals sold considerably below their worth. The offering was taken largely by Lee Bros. of Harveyville, Kan., and J. C. Robison of Towanda, Kan., were present and contributed to the success of the sale by their bids. Crews, Ansel & Hingate of Topeka and James McCullough of Clay Center, Kan., made the sale. Col. McCullough sold the highest priced stallion for \$550. This stallion was consigned by Groenmiller & Sons of Pomona, Kan., and was bought by A. F. Myers of Perry, Kan. The top mare consigned by William Branson of Overbrook, sold to L. L. Vrooman of Topeka for \$400. H. W. McAfee, manager of the sale, said that the association was fairly well pleased with the sale and that they would hold another sale next year. He said that they had already received 19 consignments for the next sale.

Mammoth Kansas Bred Jacks.

Cornelius McNulty, Stockton, Kan., proprietor of the Grandview Jack Farm, is starting his advertisement in this issue of the Farmers Mail and Breeze. He held a big Concordia, Kan., last winter the first big Jack sale ever held that far west in the state. He had expected to hold another sale at the same place this winter but because of an auto accident quite severe injuries he was delayed in making the arrangements and has decided to sell the offering intended for this sale at private sale at his barns in Stockton. This offering of 18 big mammoth Jacks ranging in ages from Jacks of serviceable ages down to weanlings and 35 Jennets, all bred, is one of the strictly high class Jack and Jennet offerings of the season. The Jacks are all blacks with white points and are big fellows with bone and substance and have back of them a reliable and trustworthy young man who is making the effort of a lifetime to build up a Jack business here in Kansas. Mr. McNulty owns a 720 acre ranch near Stockton and is clearly demonstrating that Jacks can be grown on a Kansas farm as well as anywhere else, and the Jacks he showed the writer last week challenge any like number we ever saw. Write

Pawnee Crimson Sale
Duroc-Jersey Bred Sows
Burr Oak, Kan., Thursday, Jan. 28



This is Dana D. Shuck's annual bred sow sale and the offering numbers 40 head. There will be five very choice tried sows bred to Pawnee Crimson. The 35 gilts are about half by Pawnee Crimson and the rest are by a great son of this great sire. There are also a few of the gilts by Mo. Climax, by 2d Climax, who's grandsire was grand champion three years in succession. The dams of the 35 great March gilts that go in this sale are among the best herd sows in northern Kansas. Pawnee Crimson, their sire, is a big massive fellow that can be put to 1000 pounds when well conditioned. He was sired by Crimson Wonder 3rd, and his dam was by B. & C's Col. He has splendid length, back, feet and is simply good all over and a splendid sire as will be seen sale day. All of the gilts are bred to a good son of R. & S. Crimson Wonder and a son of King the Col. Everything is immune.

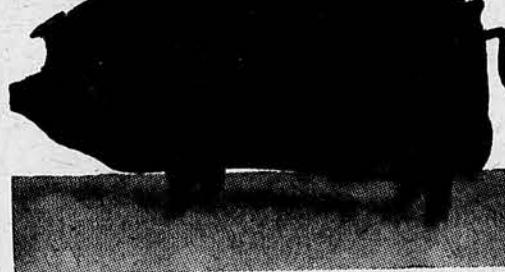
Hereford Cattle in This Sale

A good registered three-year-old Hereford bull and 11 cows and heifers, purebred but not registered and bred to this bull will be sold. Write today for my catalog. Address

DANA D. SHUCK, Burr Oak, Kan.

Auctioneers—John Brennen, N. B. Price, Essie Cravens, G. G. Denney. Fieldman—J. W. Johnson.

Durocs Priced to Sell
60 Head



20 Bred Sows and Gilts
20 Choice Spring Boars
10 Handsome June Gilts
10 Fancy June Boars

They are most all by or out of sows by Tattler, by the champion Tatarax, Smith Graduate, a grandson of the famous Graduate Col., and Gold Medal, a grandson of Crimson Wonder 4th. The sows and gilts are safe in pig to C. J.'s Col., by Col. Harris. They are the kind that farrow and raise large litters. The spring boars include both the rugged, stock-farmer kind and the kind suited to the breeder. The June boars and gilts have unusual quality. These hogs are fashionably bred, good boned, good colored, handsome headed and the type that will please you.

No Public Sale I prefer to give my customers the benefit of what a sale Special Reduction on Six or More. These 60 hogs must sell the next 60 days. Come to the farm on Interurban R. R., near Newton, Kan., and let me help you select. If you cannot come write me exactly what you want. Yours for quick business.

J. R. SMITH, Newton, Kansas

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

THE GET OF CHAMPION BOARS

Duroc-Jersey spring boars and gilts sired by 800 and 1,000 lb. champion boars and out of one of the best herds of sows in Mo. Big boned, strong boars ready for service, \$25 to \$25; gilts bred to farrow in March, \$25 to \$35. Register papers furnished without extra charge. Send your check and get your money's worth. R. W. TAYLOR, Olean, Mo.

**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.

**BIG TYPE UNPAMPERED BERKSHIRES**

150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Truetype, King's Truetype, 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.

10 April and May Duroc Boars sired by Iowa Chief 2nd and Van's Crimson Wonder. Also a nice lot of gilts sired by these great herd boars and bred to a son of Royal Climax.

GARRETT BROS., STEELE CITY, NEB.

IMMUNED DUROC-JERSEYS

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

HAMPSHIRE.

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

HAMPSHIRE'S 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.

For Hampshire Hogs, Dutch Belted Cattle, Arab Stallion COLLIE DOGS AND GEESE FEATHERS. WRITE C. W. WEISENBAUM, ALTAMONT, KANSAS.

SUNNY SLOPE FARM
HAMPSHIRE'S

Pure bred, registered, well-belted, growthy, vigorous and immune Hampshire Hogs. I guarantee to please you or adjust any difference to your complete satisfaction.

FRANK E. PARKS,

Olathe, Kansas

POLAND CHINAS.

SMUGGLER GILTS bred to KING HADLEY for early spring farrow. J. B. MYERS, Galva, Kansas.

Sam Herren, Penokee, Kas. Booking spring pigs sired by my great young boar by old A Wonder and out of the great sow Lady Major.

Poland China Bred Sows, Norton, Kan., Feb. 13. 40 sows and gilts. A few choice spring boars at private sale. J. F. Foley, Oronoque, Kan. (Norton Co.)

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.

King of Kansas Bred Sow Sale

20 fall and 20 spring gilts sired by the above great boar. Five choice proven brood sows bred to King of Kansas. A big percent of the gilts bred to Long Jumbo Jr. Write to day for catalog. J. L. GRIFFITHS, RILEY, KANSAS

Big Spotted Poland Chinas

50 Big Spotted Poland China sows and gilts in my Feb. 24 bred sow sale. I want you to come. Write today for Catalog. The Farmers Kind.

Alfred Carlson, Cleburne, Kan.

Poland China Boars

March and April farrow. Also a few choice fall yearlings. These are actual tops and for sale at reasonable prices. Strictly Big Type. Gilts reserved for bred sow sale JAS. ARKELL, Route 4, Junction City, Kansas

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 Oronoka and out of sows by A Wonder, Bell's Price, etc. 30 registered Shropshire rams.

F. D. FULKERSON, BRIMSON, MISSOURI

ENOS' Big Type POLANDS

25 head of my top sows and gilts for sale, bred to two great boars, Orphan Chief and Mastodon King, a great young boar. Three July boars that are strictly herd headers by Orphan Chief. A. R. ENOS, Ramona, Kan.

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

Gephart—Long King

A few choice spring boars at attractive prices. I will sell 50 bred sows and gilts at the Agricultural College, Feb. 17. I start the big Riley County circuit. Write to day for my catalog. J. H. HARTER, Westmoreland, Kansas.

Fairview Herd Poland Chinas

Choice Fall Yearling and Spring Gilts, bred for March and April farrow, offered at prices to sell quickly. Write us for guaranteed descriptions.

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. WILLFOUNG, 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 Poland

25 head of our top sows and gilts for sale, bred to four of the greatest big type Poland China boars in use today including Robidoux, a 1200 lb hog; also fall pigs from Orphan Big Gun, Big Hadley, Mr. and Big Giant, at \$20 each; three for \$45.00; a few Robidoux fall males at \$25 each for quick shipment.

A. J. Erhart & Sons, Ness City, Kan.

Geo. Bingham

Bradford, Kan. (A Pioneer Iowa Herd)

50 strictly big type Poland China sows and gilts at private sale. Inspection desired. Prices and descriptions by return mail. Address GEO. BINGHAM, BRADFORD, KAN. (Wabaunsee County).

to Mr. McNulty for descriptions and prices and arrange to visit his barns at Stockton. If you are on the Union Pacific go to Plainville in Rooks county and phone him and he will call for you with his auto. Stockton is easily reached on the central branch of the Missouri Pacific. Mention the Farmers Mail and Breeze when you write him.

N. Missouri, Iowa and Illinois

BY ED. R. DORSEY.

A. E. Limerick & Son, the jack men of Columbia, Mo., and owners of the big jack farm known as the Springdale Stock Farm, will sell on February 3, 25 high class jacks, the sort that has made Springdale so popular. They are all young jacks, all fresh. No second hand jacks in the offering. E. D. Moore of Columbia, Ia. is selling 25 saddle stallions and mares that are of the same breeding that has added so many laurels to his stable, the kind that bring in the prizes from state fairs, American Royal and International shows. Their advertisement appears for once only in this paper. Buyers will be pleased with the offering.

