

Twenty Pages

The

Price Five Cents

FARMERS MAIL AND BREEZE

Vol. 45.

July 3, 1915

No. 27.



THE FLAG and the American people stand for the only thing for which war can ever be justified—the right of every human being to life, liberty and the pursuit of happiness. In this we stand the spokesmen of humanity in the present world conflict. As a nation this is the vital principle of our national life, the very essence of our national honor, our covenant as a people with God. We are bound to keep it and to demand that others respect it. We are bound to follow it as we have and always will follow it wherever it leads. This is what the flag, in all its symbolism and beauty means to us; what America and Americans mean to the world. To this enlightened creed we, as Kansans, have always been committed.

As a people we are not for war. This nation has never been the aggressor in beginning a war. I say it proudly. It has never taken up the sword except when all other measures, then known to men have failed.

No other nation known to history has ever been so slow to anger, so loth to shed blood; so patient, so long-suffering, so level-headed under wrong, insult and aggression; nor when it must fight, so powerful and all-prevailing in self-defense. No other has ever treated a fallen foe so generously, so kindly, so nobly.

We stand for Peace; peace on earth, good will toward men—toward all men and all nations.

In this epochal, crucial year, God has given us the most glorious mission that ever came to a nation since Time began—the mission and the opportunity to encompass the downfall and extinction of war; to bring about the rise—o'er all the world—of the Light of Reason and the Reign of Law.

In this day and hour, on us more than on any other nation rests this mighty responsibility, that this vast and cruel war, this appalling sacrifice of human life and happiness, shall not have been in vain. Nothing else can ever justify it.

The great issue which dominates this world war is the crushing-out of militarism, the annihilation of war; or it means a whole world armed to the teeth, every nation mistrusting and plotting against another, the absolute certainty of more fearful, world wars, wars involving the whole of humanity—until man, so-called intelligent man, with his God-given powers of reason, can be made to see the utter futility, the utter insanity, the appalling waste and wickedness of organized murder, as a means of settling the disputes of nations.

Murder, spoliation, destruction, waste; ammunition, shot and shell, cannot keep the peace of nations. "Preparedness for war" was powerless to stay this great war in Europe. Recorded history is one long trail of blood and massacre. How plainly we see it. How emphatically all history declares it.

We should do nothing to render questionable the sincerity of our purposes in moving the end of war. God grant the American flag shall usher in that era of peace and good will among the nations which seems so just and reasonable.

On this day, sacred to the memory of American valor and human sacrifice let us again consecrate ourselves to the cause of humanity, justice and peace, that these great blessings shall come to a war-weary world and abide forever more.

ARTHUR CAPPER

Make Your Own Soap at Home



FOR better, purer, whiter soap—soap that cleans with half the scrubbing and rubbing—try making your own soap at home with

Lewis' Lye

"The Standard for Over 50 Years"



Our free booklet tells you how to do it quickly, easily and economically, either with Mrs. Robinson's famous recipe or Lewis' Lye method. Book also contains recipe for ever-ready, efficient and low-price washing solution. Send for it. Address
PENNSYLVANIA SALT MFG. CO.
Manufacturing Chemists
PHILADELPHIA

Stack Your Hay The Easiest Way



F. WYATT MFG. CO., 902 N. 5th St., SALINA, KANS.

Bale More Hay!

Use The BEST Hay Press Made—The "Missouri"

If you've ever seen a "Missouri" Power Hay Press in action, you know the reason for its great popularity—because the "Missouri" can make for itself better than we can talk for it! The "Missouri's" automobile chain drive is the ideal power transmission—and its speed of 18 to 25 strokes a minute gives an output of perfectly formed bales limited only by the amount of hay the fastest feeder can put into the press. Can be equipped with any standard make of gasoline or oil engine. The cost is perhaps much below what you would expect to pay for such superior service and materials. Write for new illustrated catalog and liberal selling plan.

Write for FREE BOOK
THE MISSOURI HAY PRESS CO.
Dept. 10,
MOBERLY, MISSOURI.

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—press prepaid. Write today. D. W. BEACH, Box 52, Spencer, Ind.

Write for FREE Booklet and Name of Nearest Dealer

You have put hard work and good money into your crop. Don't rob yourself of your right profit by selling when the market is lowest.

The Security Granary

Will insure you from fire loss and from damage by rats and mice. And it will save you insurance, storage and hauling expense.

The only granary that really ventilates grain. Corrugated sides 29 times stronger than plain. Strongest roof on the market, with separate rafter frame. Dormer manhole. Double doors. Built strong and good for a life time.

Mail the Coupon

Metal Products Company,
401 North Ninth St., Salina, Kan.
Please send me free Booklet and price, and name of nearest dealer.

Name.....

R.F.D..... Town.....

State.....

For the Taxpayers

The people of Kansas are beginning to get some real results from Governor Capper's plan to give the state a business administration based on merit, economy and efficiency. The governor sent to the legislature a message urging that the irrigation board created by the Democratic administration of two years ago, be abolished. He showed conclusively that \$30,000 had been wasted the last two years because the department was in the hands of politicians instead of practical irrigation men, and insisted, furthermore, that one man could do better work than three. The house voted to abolish the board, but the Democratic senate, which opposed every measure in the line of economy and efficiency proposed by Governor Capper, promptly buried the bill. A day or two before adjournment, Governor Capper sent word to the legislature that unless it abolished the political board and put the irrigation work under the management of a thoroughly competent man he would veto the entire appropriation for irrigation. This brought the senate to terms and the old board was legislated out of office. At the same time, the appointment was placed in the hands of the governor. He recently named J. W. Lough, who is known all over western Kansas as a man who has made a wonderful success of irrigation and is conceded to be the best man in the state for the job. If there is anything to be accomplished by irrigation in Kansas, Lough will get results. For five years he has made irrigation highly profitable on his own farm. But for Governor Capper's determined stand on this matter, three inexperienced men at \$2,000 a year each, would have continued on the pay roll for two years and the \$50,000 appropriation probably would have been thrown away.—From the Salina Journal.

A Form of Glanders?

We have a mare that has small sores like boils on the inside of the hind leg. As fast as one gets well another comes. Some men say it is a broken blood vessel. Can you tell me anything that will cure it?
Meriden, Kan. DEAN HENRY.

Sometimes sores on an animal's limbs indicate farcy, which is a form of glanders and a very dangerous disease. You should, therefore, have this animal tested for glanders and, if the test is a positive one, the State Live Stock Sanitary commissioner should be notified.

If the test is a negative one this animal may be suffering from one of the various fungous diseases. This means that the skin of the affected area is infected with a fungus which causes these sores. These latter conditions may usually be treated by applying, once a week, a 10 per cent solution of formaldehyde. The hair should be clipped carefully from around each sore before applying the medicine.

R. R. Dykstra.
Kansas State Agricultural College.

More Information on Corn

A new bulletin on corn has just been issued by the United States Department of Agriculture. It gives the results on 14 field stations, situated in the Great Plains area, which covers 10 states, Montana, North Dakota, South Dakota, Wyoming, Nebraska, Colorado, Kansas, Oklahoma, Texas and New Mexico.