Duroc-Jersey Bred Sows.

If you are interested in good Duroc-Jersey sows and have not received a copy of Dr. C. E. Still's catalog of his Duroc-Jersey sale February 4 at Kinloch Farm, address him at Kirksville, Mo., and get one. Dr. Still is not only well known all over America but is known all over the world. The doctor is a hustler; in his busy hours he takes time to see after the city of Kirksville as he is always elected mayor. He is as prompt about the public's business as he is of his own private affairs. He is a help to the Duroc business and the breeders are proud to have such a man as Dr. C. E. Still in the business. Arrangements will be made to go directly from Dr. Still's sale to H. E. Browning's sale. Better make arrangements to attend Smith Brothers' sale at Thompson, Mo., the day before and take in all three sales in one trip. Don't forget to send for one of Dr. Still's catalogs right away.

Big Duroc Sale Circuit.

W. O. & B. A. Smith, owners of the Valley Stock Farm of Thompson, Mo., and breeders of not only Duroc-Jersey hogs but breeders and exhibitors of state fair champion Duroc hogs over Missouri, Kansas, American Royal and such hot contested shows are to have their annual brood sow sale February 3, just before Dr. C. E. Still, of the Kinloch Herd at Kirksville, Mo., and H. E. Browning, of Hershman, Ill. It's likely three better sales will not get in one circuit this winter. Smith Brothers are selling 18 daughters of Col. Bob bred to Beauty's Model, one by Crimmon Wonder 3d, one by John's Ohio Chief. Col. Bob, one of the best known and best breeding hogs in the state, will also be sold along with his son that is a corking good one. The Smiths include state fair champions and all when they sell. They go back then like Browning and feed up more good ones and bring them out the next season and put them in the list of state fair champions. As good Durocs as are grown will sell in this circuit. Dr. Still has bought regardless of price, the very best that can be bought. So let's go to all these sales. Mention the Farmers Mail and Breeze if you write.

Ed Boen's Big Jacks.

As usual we find a great stable of jacks and Jennets on the Prairie View Stock Farm owned by Ed Boen, of Lawson, Mo. It is said that Mr. Boen sells more jacks at private sale than any other breeder in the world. He has been breeding jacks from an early date, in fact his father, J. M. Boen, was one of the early breeders of Kentucky and "Ed" was raised in the business. We have been calling on Mr. Boen for a great many years and we have never found a poor jack on Prairie View Stock Farm. Those who deal with this breeder get satisfaction because that is part of Mr. Boen's business. He has several customers that have visited his farm, bought a jack and then ordered the next year and the order was filled from description. He has a customer in Oregon that has bought six by mail order. One man in Colorado has bought three different times and never did visit the Prairie View stable. He has sold jacks in nearly every state west of the Mississippi river and in a few states east. He now has as good as he ever owned and mostly of his own breeding and out of as good a lot of Jennets as any man owns. Don't be afraid of his reputation, he does not tack that to the price. He will sell you a good jack for as little money as it can be bought for anywhere.

Nineteenth Brood Sow Sale.

The Brownings of Hersman, Ill., will hold their banner bred sow sale February 5 at the Idlewild Home Farm. Mr. Browning thinks this will be his banner sale so far as individuality and usefulness is concerned and if Harry Browning doesn't know, who does? The following four herd boars are being fitted for the World's Fair at San Francisco. World's Fair Col. 59257, bred at the Idlewild will be shown in the junior class. This is possibly one of the greatest boars of the herd, and few will be equal to him in size. He is by King of Cols. 16075 and his dam is a full sister to A's Defender, the grand champion at the Illinois State Fair. Rajah 59253, a senior yearling has the qualification of Disturber for size and Helen Blazes for quality. He is sired by Disturber and out of Helen Blazes VII, by Crimmon Wonder III. Disturber of Idlewild 53691, is an aged boar and an exact image of Disturber. He is out of Willetta XXI, a full sister to three champion boars, all sired by Tippy Col. a full brother to King of Cols. Repeater 59259, A. will be in the same class with Rajah and will give him a close race for the honors. Harry Browning is the breeder or developer of such boars as Defender, Superba, A's Defender, Chief's Col., Crimmon Col., Fashion, Volunteer, Our Volunteer, Educator, Disturber, Bold's Crimmon Wonder, Drafted, Col. Crimmon, Chief's Col. 40th, Col. Beabout, Ringmaster, Proud Col., and many other state fair grand champions. The sows and gilts to be sold in the February 5 sale are mostly sired by Chief's Col., Disturber, Cherry Prince, Defender and Superba. He sells 40 head at this sale and it will be conducted by Col. Fred Reppert, Judd McGowan and C. C. Farmer. Write today for catalog and arrange to attend the sale or send bids to Ed R. Dorsey of this paper.

POLAND CHINAS.

Poland Chinas with size and quality hard Giant and Long Look. Cholera immune. Stock for sale. LAMBERT BROS., SMITH CENTER, KAN.

SPECIAL BOAR BARGAINS

15 yearling and spring boars for sale, sired by Cavett's Mastiff by King Mastiff and Sterling by Brookside, by Hadley. \$20.00 to \$30.00 to move them quick. A. L. ALBRIGHT, WATERVILLE, KANSAS

Wiebe's Immune Poland March boars weighed 300 lbs Nov. 1st with 7 1/2 in. bone. Choice March and April boars; \$2.50 to \$5.00 reduction in order to close out and get ready for our Feb. 5th bred sow sale. G. A. WIEBE, BEATRICE, NEBRASKA.

POLAND CHINAS.

Becker's POLAND CHINAS Spring gilts, Hadley, Expansion, Mastodon, and other leading strains and safe in pig to Orphan Boy, by Orphan Chief. Fall pigs, pairs and trios, by Orphan Boy and Hadley's Wonder, a grandson of A Wonder. J. H. BECKER, NEWTON, KANSAS

Courtland Herd Big Type Poland

For sale: boars and gilts by Long John. Gilts bred to Orange Wonder 2nd or 3rd year. W. A. MINTOSH, COURTLAND, KAN.

I HAVE SOME FALL PIGS for sale at a bargain. Priced to sell. Sired by my blue ribbon, reserve champion and grand champion boars. W. Z. BAKER, RICH HILL, MISSOURI

Blough's Large Type Poland

Big Growthy Spring Gilts Also a few tried sows and fall yearling gilts safe in pig to the good boars, Valley Coin and A Great Orphan for February and March litters.

Come and see these hogs If you are disappointed in their size of quality we will pay your car fare home. Yours for business and at prices we both can afford. Write your wants today. Address: JOHN BLOUGH, Bushong, Lyon County, Kansas.



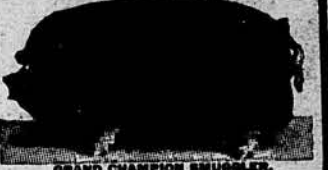
DOOLEY'S SPOTTED POLANDS

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

Both Large and Medium
Type Poland—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.



BIG OX BRED SOW SALE

Steele City, Nebraska, Under Cover

Friday, February 12, 1915

48 Head Immune Poland China Bred Sows and Gilts 48

Including all of our 1914 show herd: 20 fall yearlings, 4 senior sows, 20 March gilts, 3 junior yearling sows.

Over half or the offering bred to the undefeated Superba. Half sired by the great boar, Big Bone's Son, sire of young herd, first at four state fairs the past year. Part of the offering by Skylark, sire of aged herd, first at four leading state fairs, 1914. Write for illustrated catalog. Mention this paper. Free entertainment. Ser bids to fieldman in my care.

W. E. WILLEY, STEELE CITY, NEBRASKA

Auctioneer—Jas. Duncan. Fieldman—Jesse Johnson.

LOOKABAUGH POLAND CHINAS
600 Head. Best of Large Type Breeding.

A Wonder, Hadley, Designor, Long King and other noted blood lines.

ANY FARMER CAN AFFORD ONE 100 SPRING BOARS

They grow big and mature early and will breed just that way for you. Why not have a crop of pigs next spring that, not only will look good, but make hogs big enough to ship out next fall before the weather gets cold. I want to sell 50 of these boars to farmers the next 30 days and when your pigs arrive if you are not satisfied you have made a good buy I will refund your money cheerfully. But you must do business quickly if you get one of these good boars.

Also bred sows and gilts.

H. C. LOOKABAUGH, Watonga, Oklahoma

O. I. C. Auction Immune
Bred Sows
Friend, Neb., Wednesday, Feb. 3

35 Head of Tried Sows Just In Their Prime, 35 Most of them fall yearlings that have raised litters. None over three years old.

5 Selected Spring Gilts

Nearly all sired by Fairmont Chief, one of the greatest breeding boars of the breed. Bred to the boars Fred and Murray's 4 B. Fairmont Chief is an 800 pound boar in fair flesh and close to 1,000 pounds fitted. His dam was the great World's Fair winner, Alvey Pet. Our herd has won its share of premiums in best shows. We are offering as a special attraction a young herd of three fall gilts and a fall boar. Will be sold together and will start someone in the business. Sale at farm under cover. Write for catalog mentioning Farmers Mail and Breeze.

CHAS. H. MURRAY, FRIEND, NEB.

AUCTION—Ray Page. FIELDMAN—Jesse Johnson.

O. I. C. HOGS

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

Coon Creek O. I. C. Herd

32 Sept. pigs, both sexes, spring boars and gilts, and choice brood sows for sale. A. G. Cook, Luray, Kan.

Sunny Side Herd O. I. C.

30 Spring pigs both sex, pairs and trios not related, best of breeding, priced right. W. H. Lynch, Reading, 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 spring farrow; boars ready for service, pairs and trios not related. Best I ever offered. Very reasonable prices.
JOHN H. NEFF, BOONVILLE, MISSOURI

MAPLE GROVE O. I. C.'s

Pigs 2 to 3 mo. old \$3.00; 3 to 4 mo. \$10.00; 4 to 5 mo. \$12.00; pairs and trios no kin. Gilts farrowed May 2nd, bred to farrow in April, \$20.00. Gilts farrowed last March bred to farrow in March and April, \$22.50. Gilts farrowed January, 1914, bred to farrow in March and April, \$25.00. All bred to boar that won three first premiums at St. Joe, Ind. Interstate fairs, last August. Sows to farrow second litters in March, \$30.00; sows to farrow third litters in January, \$35.00; bred to true herd boar. Entire herd in perfect health and never had cholera on farm.
E. J. GREINER, BILLINGS, MISSOURI

POLLED DURHAMS.

POLLED DURHAM BULLS

Good Enough X 5083, also a coming 2-year-old, by Spring Brook Orange. T. M. Wilson, Lebanon, Kansas.

Double Standard Polled DURHAMS

Six yearling bulls. A number of under yearling bulls. 2 good French draft stallions and some jacks. C. H. HOWARD, Hammond, Kas.

HEREFORDS.

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, Waco Rapids, Kan.



DAIRY CATTLE.

35 Head of 1 and 2 year old JERSEY HEIFERS

also a few cows and two registered bulls, a nice lot. Priced to sell. R. F. HODGINS, SILVER LAKE, KAN.

HOLSTEINS — CHOICE BULL CALVES

H. B. COWLES, TOPEKA, KANSAS.

Higginbotham's Holsteins

Registered Holstein bulls for sale, from a month old up to two years old, many of them from A. R. O. Dams. They are priced so they sell readily. If you need a bull see ours before you buy.
HIGGINBOTHAM BROS., ROSSVILLE, KANSAS.

Sunflower Herd Registered Holsteins

A number of choice young bulls all from A. R. O. dams and from proven sires and granddaughters. (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. LINSOTT, HOLTON, KANSAS

HIGH GRADE HOLSTEINS

Over 100 head in herd. Special prices on cows and 40 yearling and 2-year-old heifers, sired by Sinda Butter Boy King, whose dam and granddam were 27 lb. cows. 40 miles west of K. C. N. EAGER, R. R. No. 8, Lawrence, Kansas

Holstein Herd Material

Choice Bull Calves; Serviceable Bulls; and Females:
Herd headed by Wauseona King Korndyke, a grand-son of Fontaine Korndyke, that sired 102 A. R. O. daughters.
T. M. EWING, INDEPENDENCE, KAN.

Bonnie Brae Holsteins

I am offering 7 beautiful heifers from 15 to 21 months of age, strongly bred in the DeKol strain, granddaughters of DeKol 2d Paul DeKol No. 2 sire of 35 A. R. O. daughters, and 16 proven sons; grand sire DeKol 2d Paul DeKol, sire 45 A. R. O. daughters and 37 proven sons; also 4 nice young cows from 3 to 5 years, of the Gerben, Korndyke and Wintze families, fresh and coming fresh. This is all first class stuff. One bull calf, 3 months of age. If this stock is registered. IRA ROMIG, Sta. B, Topeka, Kan.

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

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

Nebraska

BY JESSE R. JOHNSON.

Forty spring gilts, the tops of over 100, all immune and bred to the great champion boar Illustration 2d go in Geo. Briggs & Sons' January 25 sale. Bids by wire or phone to Jesse Johnson, care this firm, will be handled properly.

Shorthorn Sale at Hastings.

Rudolph Firme of Hastings and A. A. Stone of Hanson, Neb., announce a joint Shorthorn sale to be held at Hastings on March 13. These well known breeders have been selling together for several years and their offerings are always high class. This year it will be fully up to the standard or better than usual. More will appear later about this sale, but it will be all right to ask for a catalog any time. Kindly mention this notice when making the request.

Percheron and Shorthorn Sale.

F. A. Egger of Roca, Lancaster county, Nebraska, authorizes us to claim March 17 as the date for his sale of registered Percheron horses and Shorthorn cattle. Mr. Egger will sell about 20 head of horses and the same number of cattle. There will be five or six stallions of serviceable age and a choice lot of mares and fillies, about 10 choice young bulls and a fine line of cows and heifers. More about this sale will appear later but it will be all right to file application now for catalog. Mention this paper when writing.

Beall & Jackson's Dispersion.

The Beall & Jackson dispersion sale of big, prize winning Poland Chinas, to be held at Roca, Lancaster county, Nebraska, February 1, should attract Kansas buyers that are in the market for the very best. The 800 pound grand champion sow Queen of Wonders and six of her sisters are included. Also 30 daughters and 10 granddaughters of Nebraska Wonder, by A Wonder, go in this sale. There will be no better opportunity this year. Bids may be sent to Jesse Johnson in care of parties making the sale.

O. I. C. Sale Last Call.

Friends of the O. I. C. hog will have a splendid chance to buy the very best at the Chas. H. Murry sale to be held at Friend, Neb., Wednesday, February 2. Mr. Murry writes that the offering is in first class condition and that he is putting in an outstanding lot of bred sows and gilts. He also mentions the young herd that goes in as an attraction. This consists of three open July gilts and a young boar out of the great sow Lady Geseckings. Many show sows are included and none that haven't been good workers in the herd.

Good Private Sales.

Geo. W. Schwab of Clay Center, Neb., has been having especially good sales during the past six weeks. He is shipping about 10 Duroc-Jersey boars a week at better prices than he has been getting for the same quality of stock and his customers are all satisfied. Besides the boar sales Mr. Schwab has had an exceptionally good trade recently on bred sows and gilts. His hogs have been going to Nebraska, Iowa, Colorado and Kansas. His prices range from \$25 to \$35 on cholera proof boars; \$30 to \$50 on immune gilts; \$50 to \$75 on tried sows. This stock represents the very best of Duroc-Jersey breeding and the sows and gilts he is offering are bred to Buddy K. 4th Wide Awake, Premio and Demonstrator. Interested readers should write Mr. Schwab for further particulars. Please mention this paper.

Rouselle Offers Imported Horses.

In his advertisement which appears this week Joseph Rouselle of Seward, Neb., offers imported Percheron, Belgian and Shire stallions and mares weighing from almost a ton up to over 2100 pounds. He has a choice lot, the smallest horse in his barn weighs nearly 1900 pounds, as a 3-year-old. The offering includes Mistrial, one of the biggest stallions of his age living, weighing 2100 pounds not fat, and not yet 3 years old. Moulin, another magnificent young fellow, was third in class at Paris and fourth at Marners, in 1913. Mr. Rouselle has made annual trips to France and Belgium for years, sometimes making as many as three trips a year. He speaks the language and knows as well as any man living where and how to buy the good ones. A visit to his farm near Seward will convince any man that knows good horses. When you write him kindly mention Farmers Mail and Breeze.

Shorthorn Cattle Sale.

A. B. Garrison of Summerfield, Kan., announces a Shorthorn sale for Wednesday, February 3. This sale was advertised for December but Mr. Garrison decided to postpone the sale a couple of months and feed up a lot of the alfalfa on hand and be able to present the offering in just a little better flesh. Forty-five head are to be sold, almost the entire herd, as Mr. Garrison is leaving the farm. The 16 bulls to be sold range in age from 10 to 18 months. They are the blocky, wide, sappy kind. Twelve heifers are about the same ages and just as good individually. Eighteen choice young cows, about half of them with calves at foot and all day. The calves are by My Choice and all of the females not sired by him will be bred to him. He weighs 2,500 pounds, in good flesh and is one of the greatest breeding bulls in Kansas. He is a grandson of Choice Goods, and his dam was a daughter of Cherry King, descended from the great Marr Roan Lady tribe. The foundation of the cow herd were of the Flora family, bought from the famous Col. Casey herd. O. A. Tiller of Pawnee City, Neb., is putting in several head of extra choice young bulls and females, including one of his best Young Mary cows. Three of the young bulls consigned by him were sired by his show bull Pleasant Hill Master. The sale will be held under cover without fail. Catalogs upon request. Mention this paper when writing.

Prize Winners at Public Sale.

One of the greatest Poland China events of the winter will be the Poland China bred sow sale to be made by W. E. Willey at Steele City, Neb., Friday, February 12. The entire offering is immune and over half of the 48 head cataloged will be bred to Superba, the boar that won 25 firsts

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 these herd bulls will prove more than all my prize winning and show ring 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 Sale 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 Oederic 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

ECKHARDT'S SHORTHORNS

More Than 100 HEAD Must Sell by Feb. 15th
Cows and heifers bred or with calf at foot. A choice lot of young heifers and bulls 8 to 20 months old.

A Rare Chance for Breeder or Farmer

to add to or lay the foundation for a Shorthorn herd. Rose Dale by Avondale and out of Rose Wood 92nd, a sire of great merit at head of herd. 75 cows with calf at foot or bred to this son of the champion Avondale. When you visit this herd and see 30 of his last season's get, handsome sons and sweet daughters, they will prove to you his ability as a sire and you will want some of these cattle. We have raised these cattle and know what they are. The female foundation is mostly from my Wisconsin herd and are strong in milking qualities.