No one method of seed-bed preparation stands out as essential to the corn production. Thus the prevailing conditions with relation to farm labor, farm capital, type of soil and weeds to be dealt with, are the prime factors in determining differences in practice. This bulletin, No. 219, gives detailed results of the experiments at each station. Copies of this publication may be had free, as long as the supply lasts, by people living in the Great Plains area, upon application to the Editor of the Division of Publications, United States Department of Agriculture, Washington, D. C.

"Out of the Mouths—"

"Please read me the poem you're reading, Mother?" begged a little boy sweetly.

"But I'm afraid it's too old for you, dear," his mother answered. "I'm afraid you wouldn't be able to understand it."
"Oh, yes I would," was the calm answer, "so long as you didn't try to explain."

Let not the sun go down upon thy mistakes.

To Increase Wheat Yields

What shall we do to increase the yields of wheat in this section? Should we use commercial fertilizers?
Turon, Kan. R. A. BROWN.

It is impossible to tell from a chemical analysis of the soil much about its fertilizer requirements. This is because the plant food found in the soil exists in two conditions: available and unavailable plant food. A chemical analysis will give us the total amount of plant food but will not show that which is available.

We have made analyses of all the soil types of Reno county and find that they are all well supplied with plant food elements. If your soil is, therefore, becoming unproductive, it is due to the plant food not being made available fast enough for the crops.

Plant food is made available by means of cultivation and by application of organic matter such as barnyard manure and straw. While commercial fertilizers, especially the ones supplying nitrogen, might increase the yield of wheat on ground that was poorly prepared for the crop and especially on soil that had not been manured and where wheat had been grown continuously without returning the wheat straw, I doubt very much if the increase in yield obtained by a fertilizer would prove profitable. We have experimented with fertilizers in different sections of Kansas and find that it is very seldom that a commercial fertilizer gives paying returns west of Manhattan except upon irrigated ground.

It would be my recommendation, therefore, to prepare your ground for wheat in a way that the largest possible supply of plant food will be liberated from the soil itself. In order to do this, the ground should be plowed or listed just as early in the summer as the work can be done and thoroughly cultivated after plowing up to seeding time. By thorough cultivation, I mean working the ground sufficiently to keep down volunteer wheat and weeds and to prevent the forming of too hard a crust on the surface. The ground should also be plowed or listed as deeply as possible. If you can plow from 6 to 7 inches deep it would be advisable, especially this season when Hessian fly is bad in parts of your county. Deep plowing will turn under the stubble and destroy many of the flies that would otherwise be killed.

You should make a practice of using all of the wheat straw and other organic matter produced upon your farm. Wheat straw will supply humus, which not only enables the soil to hold moisture, but also plant food. It liberates plant food from the soil itself, too. Any barnyard manure that is produced on the farm should be utilized by applying lightly as a top dressing on wheat or as a top dressing to ground that is to be planted to kafir or corn.

You will find that it will be helpful from the fertility standpoint to rotate your wheat ground with other crops. We find at this station that our soil is very much more productive where we are growing wheat in a rotation than it is on ground that is being cropped to wheat continuously.
L. E. Call.
Kansas State Agricultural College.

Kafir As a Pasture Crop

Is kafir adapted for pasture in this section?
Dodge City, Kan. J. E. McQUILLEN.

Kafir is not so satisfactory for pasture as a well adapted Sweet sorghum. Under close grazing the kafir does not recover so readily or branch out as abundantly from the stem close to the ground as does the Sweet sorghum. In Ford county Red Amber sorghum is one of the best if not the best that can be planted for pasture.

You probably will get the best results in planting by using an ordinary wheat drill, setting it to run from 4 to 5 pecks of sorghum or kafir seed.

If you are pasturing with hogs it is ready when it is about 6 inches high, but for other stock it should be allowed to get a little taller. Either the Sweet sorghum or kafir may be poisonous for pasture, especially after a dry period. This poison is most dangerous for cattle but does not seem to affect hogs.

S. C. George, 5 miles south of Dodge City, has some good Red Amber sorghum seed.
G. E. Thompson.

Kansas Experiment Station.

The farmer who conserves his best stock for breeding will profit greatly in the future.

Grand Detour "Junior"
two or three furrow
power-lift tractor plow.



SERVICE

Service that you can depend on year after year should be the deciding factor in purchasing your plow. The Grand Detour Plow Co. offers you the strongest assurance of dependable service and stability. Note the many important features of the Grand Detour "Junior";—light weight, power-lift, adjustable rigid tractor hitch, and detachable 3rd beam. Let us tell you more about it.

Grand Detour Power-Lift Plows

are recognized leaders in the plowing world. They represent the most modern improvements and are time, money and labor savers. Strength, lightness and dependability are built into the Grand Detour Plow. We want to send you complete information regarding our complete line of plows. Our booklet "Facts About Agriculture" also will be sent you for the asking.



Grand Detour Plow Co.,
(World's Oldest Plow Builders)
20 Depot Avenue, Dixon, Ill.

Store Your Wheat

Protect it for a better price! Store it in The New Tulsa Granary. Built of Yellow Pine—same as Tulsa Silos. Costs less than metal—nothing to rust out—will last as long as the house you live in.

The New Tulsa Granary

Has a capacity of 1,000 bushels; spouts for emptying in wagon or measure. Can be moved or stored; or used for small silo. Strongly hooped, and built for service. If your dealer cannot supply you, write us. Free pamphlets on Silos and Silage.

THE TULSA SILO COMPANY
Kansas City, Mo.

Butler Metal GRAIN BIN

CORRUGATED RAT-PROOF FIRE-PROOF

Safe, profitable place to store grain until favorable time to sell. Keeps grain perfectly. Large door, removable shoveling board, 2-foot sliding door for easy scooping. Ask for booklet showing letters from satisfied users.

BUTLER MANUFACTURING CO.
1304 Grand Ave., Kansas City, Mo.

Bale More Tons

CASE Hay Presses will last longer than any presses made and do very best work. Require 2 less men when equipped with CASE Hay Fork.

CASE Hay Presses

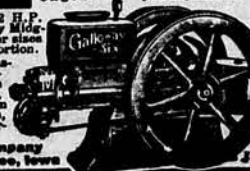
Two sizes—14 in. x 18 in. (3½ to 5 tons) and 17 in. x 22 in. (4 to 6 tons). Tremendously strong and durable. Simple and safe to operate. Mail postcard for Baling Press Catalog and prices.

J. I. CASE THRESHING MACHINE CO., Inc.
Dept. 813, Racine, Wis.

Prices Now Less Than Wholesale

\$17.95 Increased output, reduced cost, one small profit, makes lowest engine prices possible.

For 11-2 H.P. Galloway Midget. Other sizes in proportion. Guaranteed 6 H.P. Masterpiece, engine sensation of the world in material, construction, low price. Shipped from Kansas City, Co. Bufile, 1000. Chicago, Waterloo, Calmar, Iowa. Wm. Galloway Company Box 45 Waterloo, Iowa





THE FARMERS MAIL AND BREEZE

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



Volume 45
Number 27

TOPEKA, KANSAS, JULY 3, 1915

Subscription
\$1.00 a Year

Better Wheat For Reno

The County High School at Nickerson Is Leading
Toward a Permanent Farming System

By F. B. Nichols, Field Editor



DEEP, early preparation of the seedbed for wheat has given the best results on the fields of the Reno County High school at Nickerson. Some very fundamental work in growing this crop is being done there. This work is largely a duplication of the tests at Manhattan and Hays, planned by L. E. Call, professor of agronomy in the Kansas State Agricultural college, and designed to bring out the logical principles of producing this crop through a series of years. The work at Nickerson is in charge of A. S. Hull and L. C. Christie, of the agricultural department of the Reno County High school.