Special Prices Will Be Made

to those wishing the entire herd or who buy several head. You cannot afford to wait if you want good registered Shorthorns. These cattle must sell and will sell soon. Wire, phone or write when you will come. Phone No. 1212.

Levi Eckhardt, 1203 E. 10th St., Winfield, Kas.



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

HOLSTEINS

Herd headed by Sir Julianna Grace's DeKol, Dam one year, semi-official, milk 22087 pounds; Dam one year, semi-official, butter 924 pounds. Sire's dam one year, semi-official, 1936 pounds butter, as a three-year-old (world's record) and over 4,000 pounds butter in three years (world's record). We will let this great bull to a few good cows this season at \$25.00. We have several young bulls for sale. Write for particulars to

SHULTIS, ROBINSON & SHULTZ, (Owners), Independence, Kas.

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 & Porteous, R. 6, Lawrence, Kan.

GALLOWAYS.



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.

SHORTHORNS.

SHORTHORN BULLS

4 Shorthorn bulls, 9 months old, white and roans, sired by Golden Cruickshank, pure Scotch. From the same family as Lavender Lord, by Avondale.

C. E. HILL, TORONTO, KANSAS

CLOSING OUT SALE
Scotch Topped Shorthorns

12 bulls, 8 to 23 months old, reds and roans. 11 cows and heifers safe in calf or calf at side. EBY BROS., MARION, 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.

SCOTCH and SCOTCH
TOP BULLS

Three pure Scotch bulls; one 12-month-old Butterfly; one 8-month-old Orange Blossom; and one Brawith Bud. Three herd headers. I have other good bulls that carry several Scotch crosses. All priced to sell.

S. B. AMCOATS, CLAY CENTER, KAN.

Shorthorns Priced to Sell

A nice lot of Scotch and Scotch topped bulls 8 to 20 months old; also cows and heifers safe in calf. These cattle can be bought so they will make you a good profit. Do not wait, first come, first served.

H. C. Stephenson
CLEMENS, (CHASE CO.) KANSAS

SHORTHORNS

Choice Young Herd Bulls 10 to 14 months old. A few Choice Young Heifers. Some Cows close to calving. Everything guaranteed free from tuberculosis, or any other contagious disease. Prices very reasonable.

C. H. White, Burlington, Kan.

Pearl Herd
Shorthorns

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

C. W. Taylor
Abilene, Kansas

Three Shorthorn
Bulls

Almost perfect in conformation yet representing three distinct types. Lowy, by Lavender Lord, by Avondale and out of Lovely, is a beautiful red calf with great length and heavy bone; weight about 1000 pounds; age 12 months. Spring Goods 2nd, by Spring Goods, by Choice Goods and out of Maud Muller, a great cow. One of the best you ever saw; long, deep, wide, low-down, beautiful coat; eight months old; the prize-winner kind. Avondale 2nd, out of my Butterfly cow, dropped May 18th, is too good to sell but I cannot afford to keep him. It pays to buy the best, I have them. You can afford to buy them. Photos on request. (Also three extra good Duroc-Jersey boars.) Write today.

D. O. WILSON, Winfield, Kan.

last year and was never defeated although shown at Iowa, Nebraska, Missouri, Kansas and Illinois State Fairs. Half of the offering was sired by Big Bone's Son; one of the biggest boars in Nebraska, sired by Big Bone, by A Wonder, and out of a dam by Long Wonder. Big Bone's Son sired the young herd that won first at four leading state fairs last year. He also sired senior boar pig that was champion at Kansas, Nebraska and Missouri State Fairs. The three junior yearling sows that go in the sale were winners of first and second nearly everywhere shown. All of the females old enough to be bred before starting on the circuit have raised litters since the fairs. Seven of them farrowed 62 pigs, raising 54. Quite a lot of the offering was sired by Skylark, champion boar at Hutchinson, Kan., 1912, and sire of the aged herd that won first at Nebraska, Kansas, Missouri and Illinois State Fairs the past year. Besides being first at all the leading fairs as already stated Superba was grand champion at Kansas, Springfield, Mo., and St. Joe, Mo. This will be a rare opportunity to buy tops. A big illustrated catalog has been issued. Write for it and mention this paper. If you can't come, send bids to Jesse Johnson in Mr. Willey's care at Steele City, Neb.

Wiebe Sells Bred Sows.

G. A. Wiebe, well known Poland China breeder, at Beatrice, Neb., announces his annual bred sow sale in this issue, Friday, February 5, at the farm, about two miles out from Beatrice. Mr. Wiebe has one of the best and most uniform offerings of spring gilts to be sold this winter. About two-thirds of them were sired by his splendid breeding boar Taxpayer 2d. The tried sows are about all bred to Taxpayer 2d and the gilts are on to Mr. Wiebe's new boar Big Orange Wonder, sired by Big Orange. The dam of Big Orange Wonder was Wonder 2d. He is a good individual and this line of breeding is sure to nick well with Mr. Wiebe's class of sows. Some are bred to the other young herd boar A Wonder Sampson, a grand son of Beall & Jackson's great Neb. Wonder. Some of the gilts included were sired by Blue Valley Giant, a son of Blue Valley Exception 2d. The Wiebe herd has for years been noted for its uniformity and boars from this herd have found ready sale this year in Kansas and Nebraska. Mr. Wiebe having sold 30 head at an average of a little over \$32 a head and they have given universal satisfaction. He will appreciate the presence of Kansas and Nebraska farmers and breeders at this sale either as buyers or visitors. If you can't attend, send bids to Jesse Johnson in Mr. Wiebe's care at Beatrice, Neb. C. F. Jones and B. E. Ridgley sell next day at Pickerell. Arrange to attend both sales.

60 Immune Poland Gilts.

Thursday, February 4, is the date of Albert Smith & Sons' annual bred sow sale to be held at the farm about nine miles north of Superior and near Cadams, Neb. Three tried sows, 15 fall yearlings and 42 March gilts make up the offering. About 20 of the number are bred to the big boar Big Ben Amazon. The same number to the Peter Expansion and the remainder to the old standbys Nebraska Jr. Expansion is the young boar bought this fall and selected especially to nick well with the type of sows on the Smith farm. He is out of a dam by King Giantess by Long King. The dam of King Giantess being Mammoth Giantess. Peter Expansion was sired by Peter The Great by Big Bone Mastiff with a cross of Expansion on dam's side. He is big and not bad in a single place. All of the gilts were sired by the three boars, Big Ben Amazon, Nebraska Jr. and Victor's Prospect. They are out of the same litters as were the 50 big boars sold in this firm's fall sale. Extra good backs and feet are the points the visitor first notices when inspecting the offering. Not a bad head and a certain uniformity that directs one's attention to the fact that by buying here one may get the benefit of years of work in development. Such a bunch is no experiment and are the result of careful mating and thoughtful effort. Every one is immune. A few good registered Shorthorns will also be sold, consisting of young bulls ready for service and choice heifers. Catalogs will be sent upon request and sealed bids may be sent in care of the parties making the sale to Jesse Johnson, representing this paper.

A Select Poland Offering.

C. P. Jones of Cortland and Ben E. Ridgley of Pickerell, (Gage county), Nebraska, have joined forces and will hold a combination bred sow sale at Pickerell on Saturday, February 6. The sale will be held in town under cover and the offering of 40 head will comprise 20 strictly tops from each herd. Mr. Jones is a showman of some consequence and a few years ago won more premiums at Nebraska State Fair than any other one exhibitor. The same breeding that accomplished these results is still prominent in the herd. Mr. Ridgley is a regular exhibitor at Nebraska State Fair and always comes home with his share. A few years ago he showed Exception Blue Valley, weighing 830 pounds, at 18 months. He won first in class at Nebraska State Fair in 1910 and at that time he was the largest hog of his age ever shown at that fair. This same breeding continues to make Mr. Ridgley's hogs in demand. Mr. Jones has bred a big per cent of his gilts to his boar Giantess. Again, a good son of Growthy King, a litter brother to Long King's Equal. Some of the gilts included by Mr. Jones were sired by Big Logan, by Big Columbus. Mr. Ridgley has bred much of his part of the offering to his herd boar Black Ex., second in class at Nebraska State Fair the past season. Many are bred to Blue Valley Ex., a boar descended from Exception Blue Valley. No larger or smoother lot of bred sows will be offered during the winter and because two herds are being drawn upon it is better than it would be if the sale was all from one herd. A large catalog with footnotes will be issued and will be sent free to all that ask for it. Kindly mention this paper when writing. G. A. Wiebe sells Poland China bred sows the day before at Beatrice. Both sales can be attended with one expense. Bids may be sent to Jesse Johnson in care of Mr. Ridgley at Pickerell, Neb.

Panorama a Big Factor.

One of the big Poland China bred sow sales of the year will be the sale advertised in this issue by Phil Dawson of Endicott, Neb. The sale is to be held at South St. Joe, Mo., Tuesday, February 9. The offering of 50 tried sows carry the blood of

Percheron
Event of the Year

March 2, 1915
Manhattan, Kansas

35 Imported and American bred mares.

15 Stallions, including our entire show herd except Scipion. Mares bred to him and colts sired by him will be included.

LEE BROTHERS

Catalog Ready
February 1st

Harveyville, Kan.

Watson, Woods Bros. & Kelly Co.

LINCOLN, NEBRASKA

Imported and American Bred Stallions.

PERCHERONS, BELGIANS AND SHIRES.

We have a splendid lot of stallions of various ages selected especially for the requirements of our trade. They are big, drafty, clean boned, well finished and good actors. We have never offered better bargains.

150 Choice Holstein Heifers unregistered, from best milking strains, soon to freshen.

OUR PRICES ARE RIGHT

WE HAVE BEEN IN THE HORSE
BUSINESS MANY YEARS

And we have never at any time owned as many ton stallions as we have at the present time. If you are looking for a stallion with size, quality and action at a reasonable price come and see us.

Daniel Kelly & Son City Office, Lincoln, Neb. 1012 S. St.

Registered Percheron Studs

We have them, big fellows. 1, 2, 3 and 4 yr. olds. Real Drafters, big bone, lots of quality and action, grown right, will go out and make good both as to sires and foal getters. You lose money if you don't look at Bishop Bros' Studs before buying. 20 miles east of Wichita on Mo. P. Ry.

BISHOP BROS., Box A, TOWANDA, KANSAS

Brilliant Blood, Jet Blacks, Rich Grays

Registered Percheron studs, 1, 2, 3 and 4 years old. I grow the ton type 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.



GREEN'S BIG STOCK SALE

Kiowa, Kan., Friday, February 5th

GREATEST JACK AND JENNET SALE OF THE SEASON

34 JACKS AND JENNETS: 22 jacks, 10 big jacks of breeding age, 7 coming two-year-olds and five weanlings. 12 jennets all in foal to a great herd jack or with colt at side. A number of these jacks and jennets would be a feature in any noted jack sale.

50 HORSES AND MULES, including a registered three-year-old Percheron stallion weighing 1800 pounds, one high-grade Percheron stallion weighing a ton, two registered standard bred stallions, also a 1250 pound, five-year-old gentle driver with lots of speed. Two part Shetland ponies; one in foal. Work mares, work mules and two-year-old colts. With matched teams of both horses and mules.

THE CATTLE include 8 head of good milk cows and heifers; three non-registered Jersey bulls ready for service. THE HOGS include 6 Duroc bred gilts, full bloods but not registered and a pure bred but non-registered boar. This is a great lot of unusually good stock. The biggest sale opportunity of the season. Write for particulars. Trains met; free conveyance. Address I. N. GREEN, KIOWA, KAN.

Auctioneers: Pete Powelson, R. L. Harriman, Late Burger, Fieldman, A. B. Hunter.

BUY YOUR JACKS OF PRAIRIE VIEW JACK FARM

We have shipped jacks for 35 years. The same reliable guarantee goes with each sale. We have forty jacks and jennets to sell from 2 to 5 year-olds, 15 to 16½ hands high. We sell more jacks at private sale than any other firm. 40 miles north of Kan. City and 40 ml. east of St. Joe. ED. BOEN, LAWSON, MISSOURI

Imp. Stallions
and Mares

Percherons, Belgians, and Shires 2 to 6 yrs. old, weight, 1900 to over 2100. Paris, Marmers and state fair winners. Best guarantee, prices right. Terms to suit reliable parties. Also Shorthorn bulls and heifers.

Joseph Rousselle, Seward, Neb.



DAIRY CATTLE.

HOLSTEINS FOR SALE high bred registered bulls, from 4 to 18 months old. H. B. AMSPACKER, JAMESTOWN, KANS.

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

BEST of BLOOD LINES and cattle that will please you. Cows, heifers and young bulls, at attractive prices. I. W. POULTON, MEDORA, KAN.



FOSTERED HORSES.

AUCTION SALE, TUESDAY, FEB. 2
33 Percheron horses including Imp. and home bred stallions and mares and high grade Percherons; also 8 Shorthorn cattle. WM. FORSEY, Eden, Kansas.

Miami County Breeders Sale
Thursday, February 25, 1915

J. M. Nolan, Paola, Kan. Percherons
J. D. Detar, Spring Hill, Kan. Percherons
J. W. Masters, Paola, Kan. Percherons
Hefebower & Laskie, Bucyrus, Kan. Percherons
M. A. Kelly, Bucyrus, Kan. Herefords
E. J. McDill, Paola, Kan. Herefords
C. J. Woods, Chiles, Kan. Polled Durhams
F. L. Ware & Son, Paola, Kan. Poland Chinas
L. W. O'Keefe, Bucyrus, Kan. Poland Chinas
For information write C. E. HAYES, Genl. Mgr., PAOLA, KANSAS



German Coach
70—Horses—70

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

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

STALLION FOR SALE

Best Percheron in Kansas. Coal black, coming 3 years old, will mature 2600 and has the style of a coacher. Registered, sound and right in every way. \$750.00 buys him.

Sutton Farm, Lawrence, Kan.

JACKS AND JENNETS.

Kentucky Jacks and Saddlers
Fine Kentucky, Mammoth jacks with plenty of style, bone and weight. Saddle stallions, mares, colts and fillies. Buy your jacks and horses on the farms where they are bred. Home cured blingrass seed. COOK FARMS, Box F, Lexington, Ky.

HALEY'S STOCK FARM
For Sale: Three splendid jacks in service last season. Also one reg. Percheron stallion and a few good Percheron mares. Write **JAS. B. HALEY, HOPE, KANSAS**

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. SNYDER 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 18 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

35 Years A Breeder



For Sale

35 head Jacks and Jennets 14½ to 18 hands. These Jacks have all been raised here on our Farm in Kansas and are acclimated. We are not speculators but raise and sell our own stock. Also 1 Imp. Percheron Stallion and 1 grade Belgian Stallion.
M. H. Roller & Son, Circleville, Kan.

We Make Good Cuts!

The Mail and Breeze has the most complete plant in Kansas for the making of first class half-tone engravings and zinc etchings. Particular attention given to livestock and poultry illustrations for letterheads, newspaper advertisements and catalogues. Our cuts cannot be excelled and are guaranteed satisfactory. Lowest prices consistent with good work. Write for information.
THE MAIL AND BREEZE, Topeka, Kan.

We are all inclined to consider a man a fine fellow if he is a good listener to our hot air.

Where large amounts of corn are fed in hot weather look out for apoplexy and sudden deaths.

So many noted hogs as any offering ever presented at auction in Missouri. A big per cent of the fall yearlings, tried sows and big February gilts will be bred to the great boar Panorama, perhaps the greatest boar ever sired by old Expansion. He was first as senior yearling at Missouri State Fair and St. Joe Interstate. He sired Roubidoux, Elmer's 1200 pound boar; Advance, Haworth's boar; Expander, W. O. Garrett's herd boar; and Big King, one of the most talked of boars in Ohio and Illinois. Best King, the 1950 pound Nebraska boar, is also his son. His full brother, Expansion Sec, weighed 1125 pounds at 29 months. The dam of Panorama was Bess Corwin. One of the noted sows of the breed. Her dam was Lady Big Bone 2nd and her sire, Black Jumbo, by Tom Corwin 2d 35 8 and out of Graceful L., a daughter of old Tecumseh 671. All Poland China strains run to Tom Corwin 2d and Tecumseh. Whether it be Mouw's breeding, Expansion or even Perfection breeding, east or west, no breeder can say that his herd does not contain the breeding of these great sires. Bess Corwin produced a litter of fine pigs at 12 years old; her sire's sister was 11 years old and still working and so on back to Tom Corwin 2d and only a cross or two away. No living Poland China boar is closer up to the Corwins and Tecumsehs than the great Panorama. He is close to Graceful L., the first sow that ever sold for \$600. Twenty head of the offering are granddaughters of the 840 pound sow, O. K. Lady, one of Nebraska's prize winning sows. Twenty head are close up to Expansion, Sampson and are bred to The Giant Uhlman, a mammoth big boar of Big Bone Mouw breeding, with a strain of Giantess breeding. This offering is a select one and represents years of thought and energy. Everything in the sale is double immune. They will be both big and smooth with a line of ancestors that will ensure their future value as breeders. Write at once for catalog and if unable to attend send bids to Jesse Johnson in my care at Transit Hotel, South St. Joe, Mo.

S. E. Kan., S. Mo. and E. Okla.

BY C. H. HAY.

C. M. Howard of Hammond, Kan., one of the largest breeders of double standard Polled Durhams is offering for quick sale his splendid herd bull, Milton's Beauty 9338. This bull is very large, weighing around 2400 pounds when in show condition, has good back, loin, and bone. He is kind and gentle and an easy keeper. He was bred by J. H. Jennings of Streator, Ill. Mr. Howard states that his get are 100 per cent polled. Mr. Howard has to have another herd bull, so will give someone a good deal on this bull. He is offering six yearling bulls and a number of under yearling bulls, in fact anything you want in the Durham line can be found on this farm. Look up Mr. Howard's ad and write him about these cattle.

Owing to the very bad local conditions the D. A. Fawcett & Son jack sale was almost a failure. Some way the people did not seem to appreciate the class of jacks and stallions this breeder offered, and the result was Mr. Fawcett still has on hand the first five and best jacks cataloged. Also the imported black stallion, Rivoh. This horse is very close to a 2000 pound horse, and a good one. He is for sale or trade for one his equal. The jacks that are still in the herd are the best of the offering and are now for sale at prices that will make someone some money. Write Mr. Fawcett about these jacks, he will make you terms on them.