Several methods of preparing soil for wheat are used, which vary all the way from the very good to the especially poor systems. There are two series of plats, one under a continuous wheat system, and the other under a rotation. It is believed that there will be a very marked difference in yields in the future between the two series, with the increase in favor of the land under the rotation.

Deep, early plowing and early listing gave good results this year at Nickerson. Good wheat also has been produced on the land disked just after harvest and plowed or listed soon after. The poorest results came from the wheat where the soil was merely disked. Low yields also were obtained from the soil under the summer fallow, but this was because there was such an excess of soluble nitrates, or available plant food, and moisture in the soil that the crop made too rank a growth, and the plants fell down. On upland or on soils farther west summer fallow has given good results.

I was over these plats recently with Professor Call, Mr. Christie and Mr. Hull. Professor Call has taken a deep, personal interest in the work, and he was much pleased with the high yields obtained this year from the plats that were prepared properly. In speaking of the results, he said:

"The yields show that careful preparation of the seedbed for wheat in Reno county pays well. It will indicate it still more forcefully, however, in a season that is not so favorable as the present year; as it is in the unfavorable seasons that the greatest differences are obtained from the land prepared efficiently and that handled poorly. In considering the seedbed preparation for wheat or any other crop it must always be remembered that some seasons are so poor that low yields will be the rule no matter how well prepared the soil is, and that there are some years when the conditions are so favorable that fair yields will be obtained even on the land that has received almost no preparation. That was the case last year, for example—

a great deal of the wheat that was merely disked in gave good yields. It is not possible however, to base a cropping system on the results of one year. The average for a series of years should be considered."

Professor Call's plan has given good results at Nickerson. Plow or list the soil deeply soon after harvest, and if the acreage is so large that this prompt working is not possible the soil should be disked and plowed later. After listing or plowing the land should be worked repeatedly until seeding time, to kill the volunteer wheat, to promote the forming of available plant food and to conserve moisture. If the soil is handled in this way the conditions will be favorable for the wheat, for there usually will be an abundance of moisture and available plant food in the land, and the crop will make a rapid growth. Thus it will be possible to delay the seeding to almost the fly-free date at least, and yet have the crop make a prompt start and get well established by seeding time. A system of this kind will almost eliminate the damage from Hessian fly, if the stubble fields are plowed or listed so the insect cannot come from this source. It also will produce the highest yields in Kansas farming over a series of years no matter whether the Hessian fly is present or not.

Some very fundamental experiments in other lines are being carried on at Nickerson in addition to the seedbed preparation for wheat. Some especially important work has been done on variety tests for wheat—the yields on these plats varied all the way from 29 to 36 bushels an acre last season. Eighteen varieties of the sorghums and 17 kinds of corn are being grown this year, to determine their yields and general adaptation to the conditions in Reno county.

One of the main efforts of Mr. Christie in this work is to get a system of farming for that section

which will be permanent and at the same time the most profitable. Such a system of course must provide for a good cropping plan, and a rotation of corn, kafir, wheat, cowpeas for green manure and fallow has been started. Alfalfa seeding is being studied, as it is believed that the conditions in Reno county call for a large increase in the acreage of this legume, although there has been a considerable seeding already. Sweet clover, also, is receiving considerable attention. Then many other lines such as Sudan grass, potatoes and truck and fruit crops, are getting their full share of attention.

The farm has been especially valuable in providing a laboratory for the high school students. The results on all of the good methods of cropping now taught are available for study in the field. The farm also is attracting an increasing amount of interest from the farmers of that section. There has been an especially large number of visitors this year.

Another line of work which Mr. Christie is doing is the farm management survey study. This covers all the farms in that township. After it is completed the results will be classified, and the farmers will be supplied with this data. Thus they will have an accurate summary of the factors of profit in their own community.

A full four-year course in agriculture is taught in this high school. Reno county is leading in the effort to get good farm training for its boys, and its example could be followed with profit by all the other counties. It is true that some other counties are doing good work in teaching agriculture, but the number should be increased. Perhaps the most needed thing is a more general appreciation of the value of such training, so the farmers will demand that their business shall receive the proper attention in school work.

Mr. Christie has demonstrated that the high school

teacher of agriculture can be of vast benefit to his county in many ways other than with the work in the classroom. The results which he is getting with the school farm which by the way is self-supporting, so that it costs the farmers of the county nothing—show in a forceful way the importance of good farming systems.

"The big effort here should be to establish a system of farming that is permanent and at the same time is more profitable than at present," said Mr. Christie. "This means that a better rotation should be used, in which the legumes are featured, and that good cultivation should be the rule for all crops. Conditions are favorable, especially in the Arkansas valley, for the producing of high yields. The main effort here is to encourage the use of profitable methods."



An Exhibit of the Crops Produced at Nickerson, Mostly on the Farm of the Reno County High School. The Purpose on This Place Is to Develop a System of Permanent Agriculture.

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 electrotyped. New advertisements can be accepted any time Monday. The earlier orders and advertising copy are in our hands the better service we can give the advertiser.

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.....C. D. McCaskey
 Mr. 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

Rural Telephones

Several years ago a number of mutual telephone companies were organized in northeastern Kansas. After their formation 16 of these organizations entered into a reciprocal arrangement by which they exchanged free service with one another. This arrangement permitted the members of each company to have the benefit of the service of all the other companies.

The arrangement, as I am informed, worked with entire satisfaction for at least five years. Recently, however, at least one of the plants was taken over by an outsider who now wants to annul the former reciprocal arrangement and charge a toll rate for service with the other companies. This the members of the various companies feel will work a very considerable, and as they think, an unnecessary hardship on the farmers who make up most of the membership in these various companies. It also will be an inconvenience and very considerable expense to the business men of the towns who will be deprived to a considerable extent of the opportunity to communicate with their farmer customers. The farmer customers will be deprived of the opportunity of communicating with them also, without extra expense, as they have been accustomed to do.

So far as I can learn these various mutual companies were prosperous and were giving the patrons satisfactory service, better than they are likely to get under the new arrangement. Naturally these farmers object. They can see no good reason why an arrangement which has worked satisfactorily for a number of years should be disturbed and are asking that they have a hearing before the entire Utilities Commission in order that they may be given an opportunity to show why the old arrangements should not stand. They believe, whether justly or not I cannot say, that there is a plan on foot to drive the mutual companies out of business and get control of the territory by the Bell Telephone corporation.

Rural Credit Associations

I have received some inquiries concerning the Kansas Rural Credit association which is being formed and which has its headquarters at Emporia.

I can see no reason why the association if efficiently managed, as I think it will be, will not be of great benefit to its members. It is based on the co-operative principle, which I believe in. It is so guarded in its bylaws that I cannot see how it will be possible for a few individuals to get control of the organization. Each stockholder has one and only one vote regardless of the number of shares of stock he may own.

Briefly, the plan of this association, as I understand it, is this: The lending capital is obtained in two ways—first, by the sale of stock, and second, by the sale of debenture bonds bearing not to exceed 5 per cent interest. These bonds are to be sold in denominations of \$100 and multiples thereof and are secured by the capital stock of the association, the reserve fund and the mortgages held by the trust company organized in connection with the association and owned by the stockholders.

The limit of loans is to be 50 per cent of the appraised value of the land on which the loan is made. The interest charged on the loan is to be 5 per cent or less if it is found that debenture bonds can be floated at an interest rate of less than 5 per cent. In addition to the regular interest rate an amortization fee is collected at each interest-paying period that will be sufficient to pay the principal of the loan at the expiration of the loan period. If the loan is made for 30 years the interest rate will be 5 per cent per annum and the amortization will be 2 per cent. The 2 per cent will wipe out the principal of the loan at the end of 30 years, and also pay the expenses and profits of the association.

By way of illustration: The stockholder borrows \$1,000. He pays at the rate of 7 per cent per annum for 30 years. This amount, \$70 per annum, pays his interest and also the principal of the loan. He also will have the privilege of paying off his loan at any time after five years if he so desires.

One per cent on the principal of the loan will be charged to cover expenses and apply on dividends to stockholders. This is part of the 7 per cent. None but stockholders will be permitted to make loans.

The experience of such organizations in Europe shows that one-half of 1 per cent is sufficient to

pay all expenses of the organization and in addition pays a handsome profit on the stock. If this organization has the same experience, the interest rate to the borrower should be reduced to just that extent.

In saying that I believe this organization will prove to be a good thing I do not change at all my views on the money question. I firmly believe that the government of the United States should issue currency based on the property or credit of the people. I believe that the functions of postal banks should be enlarged so as to make them banks of both loan and deposit. I believe that the people should be permitted to deposit their securities in these banks and be permitted to establish a credit just as the depositor at a bank establishes a credit now and on that credit should be permitted to borrow up to the limit of safety, paying no more for the use of the money or credit extended him than the actual cost to the government.

Now when such a financial system as that is established this Rural Credit association will be, or should be, in position to take advantage of it. In other words, the association can in that event deposit its debenture bonds, backed as they will be by all the real estate securities held by the association, with the government and have issued to the association government currency at cost to be lent in turn to the members of the association. This, indeed, would be in line with what I have advocated.

But until a majority of our congress can be brought to favor such a financial policy the farmers are quite right in working up a plan, which will be the best they can do under present conditions. I believe the Rural Credit association supplies that plan. I feel sure that it will succeed if honestly and efficiently managed and I can see no reason why it will not be honestly and efficiently managed.

A Chance For Men Who Want Homes

J. S. Dean of this city has handed me a pamphlet sent out from Ft. Duchesne, Utah, giving the information that there are some 60,000 acres of land located in the Uinta Basin now ready to be sold to settlers on easy terms. I never have been in the Uinta Basin but it is said to be a very rich agricultural valley.

This land belongs to a former Indian reservation. The Indians have received their allotments. The surplus lands are the ones that are to be sold. The lands are under ditch supplied, it is claimed, with never failing water for irrigation purposes. The prices asked range from \$10 to \$20 an acre. The payments for the land will be made in four payments with 6 per cent interest on deferred payments.

In addition, this pamphlet states that there is a considerable amount of what are called "dead lands"—that is, lands that were allotted to Indians who are now dead, which are offered to desirable persons for lease for five years in consideration of the lessee fencing the land and placing it in a state of cultivation. The necessary wire for fencing the leased lands will be furnished the lessee free and he will be permitted to cut all the posts necessary from the Indian lands.

As I have said, I know nothing personally about this basin. Mr. Dean, who has been there, considers it very fine land and believes that here is an excellent opportunity for a man who has no land to get a home. If you want more information write Albert H. Kneale, Fort Duchesne, Utah.

Grandfather Clause Knocked Out

By a unanimous vote last week the Supreme Court of the United States declared the "Grandfather clause" in the Oklahoma constitution in violation of the Constitution of the United States.

Every man, unless he be steeped in prejudice to the extent that makes it impossible for him to reason fairly, will say that this is a just decision. The "Grandfather clause" was intended to annul the Constitution of the United States when it was enacted. While pretending to fix an educational qualification, which any state has a right to do, it made that qualification apply only to certain persons.

The Fifteenth Amendment to the Constitution of the United States provides that no citizen shall be deprived of the right of suffrage on account of race, color or previous condition of servitude. The Grandfather clause violated that provision and was made confessedly for that purpose.

It is manifestly unjust that a man should be de-

prived of the rights of citizenship simply because he happens to have a dark skin. In Oklahoma there was not even the excuse that there was danger of negro domination, for considerably less than 10 per cent of the population of the state is composed of negroes.

The provision was put in the Oklahoma constitution solely at the demand of race prejudice. At that it was not fairly administered. The educational tests were so applied to negroes that it was next to impossible to come up to them no matter how well educated the negro voter might be.

The Editor's Figures Were Wrong

In the last issue I gave some figures on the probable cost of building concrete roads. Evidently my figuring machinery was out of gear. I stated that the cost of making a concrete road 21 feet wide at a rate of 80 cents a square yard would be approximately \$9,000 a mile, not counting cost of bridges. As a matter of fact the cost a mile exclusive of bridges would be between \$4,200 and \$4,300, to be exact \$4,224 a mile. Adding to this \$1,000 a mile to cover cost of bridges and \$778 to cover cost of extra heavy grades we have a total cost of \$6,000 a mile for a perfectly made 21-foot concrete road.

Experience, I am certain, would demonstrate that with a system of such roads farmers could haul their own products to market with motor trucks at one-half the present freight rates.

The Thirty Years War

Editor The Farmers Mail and Breeze—Please give brief summary of the Thirty Years war; cause, nations involved, dates and the result.

Dwight, Kan. A. W. SMITH.

The Thirty Years war was really a succession of wars lasting from 1618 to 1648. It was a war or succession of wars over religion, mixed with desires for personal aggrandizement and increase of national power. It has always been called a struggle between Catholics and Protestants.

By the treaty of Augsburg, 1555, each of the German states was permitted to determine the nature of its national religion. All subjects were to be permitted to remove from the states in which their religion was forbidden to states in which it was officially sanctioned. As might have been foreseen however, that arrangement did not prove satisfactory. Catholics did not want to move from their homes where they had been born, to other states and neither did Protestants.

In 1608 the Protestants formed what was called the Evangelical Union and the next year the Catholics formed the Catholic League. In 1617 Ferdinand was crowned king of Bohemia. He had been educated by the Jesuits and was a bigoted Catholic. He commenced persecutions of the Protestants. An insurrection followed. Ferdinand was succeeded in 1619 by a Protestant king, Frederick V, who became the leader of the Protestants in the war with Bavaria.

Spain, the leading Catholic power, was soon involved. A Spanish army under Spinola ravaged a large amount of country which is now a part of Germany, then called the Lower Palatinate, and defeated the Protestants with great slaughter. In 1621 for a time the tables were turned.

The Protestants under command of Count Mansfield, and Duke Christian, of Brunswick, defeated the Catholics but in 1622 the great General Tilly utterly routed both these commanders.

The next chapter in the thirty years of horror was called the Danish-Saxon war which lasted from 1624 to 1629. King Christian IV of Denmark joined with Mansfield and Christian of Brunswick and marched to meet the army of Ferdinand of Spain, led by Tilly. Again the Protestants were defeated but Mansfield, the most stubborn fighter of his age, refused to quit. He seems to have been a man who never knew when he was licked. So he fought on independently although Tilly overran northern Germany and Denmark and compelled the Danish king to sign a treaty of peace in 1629.