Buy Prize Winning Durocs.

In the herd of R. W. Taylor of Olean, Mo., are the blood lines of a great many Missouri State Fair champions and grand champions. In fact Mr. Taylor has not a hog on the place but what carries the blood of some great show hog. At present he is offering gilts bred for spring farrow. If you want a get a show sow and something you will be proud to own, write to Mr. Taylor about it.

Hogs and Prices Right.

It is quite possible that no other breeder has added to his credit as many ribbons in the same length of time as W. Z. Baker of Butler, Mo. He has proven to the public by his winnings and almost complete sweep at the state fairs and American Royal that he breeds a very superior quality of Poland. Mr. Baker is now offering his fall pigs. He has on hand an exceptionally good herd boar prospect, a pig that is fit to go in the best of company. Mr. Baker's prices are reasonable and his hogs are good.

Berkshire Sows and Gilts.

The Kelsier Farm of Perryville, Mo., has a new ad in this issue. They are offering sows and gilts bred to Starlight, Premier 6th and Rivaleer. Also fall weanling pigs. The Kelsier Farm Berkshires have been very successful in the eastern fairs where competition is very strong. We recommend that anyone interested in Berkshires write Kelsier Farm. They will give you a most complete description and send you a photo of any animal you wish. Their prices are within reach of all.

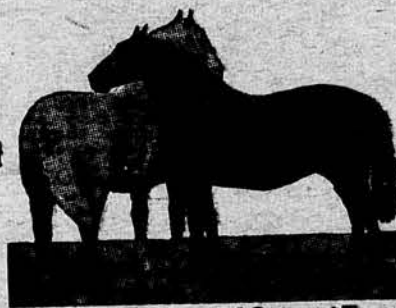
Defender Bred Gilts.

This week we again had the pleasure of looking over R. C. Watson's Durocs. And after looking over this herd and getting a line of the breeding, one cannot think but what it is only a matter of a short time until Altoona will be the Duroc center of this part of the country. Mr. Watson has in his lots a most commendable bunch of gilts. The selection of two gilts from this herd, and it was just like making a choice from so many silver dollars; so uniform is this bunch of gilts. Another big attraction here, is the boar to which these gilts are bred. Mr. Watson is one of, if not the only breeder in this territory who is using a Defender boar. Here is an exceptional opportunity to secure this much sought for Defender blood. These gilts will not last long. Send your order today.

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

I have just received a new shipment of 20 Stallions and now have

80-Head-80

Stallions, Mares, Fillies and Colts

WRITE FOR PRICES

C. W. Lamer, Salina, Kansas

PERCHERON STALLION, JACK and JENNET SALE

Cherokee, Oklahoma, Tuesday, January 26

4 Percheron Stallions the big draft type; good individuals, good sires and foal getters. Three are registered in Percheron Society of America; the other a French Draft. One is an imported horse, exceptional sire. All of mature age.

4 Good Mature Black Jacks 15 to 15½ hands. All but one in the 1,000 pound class, the kind you want if you want the good kind.

5 Jennets some with colt at side by Big Joe (both jack and jennet); others safe in foal.

Also 30 fine yearling white-face heifers; all by purebred registered sire. Write for particulars.

J. W. SPOON, CHEROKEE, OKLAHOMA
AUCTIONEERS—H. L. Burgess, Pete Powelson.
FIELDMAN—A. B. Hunter.

Publisher's News Notes

All readers of this paper who are interested in the purchase of fencing of any kind would do well to write the Interlocking Fence Co., Box 25, Morton, Ill., for their catalog. This company offers a very complete and practical line at interesting prices. A postal will bring their catalog. See the ad elsewhere in this issue.

Every one of our readers who is interested in farm, poultry and lawn fence and barbed wire, would do well to write Kitzman Bros., Box 52, Muncie, Ind., for their large, free catalog. They are one of the oldest manufacturers in the business and offer a large assortment at prices that are very interesting. Their advertisement appears elsewhere in this issue.

Experience Versus Theories

The best products manufactured today are those built on experience. Now, we will take as an example farm fence because this is an article that most all farmers buy every year. A fence built upon shop theories is one thing, but a fence built upon experience to meet the farmer's requirements, one that successfully stood the test for years and years, is quite another matter. The Colled Spring Fence Company, Box 258, Winchester, Ind., whose ad appears in this issue, is making a fence that is based upon experience. It contains many practical ideas of farmers themselves, as they have been selling it direct to the farmer for 28 years. The company has learned from experience what a farmer's fence ought to be to give satisfaction from a farmer's standpoint. You should write for the catalog.

\$25 Poultry Course Free.

Experienced poultry growers as well as beginners should write to the Des Moines Incubator Company, Des Moines, Iowa, for particulars regarding the \$25 course of poultry instruction which the company is offering free. These lessons are prepared by Mr. J. S. Gilcrest, president and general manager of the Des Moines Incubator Company, and life member of the American Poultry Association. They embody his wide practical experience of many years and the facts, methods and results which his exceptional opportunity enabled him to gather from successful poultrymen in all parts of the country. These lessons cover 20 subjects, such as: "How to Start in the Poultry Business," "Selection of Fowls," "Poultry Houses and Brood House Construction," "Mating and Breeding for Best Results," "Hatching," "Brooding," "Proper Care," "Feeding," "Many Different Feed Formulas," "How to Condition Poultry for Market," "How to Prepare Birds for the Showroom," "Diseases of Poultry," and "How to Raise Ducks, Geese, Turkeys." Write to Mr. Gilcrest. In reply he will send details regarding the offer of the course, and also new catalog of Successful Incubators and brooders. A postal will do. Your request does not put you under any obligation whatever, and it will bring information which has a money value at this time. Address J. S. Gilcrest, President Des Moines Incubator Company, 346 2nd St., Des Moines, Iowa.

Pumping Plants

(Continued from Page 3.)

engines operate with some low grade of oil such as 39 degree distillate. These oils cost only about one-third as much as gasoline and under ordinary field conditions it is possible to get practically as much power from the cheap distillate as from gasoline.

The area which irrigation pumping plants are able to irrigate is variable, depending upon the capacity of the plant and the character of the land and crops to be irrigated. The capacity of the plant should be from 5 to 10 gallons a minute for every acre of land to be irrigated. It is quite likely that with a plant of 800 gallons a minute a farmer would be able to irrigate more than 80 acres, since with the large volume of water a large head or flow would be available and the water could be applied economically.

Pumping plants having capacities of 500 gallons a minute or less should be supplied with a suitable reservoir in order to store the water until sufficient head is available for economical application. Pumping plants having capacities in excess of 500 gallons a minute do not, ordinarily, require reservoirs as the water can be pumped directly on the land to be irrigated.

The success of a plant depends largely upon the man who operates it. There is no way, mechanically, to overcome these "personal equations", and as long as we have single pumping plants it is impossible to have uniform success. In the districts where water is secured within reasonable depths the average farmer may expect to be successful if he observes the fundamental principles concerning the installing of single pumping plants. It must be remembered that aside from the mechanical problems successful irrigation depends largely upon properly applying the water, and upon proper methods of soil culture.

If a sheep has snuffles it is a sure sign of exposure or mismanagement somewhere.

Never yell at a horse, it reflects upon yourself.

Greatest Percheron Event of the West

Enid, Okla., Thursday, Feb. 11th

Under Auspices of Oklahoma Breeders Combination Sale, Feb. 9-12th

W. S. BOLES & SONS

Consign

Their regular annual sale date Feb. 18th has been cancelled and they will consign 18 head including 12 stallions and fillies by their great herd stallion, Hautain, grand champion at Kansas, Oklahoma and Arkansas State fairs; also 6 choice mares bred to this famous champion; among them a 1st prize winner at Kansas, Oklahoma and Arkansas State fairs.

J. H. JACKSON

Consigns

6 head including the four-year-old imported stallion, Kor, 1st prize winner Oklahoma, Texas and Louisiana State fairs, 1914; also a team of mares weighing 4410 pounds, both state fair winners. One a grand champion at two state fairs. All of Mr. Jackson's mares are bred to Albany 2nd, eight times grand champion at state fairs and national shows, and grand champion over all breeds at National Feeders' and Breeders' Show at Ft. Worth, Tex.

F. S. KIRK and OTHERS

Consign

3 fillies sired by the \$10,000 International grand champion Carnot, owned by W. S. Corsa, of Whitehall, Ill., one of them a prize winner at both Iowa and Illinois State fairs, also 7 extra good fillies bred to the famous Carnot; one wonderful 2-year-old, weighing over a ton. C. F. Cooper consigns 4 including an imported four-year-old stallion weighing over 2200 pounds, prize winner at Kansas State fair, also one of his fillies, winner at the same fair. F. N. Gardner consigns 3, 1 a 1900 pound 2-year-old stallion.

Think of it, 45 Percheron stallions and mares most of them sired by or bred to the champion stallions Albany 2nd, Hautain and the great International grand champion, Carnot. Write for a catalog of these richly bred Percherons. Address

F. S. KIRK, Mgr., Enid, Okla.

Percheron Dispersion Sale!

Wichita, Kan., Thursday, January 28th

In Sale Pavilion at Diver's Stock Yards rain or shine

33 HEAD, consisting of 15 stallions and 18 mares. Most of the mature females of this offering are sired by Castillon, an imported stallion weighing 2350 pounds and were raised on our Sumner County stock farm. The younger animals are sired by Mastodon, a stallion of equal size.