In 1630 Gustavus Adolphus, perhaps the greatest general Sweden ever has produced, got into the war. On July 4, 1630, he landed with a Swedish army at Usedom, drove the Imperialists out of Mecklenburg and Pomerania and formed alliances with several minor Protestant powers. For the first time Tilly met his match in Gustavus Adolphus and on Sep-

tember 17, 1631, at the desperate battle of Breitenfeld, the army of Tilly was nearly annihilated.

Gustavus Adolphus was killed in the battle of Lutzen, November 16, 1632. The so-called Danish-Saxon war nominally ended in 1635 but it was immediately followed by the French-Swedish war which lasted for 12 years. By this time the war had become political rather than religious. Catholic France united with Protestant Sweden while Protestant Denmark united with Catholic Spain.

The war ended with the peace of Westphalia, October 24, 1648. When it ended most of Europe was desolate. The population was nearly a third less than it was at the beginning of the succession of wars. Fields were laid waste and persons everywhere were starving. Germany was disintegrated. Not only were the people of most of Europe reduced to awful depths of poverty but they had declined mentally and morally. It took Europe 200 years to recover from the effects of that long period of savage slaughter and devastation.

Shipment of Munitions of War

Editor The Farmers Mail and Breeze—In your Passing Comment you take a decided stand against militarism and you also are an advocate of peace. However, I have failed to notice any protest from you against the exportation of arms to the belligerents. It seems strangely inconsistent on the part of our country to demand of the factions in Mexico to get together and make peace and at the same time allow arms and ammunition to be sent to them. It is still worse and more unjust to furnish them merely to one side and still claim to be neutral.

The plea that it would be unneutral to stop that traffic at present is so flimsy that I cannot understand how otherwise sensible and just men and men of affairs can entertain it. It seems to me that editors of most papers studiously avoid committing themselves in this matter. The cause of this is perhaps a consciousness of the glaring inconsistency of advocating peace and at the same time conniving at the exportation of arms and ammunition. I should like to hear what stand the editor of Passing Comment takes on this question.

Haven, Kan.

C. HAFNER.

In this connection I have another letter here from C. P. Lawson, of Avoca, Tex. He says:

Editor The Farmers Mail and Breeze—The Lusitania catastrophe is uppermost in the American mind and we must admit that it was a grave happening. But why even if they were acting within their rights did those Americans take passage on an English ammunition ship that was threatened with destruction?

Does it not seem that they were looking for adventure?

Those lives are lost and through the chances they took have put the United States and Germany in a tense situation that may even bring on a bloody war. Under the circumstances, should Americans take those chances?

Mr. Editor, I always have understood you to be an advocate of peace and yet you say that Wilson has stated the Lusitania's trouble to Germany in a most masterly manner.

Permit me to differ with you there, and here are my reasons for so doing:

Mexico has murdered a number of Americans, yes and some of them on Texas soil. Wilson has been asked for protection. And yet it's the same old song, Mexicans murdering Americans. Our government has sent Mexico a few half-hearted protests, which has not improved the matter. Let us treat all nations alike.

Our President sent a weak protest to England last February regarding her interference with American commerce and so far she has not granted our request. She has not even answered our note. England tells Uncle Sam what he must and must not do. She insults our flag by flying her on English ships.

England has caused us more trouble than any other country and yet our government seems to stand firmly for that country. I say treat them all alike. If Germany had caused us as much trouble as Mexico and England it is almost certain we would now be at war with that country. Germany always has been friendly to us. Wilson sent a note to Germany next thing to an ultimatum, putting demands to which if she refuses to submit, there can hardly be any other alternative than to fight or lose some of that much-praised honor. I think W. J. Bryan's policy on the Lusitania trouble by far the best and honor to him for his good efforts.

Why does not Wilson live up to the peace plans he put before Germany, the principle of which she accepted? Those plans were to investigate all disputes and a year's time was allowed for such investigation. And now this country disregards her own agreements. Are we any better than Europe? Our country has prayed for peace, and preached disarmament and now we turn as a nation from all our professions and send one ship load after another of weapons to murder our brothers who never have done us any wrong.

If I sell a gun to a man knowing he will murder another, am I not then an accomplice in that murder? Most surely all blood that has flowed from American guns will sure as fate come back on us one way or the other, for most surely this is a hellish crime against humanity. And to think how easy it would be to stop it. The neutral countries of Europe do not allow shipment of arms to the fighting nations. If we would do likewise the war would be ended in a very short time.

You say selling war supplies to fighting nations is an old custom. You are right. But we have talked peace at almost any price, and now we have not enough respect for humanity to break with an old custom. Then how can we ever hope to break away from a sin that is handed down to us since Cain slew Abel? So we may as well stop our peace talk for by it we are mocking God and humanity and no one can prove the contrary. If I pile fuel on a fire and then get on my knees and pray the Lord to put out the flame am I not then mocking God, am I not a hypocrite?

During this war in Mexico, Wilson put an embargo on shipment of arms to that country. Why would not the same work regarding Europe? I say there is no human excuse, not one.

You once said that the wrongs England had done in the past did not justify Germany in doing the same now. And here is where I will use the same words. What the United States or any other land has done in the past in the way of selling war equipments to fighting nations does not justify our doing now. I would like very much

to have you write on this subject. I think it is our duty to humanity.

Now about the note to Germany: If we must be strict with Germany then why not treat Mexico and other countries just as strictly, or is it possible that Americans murdered by Mexicans were not worth as much life for life as those drowned by Germans? We call the German acts inhuman. But our act in shipping guns to prolong the war is much more inhuman.

I want a square deal for all. Mr. McNeal, you have said that Germany was prepared to the fullest extent for war and why not? She has three mighty lands that are her enemies and she knew that in event of war with them that they would control the seas and also control the United States. You always have been fair in all other things and I hope to see you treat these arguments in a fair and unprejudiced manner.

Avoca, Tex.

C. P. LAWSON.

As both these letters treat of the same subject and as both writers evidently agree, I will answer both together.

First, I have not tried to evade stating my position on the subject of exportation of arms. Both these gentlemen ought to know, although they do not seem to know, that President Wilson has not the authority to declare an embargo on the shipment of arms. That is the province of congress and not of the President. In this connection I might say there is a vast amount of misinformation concerning the embargo that was placed on the exportation of arms to Mexico.

Mr. Lawson says that President Wilson placed an embargo on the shipment of arms and munitions of war to Mexico. He did nothing of the kind. As a matter of fact he took off the embargo which had been placed on the exportation of arms to that country by President Taft. Now what are the facts in the case?

On March 14, 1912, at the request of President Taft, congress passed a resolution which declared "that whenever the President shall find that in any American country, conditions of domestic violence exist which are promoted by the use of arms or munitions of war from any place in the United States and shall make proclamation thereof it shall be unlawful to export, except under such limitations and exceptions as the President shall prescribe, any arms or munitions of war from any place in the United States to such country until otherwise ordered by the President or by Congress."

On March 24 the regulation was modified by excepting the Mexican government.

When President Wilson took his seat he refused to recognize the government of Huerta. This placed the insurgents on equal terms with the Huerta government. President Wilson saw fit to raise the embargo which permitted both sides to purchase all the arms and munitions they were able to pay for. It should be remembered however, that both President Taft and President Wilson did only what they were authorized to do by special act of congress.

I may say that I have not been able at all times to see the wisdom of President Wilson's policy in regard to Mexico. It has seemed to me to be vacillating and not tending to bring peace to Mexico. That however, has nothing to do with his policy in regard to the warring powers in Europe except that it sets at rest the assumption that he has the authority to declare an embargo on the shipment of arms to the belligerent powers. He has no such authority and I am weary of having it stated to me by persons who ought to know better, that he has any such authority.

Now as to my own position. I would favor a law forbidding the exportation of arms and munitions of war to any foreign country. I would go further if I had the power. I would forbid the manufacture of cannon and shells. However, there would be no sense in forbidding the exportation of arms and munitions to the belligerent nations alone. That would mean simply that first they would be shipped to some other nation and from there reshipped to Europe.

I do not know where Mr. Lawson got his information that all the neutral nations in Europe have forbidden the sending of arms and munitions to any of the belligerent nations. I am of the opinion that his information concerning that is about as nearly accurate as his statement concerning the shipment of arms to Mexico. If however, that is true of any or all of the neutral nations of Europe, it certainly is not true of any nation on this side of the Atlantic.

It frequently has been stated that if this nation had placed an embargo on the exportation of arms to the allies the war would have been over long ago. That means of course that Germany would have conquered and of course the allies in that event could have claimed with as much justice that the United States had helped Germany to defeat them as Germany can claim that this country is in league with the allies.

I observe a curious inconsistency on the part of most of those whose sympathies are with Germany. On the one hand they concede that the various allies were not prepared for war, otherwise there would have been no need of their sending to the United States for munitions of war, while on the other hand they defend Germany for making complete preparation to make war on her neighbors. In other words, according to their logic it is entirely right for Germany to make any amount of preparation to destroy Great Britain, France and Russia, but all wrong for these nations, confessedly taken unprepared, to buy arms and munitions when attacked.

Mr. Lawson insists that Great Britain is using the American flag to protect English ships. The facts do not bear him out even here. It is true that several months ago a British ship did run up the American flag. Protest was made immediately by our

government and since then I have not seen where it was asserted even by the German government that the offense had been repeated.

"This nation," says Mr. Lawson, "should treat all alike." Certainly. And if ever Great Britain deliberately sinks without warning a merchant ship on which are American citizens, Mr. Lawson will see how quickly the sentiment of this country will turn against England.

There was not in either note sent to Germany a threat of war. All that was asked was that Germany conform to the recognized rules of so-called civilized warfare and cease from sinking defenseless ships without first giving the noncombatants an opportunity to reach a place of safety.

On the Lusitania were more than 50 innocent children and more than that number of women. The German government was aware of the character of the passenger list because it asserts that they had been warned. Even after the berths were taken a second warning was sent. This is urged as justification for the sinking. Then when the ship was sunk the German government knew that it was sending defenseless women and children to death. That was cold blooded murder and I confess that I have little patience with any one who defends or excuses it.

All that President Wilson's note asks is that Germany refrain from this sort of murder. Would Mr. Lawson have us sit quietly without protest for a year while Germany or any other nation continues to violate international law, the rules of war and every tenet of common humanity?

Lincoln's Proclamation

Editor The Farmers Mail and Breeze—I notice that when any person wants information on any subject he writes to the Farmers Mail and Breeze and in the next issue comes the desired information in plain English. So please help me out.

I know that on September 22, 1862, President Lincoln issued a threat that in 100 days he would issue a proclamation freeing all slaves held in the states then in open rebellion against the United States. On January 1, 1863, he did so issue the proclamation, mentioning some states then in rebellion and exempting some of the states in which slavery then existed.

How, when and by whom were these exempted slaves freed? Was it necessary that there should be an act of congress to legalize Lincoln's proclamation?

Salina, Kan.

LUKE F. PARSONS.

Lincoln's proclamation did not destroy the institution of slavery. It was issued as a war measure and did in fact free the slaves in the Confederate territory where the Union armies were in possession. Of the slave states still remaining in the Union, Missouri and Maryland freed their slaves by legislative act, Missouri in June, 1863, and Maryland in October, 1864. In January, 1865, congress by the necessary two-thirds majority submitted the 13th amendment to the Constitution, abolishing slavery in all parts of the United States. The amendment was ratified by the necessary number of states and declared to be in force in December, 1865.

As I said, the proclamation of the President did not abolish the institution of slavery, hence it was necessary that the several states abolish it or that it be abolished by an amendment to the Constitution of the United States.

Why I Shy at Religious Discussions

Editor The Farmers Mail and Breeze—I note what you say in "Passing Comment," in the June 12 issue of the Farmers Mail and Breeze, touching questions of religion. Now just why you shy at religious discussions in your very excellent paper I cannot understand. Are we afraid to let the Bible light be turned on? If the Bible is divine and God has spoken through it to man it cannot be that God is the author of all the sectarian confusion now in the world. It seems to me that you should allow religious discussion requiring writers to deal in "Thus saith the Lord" and not in the doctrines and commandments of men. You need not have any fear of your columns being swamped.

Peck, Kan.

R. J. HUKLE.

There would be no objection to a fair and temperate discussion of the principles of religion, for that matter of all religions, if the writers would confine themselves to a temperate and kindly presentation of their views. I regret to say however, that I have found from a good many years' experience that very few of them will do that. Most of them do not seem to be able to lay aside their sectarianism. The radical Protestant will insist on bitterly attacking the Catholic church and the radical Catholic on the other hand will reply in the same spirit.

Such discussions do not, in my opinion, tend to spread the doctrines of love and charity taught by the Nazarene. On the other hand, they do tend to breed hate and bitterness. That is the reason why I "shy at religious discussions."

Spray the Trees

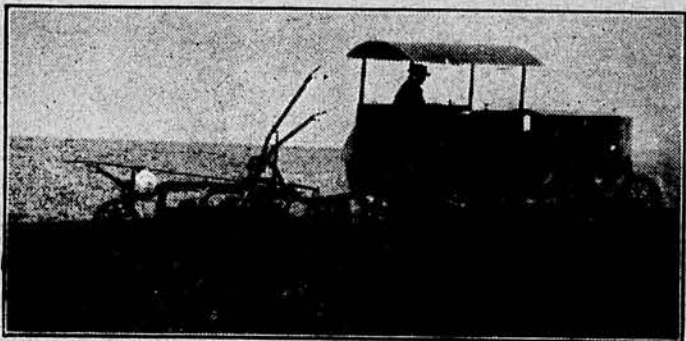
Editor The Farmers Mail and Breeze—I should like to see a law passed by the next legislature compelling every tree owner to spray his trees, both fruit and forest trees. If we do not we soon will have neither fruit nor forest trees. The canker worm is killing them by the thousand.

I do not own trees myself, but am very much interested in them. I have worked among trees for 40 years and have been a close observer of their different insect enemies. The canker worm and the tent caterpillar are the two worst pests we have to contend with among the forest trees. They are worse than the flat headed borers.

The state should help the farmer to save his trees. While saving the trees it would afford employment for thousands who would be glad of the opportunity to earn an honest living.

Burns, Kan.