These Percherons range in age from weanlings to mature age and include 10 extra good three-year-old stallions together with 11 mares most all showing safe in foal to the imported stallion Farceur, which also sells. Everything sells without reserve and if you are not present sale day you will miss a great opportunity to buy high class Percherons, all registered in the Percheron Society of America. Write today for catalog.

SPOHR & SPOHR, Latham, Kansas

Auctioneers—Jno. D. Snyder, Boyd Newcom, Earl H. Jackson.
Fieldman—A. B. Hunter.

For Sale or Trade

Four Jacks, Nine Jennets, black with white points, and one Percheron stallion for sale or trade, for cattle or mules.
R. E. LUSHER, WEST LINE, MO.



GRANDVIEW JACK FARM
STOCKTON, KANSAS, (Rooks County)
At private sale: 18 mammoth jacks ranging in ages from serviceable jacks down to weanlings. All are black with white points and have bone, size and substance. Also 25 jennets in foal. Write for descriptions and prices, and visit my barn at Stockton. Visitors called for at Plainville. If you are looking for the best at reasonable prices write me. Cornelius McNulty, Stockton, Kan.

Annual Sale Jacks, Jennets and Mares

Columbia, Mo., Wednesday, Feb. 3rd. (Davis & Son's Barn)

25 Head Top Jacks; the admiration of the old Missouri jack breeders.
25 Head Missouri Bred Saddle Stallions and Mares; No better nor more popular breeding will sell in 1915.
Address all letters for catalog and other information to
A. E. Limerick & Sons, Columbia, Mo. E. D. Moore, Columbia, Mo.
Springdale Stock Farm Box 355

Duroc-Jersey Brood Sow Sale

STATE FAIR PRIZE WINNERS

Thompson, Wed., Feb. 3rd
Missouri
At Valley Stock Farm

36 head of as rich breeding as can be found: 6 are bred to Col. Bob 95711. He is by Col. S., and out of an Educator sow and has proven of such merit that we have used him five seasons. He is a brood sow sire of exceptional ability. 13 are bred to Beauty's Model (153503), he is by Beauty's Model Top and won first at Sedalia in 1914. He is producing the right sort. 8 are bred to Beauty's Model Again, a son of Beauty's Model, out of a Top Col. sow. We have picked this boar to head our show herd next year. 2 are bred to Model's Instructor, he by Beauty's Model and out of an Instructor sow, as large a pig as was raised this year. 5 open May gilts by Beauty's Model out of Col. Bob sows. Something good. 19 are by Col. Bob, the sire of much smoothness and uniformity. 10 are by Beauty's Model, the most popular senior yearling out this year. 4 are by sons of Col. Bob. One is by Crimson Wonder 3rd. One is by John's Ohio Chief, the only one to be sold in the West this season. Last but not least Col. Bob 95711, the boar which has builded our herd is selling because we find it impracticable to use him longer on account of using a number of his sows.

N. B. Free conveyance to and from the sale and entertainment at the Globe Hotel at Centralia, Mo. Parties who are unable to attend can send bids to Ed. R. Dorsey, in our care. For catalog and particulars, address

W. O. and B. A. SMITH, Thompson, Missouri
AUCTIONEERS—I. W. Holman and J. R. Brown.

Nineteenth Annual Duroc-Jersey Sale

to be held at Idlewild Farm, adjoining
Hersman, Ill., Friday, February 5
(BROWN COUNTY)

**Forty Sows Bred to Our Prospective
World Fair Winners, including:**

WORLD'S FAIR COL (59257), bred at "IDLEWILD," the splendid young hog that will go to San Francisco and be shown in the junior yearling class. This is one of the greatest of the breed for his age. Few possess the size and quality of this young hog. He is by Chief Col. 22875, by King of Cols. 16075 and his dam is a full sister to A's Defender, the grand champion of the Illinois State fair, by Defender and his second dam is by Ohio Chief. This young hog is that kind that one actually knows will grow out to be a masterpiece of his breed and one that will strike the fancy of all good judges.

RAJAH (59253) will be shown in the senior yearling class. He has the qualifications of Disturber for size and Crimson Wonder and Hellen Blazes for quality and the hog that beats Rajah will surely have to be a good one.

DISTURBER OF IDLEWILD (53691) will show in the aged class. He is an exact image of Disturber for size as well as all other qualities and his dam is Willetta XXI, a full sister to three State fair champion males all sired by Tippy Col., a full brother to King of Cols., and his second dam was a daughter of Orion Chief.

MC'S COL. (44795) or better known as PRINCE ALBERT (102673) will not be shown but will be used on this offering and on our own private herd sows. He is one of the largest and best individuals we ever owned and after we sold him for \$250 as a pig we kept track of him, until we finally secured him to take the place of Chief's Col.

REPEATER (39259) is the same age of Rajah; we will also fit him to take to the World's Fair and many good judges will like him best of the two on account of his extreme big bone, and he may yet be the larger of the two.

We have either bred or developed the following noted herd headers and State fair champions, Defender, Superba, A's Defender, Chief Col., Crimson Col., Fashion, Volunteer, Our Volunteer, Educator, Disturber, Bold's Crimson Wonder, Drafted, Col. Crimson, Chief's Col. 40th, Col. Beabout, Ring Master, Proud Col., and many others. The present herd and show males are the result of intermingling of this line of breeding.

This sale will follow W. O. and B. A. Smith's Sale of Thompson, Mo., and Dr. C. E. Still of Kirksville, Mo. Address all letters to

H. E. & B. F. BROWNING,
Hersman, Brown County, Illinois

Auctioneers—Fred Reppert, Judd McGowan and C. C. Farmer.
Fieldman—Ed. R. Dorsey, with the Capper Farm and Stock Journals.

Kinlock Sale Duroc-Jersey Brood Sows Kirksville, Mo., Feb. 4th

Forty-six 'great brood sows bred to Illustrator (42275). Ten excellent sows bred to Companion. Five fashionable sows bred to a son of Chief's Col. (22875). Five selects bred to a great son of Defender (25893).

Daughters of King Gano, Valley Chief Col., Proud Col., Cherry Chief, L. E. Col., Chief's Col., Golden Model VII, Crimson I Am, I Am A Crimson Wonder 2nd, Model Wonder, Sure A Wonder, Col. Chief 2nd, Advance Chief, Proud Professor, Mable's Wonder, Forest Chief, Orion Chief, Kentucky Orion, John's Ohio Chief, Volunteer, Orion's Model, Defender, Model Chief, Top Col., Oakland's Ohio Chief, Orion's Pal Disturber, Superba, Illustrator, L. E.'s Valley King, Sunshine Nugget, Golden Model and Joe Orion 2nd.

We are selling fifteen extra fine early summer and fall males.

Special Attractions

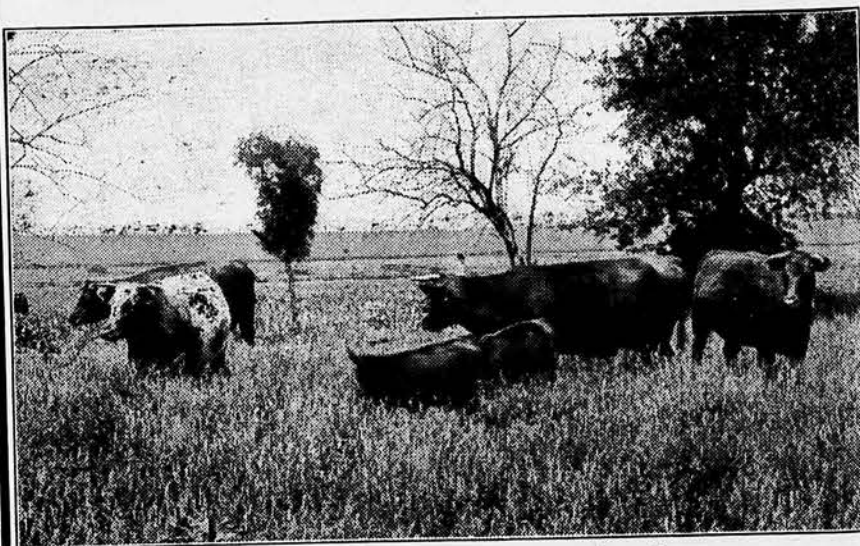
Four sows by Disturber, four by Cherry Chief, four by Superba, all bred to Illustrator (42275). We also sell the great sow TATTLE TALE XXXIV, the junior champion at the International at Chicago in 1913.

If you are interested in Duroc-Jersey hogs of the most royal breeding get my catalog. The fieldmen and breeders know I have spared no money in selecting my foundation herd. It was not the price but the hog.

DR. C. E. STILL, KIRKSVILLE, MO.

Fieldman, Ed. R. Dorsey, with the Capper Publications.

Garrison's Registered Shorthorns At Auction Summerfield, Kan., Wed., Feb. 3



This Type of Shorthorns Will Pay on Any Farm.

45 head of good, useful and practical cattle. 16 bulls ranging in age from 8 to 16 months. 18 choice young cows all of them from heavy milking strains. 12 heifers 9 to 18 months old. Half or more of the cows will have calves at foot, sired by the great pure Scotch bull, My Choice, grandson of Choice Goods, and the remainder will all be in calf to him. The heifers and young bulls are all by him. Much of the offering trace to cows that came direct from the noted Col. Casey herd and many of the cows in the sale were sired by Gold Coin, a very large and richly bred bull that won first in class at Nebraska State Fair in 1906. O. A. Tiller of Pawnee City, Neb., will consign three extra good young bulls and one Young Mary cow. The offering will be presented in ordinary flesh and without fitting. Write early for catalog to

A. B. GARRISON, Summerfield, Ks.

H. S. Duncan, Auctioneer. Jesse Johnson, Fieldman.

Two Big Bred Sow Sales—Attend Both With One Expense

Wiebe's Immune Poland China Sow Sale

At farm two miles from town

Beatrice, Neb., Friday, Feb. 5



40 Head, All of One Type and Properly Conditioned For Best Results—40
6 Tried Sows—24 Spring Gilts

Two-thirds sired by Taxpayer 2nd 68966 a boar of great merit. Others by Blue Valley Giant, son of Blue Valley, and Exception 2nd, by Blue Valley Exception. The tried sows are nearly all bred to Taxpayer 2nd and the gilts to Big Orange Wonder, son of Big Orange and out of Wonder 2nd. Others to A Wonder Sampson, by Sampson Jr., and out of a dam by Neb. Wonder. The offering is out of daughters of Blue Valley Giant, Cortland Quality, Logan E's Expansion, etc. The offering is uniform and will be presented in the best possible condition from the buyer's standpoint. Sale under cover. Write for catalog and either attend or send bids. Parties from a distance stop at Butler Hotel.

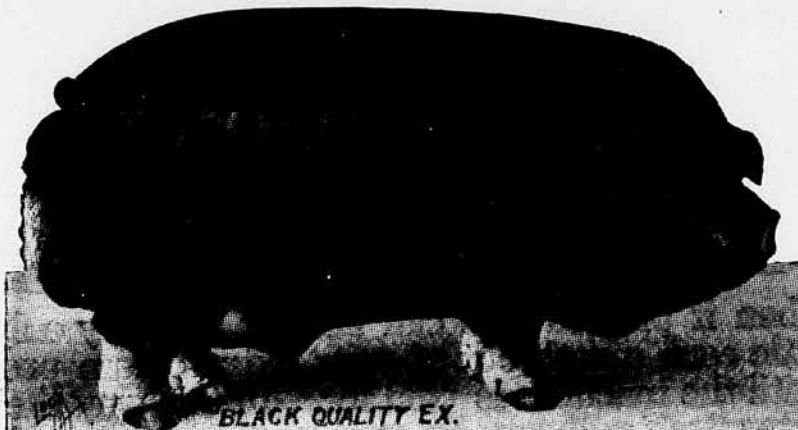
G. A. WIEBE, Beatrice, Nebraska

AUCTIONEER—Col. A. W. Thompson.

Combination Poland China Sow Sale

(Gage County)

Pickerell, Neb., Saturday, Feb. 6



40 Head, The Tops From Two of the Best Nebraska Herds—40
5 Tried Sows—10 Summer Yearlings—25 Big March Gilts

The offering was sired by Highland Chief, Big Logan, by Big Columbus, Highland Jumbo, Big Quality Ex. (son of Export Quality), Exception Blue Valley, and a few by Blue Valley Ex. Bred to Giantess Again, by Growthy King, a litter Bro. to Long King's Equal. Highland Jumbo, Black Quality Ex., second at Nebraska State fair this season, and others to Blue Valley Ex. We are each putting in twenty of our tops and know this breeding and individuality will please you. Write early for catalog. Sale under cover in town seven miles north of Beatrice. Free hotel accommodations and best of railroad service.

C. P. JONES, Cortland, Nebraska

BEN E. RIDGLEY, Pickerell, Nebraska

AUCTIONEER—B. E. Ridgley.

Jesse Johnson Will Attend Both Sales—Send Him Bids in Care of Party Making Sale

60 Head of Immune Poland China Bred Sows At Auction

At farm north of Superior, and near Cadams, Nebr.

Thursday, Feb. 4, 1915

3 Tried Sows—15 Fall Yearlings—42 March Gilts

20 head bred to the only **BIG BEN AMAZON** for March farrow. 25 bred to **PETER EXPANSION**, our Giantess-Long King-Expansion bred boar. The remainder of the offering will be bred to Jumbo, Jr., and Victors Prospect, which announcement needs no comment, as the breeding qualities of these boars are well established. A big per cent of the offering was sired by them and in breeding we have used our best judgment in so mating that the cross would strengthen the strong points already in evidence and correct deficiencies where any existed. The gilts by Big Ben are wonderful brood sow prospects and we feel sure will please our old and new customers. This is our best offering and everything is immune. We will also sell a few Registered **SHORTHORN** Bulls old enough for service, and a few heifers. Write for catalog and mention this paper. Free accommodations at Goodhue Hotel, Superior and Cadams' Hotel and transportation to and from farm from both towns.

Albert Smith & Sons, Superior, Neb.

Col. John Brennen, Col. W. C. Henderson, Auctioneers.

Jesse Johnson will represent this paper; send him bids in our care.

Dawson's Big Type Double Immune Sow Sale

South St. Joe, Mo. Sale Pavilion

Tuesday, February 9, '15

IN HORSE BARNS NEAR TRANSIT HOTEL



PANORAMA 53423 S. 177897A
AT CYRS—

50 Head of Dawson Type Poland China Bred Sows, Good in Every Way 50

20 head of fall yearlings and February, 1914, big gilts. All granddaughters of the 800 pound Nebraska prize sow, O. K. Lady and all bred to the great sire Panorama 53423, son of Expansion.

5 head same breeding bred to Buccaneer, the 1050 pound son of Panorama. 20 head of Expansion, Sampson and Defender bred sows and gilts, all bred to The Giant Uhlan, a 1200 pound product of Big Bone and Peter Mouw breeding. A young son of each Buccaneer and The Giant Uhlan will be sold; both prospective 1000 pound boars. They will be on exhibition to show breeding qualities of their sires.

The entire offering was double immune when young. No bigger or better offering will be sold in America in 1915. Write for catalog. Mention this paper.

PHIL DAWSON, Endicott, Nebraska

Auctioneers: Z. S. Branson, Lincoln, Neb.; Thos. E. Deem, Cameron, Mo., Col. Mansfield, Tarkio, Mo.

Jesse Johnson will represent this paper. Send bids to him in my care, Transit Hotel.

\$2 Brings You This Big LIFE-TIME GUARANTEED NEW BUTTERFLY Cream Separator

On 30 Days' Trial At Our Risk

Then if pleased you can keep it and pay only a little each month out of your extra cream profits until the machine is paid for. In this way the separator itself will earn its own cost—and more before you pay. You won't feel the cost at all. If you do not need a large capacity machine you can obtain a smaller one on payments as low as

Only \$2 a Month

No Interest to Pay—No Extras

The prices we quote include everything. You have no extras to pay—no interest. You buy direct from the manufacturer and save nearly half. We give **30 days' trial** on your own farm. During this time if you don't find the New Butterfly the lightest running, easiest cleaning and best all around separator on the market (regardless of price), you don't need to keep it. Just send it back at our expense and we will refund what you paid, including all freight charges both ways.

Used on More Than 30,000 Farms



Seven Years Old—Runs Like New

"The Butterfly Separator we purchased of you about seven years ago is still doing fine work. I recently took it apart and cleaned the gears with coal oil. Now it runs like a new machine and works as well as ever."
H. S. Stonebraker,
Kokomo, Indiana.

Twelve-Year-Old Girl Runs It

"We would not do without our Butterfly Separator or exchange it for all the other machines we have seen. Our little girl, 12 years old, runs it like a clock!"
Mrs. P. E. Rude, Ashland, Wis.

Made \$61.39 More from Same Cows

"We made \$78.61 worth of butter before we had the machine and in the same length of time we made with the Butterfly Separator \$140.00 worth of butter from the same number of cows."
Thos. S. Kermosky,
Point Aux Pins, Mich.

Lighter Running and Easier to Clean

"We don't see how we got along without the New Butterfly as long as we did. It runs lighter, is easier washed and kept clean than the higher priced machines in this neighborhood."
R. E. Morrison,
Ollie, Mont.

Top of
Milk
Tank
Is
Only
38 in.
From
the
Floor

Skimming
Device
Made of
Aluminum
One-piece
Easily
Cleaned

ALBAUGH-DOVER CO.,
2183 Marshall Blvd., Chicago

Gentlemen:—Without obligation on my part, please mail me your **free** Catalog Folder and full particulars regarding your special easy payment offer on the New Butterfly Cream Separator.

I keep.....cows.

Name

P. O.

State.....R.F.D.....

Fill Out Coupon
and MAIL TODAY

Why not get one of these big labor-saving, money-making machines while you have the opportunity to do so on this liberal self-earning plan? Let us send you our big new illustrated Catalog Folder showing all the machines we make and quoting lowest factory prices and easy payment terms. We will also mail you a book of letters from owners telling how the New Butterfly is helping them to make as high as \$100 a year extra profit from their cows. Sending coupon does not obligate you in any way. Write today.

ALBAUGH-DOVER CO.

Factories: 2183 Marshall Boulevard, CHICAGO, ILL.

NEW BUTTERFLY CREAM SEPARATORS

are the only ones having the patented one-piece aluminum skimming device, very easy to clean. Light-running vertical shafts, frictionless pivot, ball-bearings bathed in oil; low-down, self-draining milk tank; closed drip-proof and dust-proof bottom. Simplest and most sanitary machine on the market. Send for Catalog Folder.

(27)