H. W. METCALF.



Courtesy of the Heider Mfg. Company.

Farmers are coming from other states to see this mammoth gathering of farm tractors.

And it will be worth going hundreds of miles to see. A 1000-acre field will be plowed. All the Standard makes and sizes of tractors will be at work under normal farm conditions.

Thirty-seven great tractor and plow concerns are entered, several with 5 tractors each, more than have ever before taken part in an exhibit of this kind. One tractor will pull a gang plow of 24 bottoms. Another will show an electric self starter and electric lights for tractors.

The farm tractor is revolutionizing farming. It does the work of several horses,—does it better, does it quicker and does it cheaper. It makes possible better tillage and bigger yields. It gets a big lot of work out of the way in a hurry and it does it right. This exhibit is not for the large

scale farmer merely, but for the average farmer. You will learn here what tractor is suited to your farm.

Combine business and fun in this after-harvest outing. Rest your body. Ginger up your mind. Get in touch with the biggest new thing in farming.

EVERYTHING IS FREE. Band concerts and lectures by tractor authorities in the evening. A Free Smoker for everybody by the Hutchinson business men. Hutchinson is preparing a royal welcome for the immense crowds. Plan now to come.

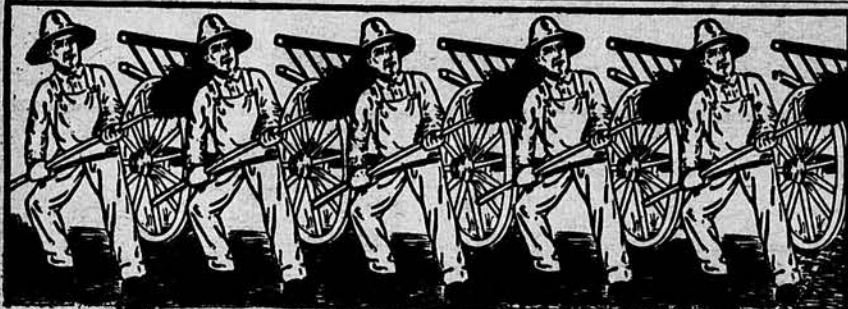
The Kansas Traction Plowing Exhibit

At Hutchinson, Kansas, July 19 to 24

Under the Management of the Kansas Agricultural College, Hutchinson Commercial Club, Kansas Farmer and Farmers Mail and Breeze

W. Y. MORGAN, Pres.,
Hutchinson, Kansas

DEAN A. A. POTTER, Sec.,
K. S. A. C., Manhattan Kansas



Does the Work of Five Men

Up it goes—the spreader half full at one clip. Then gently down, ready for the second hoist. It's easy, simple and quick.

It puts horse muscle in place of man muscle. Instead of the horses standing still while you sweat, they do the lifting.

The Anderson Manure Loader

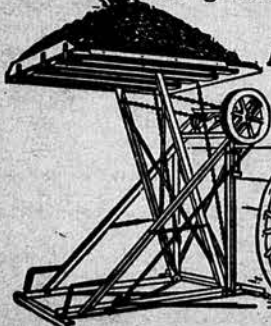
Works anywhere—in the barn yard or feed lot. It is not an experiment but has been on the market for two years, and is in use from Texas to Minnesota. I get letters like this one about every day:

"No farmer can afford to be without the Anderson Loader. One man can handle as much manure with it as five men in the old way"—M. CARTON

Success and profits depend on saving instead of wasting. The Anderson Loader prevents waste of valuable fertilizer, that would build your soil and double your crops—and waste of time and money in the old expensive hand labor method. It is economy and common sense. Send your address and let me send you my free Illustrated Circular, telling all about this labor saving machine.

FRED E. ANDERSON, Mgr.

Anderson Mfg. Company
530 Market St., Osgo City, Kan.



Harvest Is Much Easier Now

Inventors Have Worked 3000 Years on Reaping Machinery

BY F. B. NICHOLS, Field Editor

THE fine, modern harvesting machinery which we use in Kansas today has been perfected only in recent years, but the idea is old. Men were working on harvesting machinery 3000 years ago. The record of the first machine, so far as I can discover, is on an engraving on stone in the museum of the agricultural college at Ungarisch Altenburg, on the Danube River, not far from Vienna in Europe. C. W. Marsh, an authority on agricultural implements, who has seen this engraving, said:

"This machine had a revolving perpendicular base drum, carrying a projecting circular knife at its base, and a rim at the top notched to catch and carry the heads of the cut grain. This rim operated on the butts as the drum revolved, to deliver the swath outside the line of cut. The machine had shafts that reached back to where the animal was hitched. Taken altogether, it was a contrivance that might have worked fairly well."

Pliny, a famous writer of Roman times, mentions a machine that is somewhat similar to the one described by

better; there is no danger of it molding at the bands.

John E. Heath of Warren, Ohio, made the first attempt on record to bind grain by machinery. His patent bore the date of July 22, 1850. His machine worked fairly well, but he never got very far with it. He sold the patent right for \$4,000 to S. H. Tudor the following year, and got out of the manufacturing game. He seems to have had in mind the old saying about a bird in the hand being worth two in the bush, and he wished to realize some sure money. He perhaps was wise in this, for where one man has made a great success in the agricultural manufacturing game there are thousands who have failed.

The next patent on a binder was granted to Watson, Renwick & Watson in 1852, and this was a fearful and wonderful machine. The specifications are very long, and the machine was far too complex. Another patent was obtained two years later by these two men on a machine that worked somewhat better. Allen Shirwood of Auburn, N. Y., took out a patent in 1858 on a wire



The Developing of the Modern, Efficient Harvesting Machinery Has Made This Hard Work With a Cradle Unnecessary, Fortunately.

Mr. Marsh. But after the dark ages came in Europe men seemed to prefer to fight each other instead of working on the invention of agricultural implements. But finally after the world had passed out of the dark ages, more time was available for peaceful work. The first English patent on a reaping machine was obtained by Joseph Boyce in 1799, and it is remarkable only in that it was the first. John Gladstone, in 1806, produced a reaper that was mounted on two wheels and drawn from the front, with a side cutting apparatus. Many English inventors worked on this machinery in the following years, but the American workers also were busy.

The first American patent along this line, so far as the record shows, was issued to Richard French and T. J. Hawkins of New Jersey in 1803. Several important inventions are on record in the following years, but there was nothing that attracted much attention until June 21, 1834, when Cyrus H. McCormick of Virginia, got a patent on a reaper. Mr. McCormick built only a few reapers on his first patent, and they were not very practical at first. But in 1845 he went to Brockport, N. Y., and arranged with the manufacturing firm of Seymour & Morgan to make his machine. One hundred machines were built in 1846, and they were fairly successful. Mr. McCormick soon went to Chicago, where he started his wonderful manufacturing career that made his name famous throughout the world.

There are thousands of reapers that were made in the following years, and they became increasingly efficient. It was many years after Mr. McCormick got into the manufacturing game before binders began to take the place of the reapers; and indeed they have not altogether done so today, for some self-rakes still are made. They are used to some extent in Kansas to cut oats, Sweet clover and other crops. Some men prefer a self-rake for cutting oats, for as a rule the straw will cure out

binder; the first patents had been on twine binders.

A good many inventors worked on the binders that year, especially on the binding device. W. L. Childs, of New York, patented a twine-binder that had considerable merit and J. Mitchell was granted a patent for an automatic strawbinder. The next year A. Ralson of Pennsylvania, obtained a patent for an attendant to bind the straw. This machine became very popular in the following years.

From this time on the inventions were mostly a march toward perfection. A little ground has been gained every year, and the binders are becoming increasingly efficient with the coming of the years.

Where the Dollar Goes

The Country Gentleman gives an illustration of some figures submitted at a recent fruit trade convention, which show what becomes of the dollar the consumer pays for soil products in his corner grocery store. These figures were averaged from citrus fruit transactions extending over a whole year, involving more than 5,000 sales.

"The dollar was split three ways—between the grower, the transportation company and the merchant. The grower got back 36.1 cents gross. Out of that he had to pay 2.4 cents for picking and hauling the fruit to the packing house and 7.4 cents for box, packing, and loading on cars. This left him 26.3 cents for his fruit on the tree, out of which he had to meet all growing costs. There was a selling expense through the organization of 1.5 cents. The railroad company took one-fifth or 20.5 cents. The trade took the remaining 41.9 cents, the commission man got 8.2 cents, and the retailer for his work in putting the fruit in a paper bag and handing it over the counter to the consumer, got 33.7 cents."

All Bets Are Off In Farming

Plans for This Season Must Be Rearranged

BY HARLEY HATCH

ALL OUR crop plans for this year will have to be rearranged. Rather we may say that we no longer have plans. In a casual way we think that if the weather gets better we may get some feterita planted and possibly we may plant a bushel of 90-day corn. Further than that we do not plan. Nothing promises well in the crop line here except prairie grass. This is a crop that does not fail us wet or dry and we have been glad many times in the 20 years we have lived on this farm that we have 40 acres of good prairie meadow.

When a man gets in only about one day in the week at work on the land he has to fill in his time with odd jobs. There are always plenty of such on a farm and on this farm we know there still remain plenty of them. One of the odd jobs this week was a little cement work. Cement is cheap now—35 cents a sack in small quantities—and it makes the cheapest building material we now have for most farm jobs. The old Scotch contractor in Stevenson's "Wrecker" said that "cement, properly sanded, will go a long way." His proper method in those days of high priced cement would be thought now to make a rather lean mixture. With only 35 cents a sack to pay one can afford to use plenty of cement where there is considerable strain or wear on the work.

The Granges around Waverly, in this county, are going at the buying business about right. They combine their orders and then give the bill to local business men to figure on. The result is, that they get their material for a good deal less than the usual price and the dealer, by reason of the cash deal and not having to unload or handle the stuff, makes fair profit. The Grange gets the benefit of the dealer's ability to buy at the cheapest rates and his knowledge of business in general. In the line of building material the Granges at Waverly have been able to buy cement laid down there in car lots for 27 cents a sack and sand for 5 cents a hundred. Combining orders and buying in large quantities is one way in which the Grange can save members considerable money.

The Grange at Strawn bought a car of flour last spring through a local merchant at a saving of about 40 cents on the 100 pounds. It cost the flour buyers nothing to combine their orders and so make up a car load. No doubt the local merchant made as much net profit on the deal as if he had charged 20 cents a sack more and had handled it out a sack at a time besides "putting on the books" a greater or less per cent of the total. The Grange in this neighborhood is going to buy a car of flour soon and we find the local merchants ready to do business with us. It did not take more than 15 minutes at the Grange the other evening to make up a car of flour and feed among those present. We shall also want to buy a car of potatoes later, for the potato crop here is going to be even more of a failure than it was in 1913. We raised about 40 bushels of potatoes that year; this year I doubt whether we get five.

Our only chance for any grain here this year, aside from the corn already planted, which comprises not over 40 per cent of the amount planned, is a few oats and what feterita can be put in before July 10. Every bushel of feterita which can be grown this year will mean a bushel of corn less to buy and we think it a wise plan to try for feterita just as long as there is hope that it will make seed. Feterita, planted on good soil and on plowed ground should mature seed in 70 days. If it cannot be planted until July 10 there is still the prospect that it will mature seed by September 20, which is three weeks on the right side of the frost line in this part of the state. There will be no listing of any crops after this; the ground is too much grown up with grass for that. Any land put in crops after this date will have to be plowed. And it will pay to plow, too, for feterita planted on plowed ground will be ten days ahead of that listed at the startoff.

For roughness in this part of the country we have a big crop of prairie hay, the fodder we may get from the corn already planted, the alfalfa hay that can be saved and what forage crops can be put in after this date. It is a little late for kafir but cane still has a chance to make a good crop of forage, whether it be sown broadcast or planted in rows and cultivated. Corn planted on good ground will make lots of good fodder if it can be planted by July 1 but we are not so sure of kafir planted on that date. If we had only kafir seed to plant we should plow the ground and sow it with a wheat drill one bushel to the acre and make hay of it. Cane should be handled the same way but it will make more and better forage than kafir if planted as late as July.

Livestock on pasture is doing well. There is plenty of grass of course, and up to this date there have been fewer flies than we ever saw before in Kansas. With the present outlook for corn we expect to see large runs of grass cattle this summer. In spite of newspaper talk farmers have not discontinued cattle raising and you may be sure that at some time during the summer packers will find an excuse, in the heavy runs, to cut down prices. Stock cattle are high as compared with corn fed stuff and we cannot see how any man can, with the conditions that have been prevailing in the stock markets for the last two years, figure out a way to full feed cattle during the next year.

When the European war started it cut off our sources of long distance weather information and for some time the usual weekly long range forecast did not appear. The government is now going it alone in forecasting the weather for a week ahead and we must say they are doing a much better job than when they had help from Europe. For some time we have been paying close attention to the long range forecasts which appear in the Tuesday papers and it is seldom they score a miss. Perhaps it is because they predict rain three times a week.



"Cement Is Cheap Now—35 Cents a Sack—the Cheapest Building Material We Have for Farm Jobs."

Here You Are!



Coca-Cola

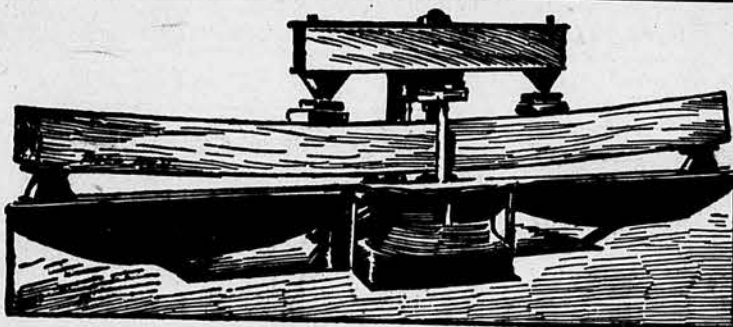
Here's a new voice for the thirsty rooter—here's refreshment for the excited fan—here's deliciousness for all—Coca-Cola, the beverage that athletes endorse—that wise business men enjoy—that everyone welcomes for its simple, pure wholesomeness.

Carbonated in bottles—at stands and in grand stands—and at soda fountains everywhere.

Demand the genuine by full name—nicel names encourage substitution.

THE COCA-COLA COMPANY
ATLANTA, GA.

Whenever you see an Arrow, think of Coca-Cola.



A Government Machine for Testing the Strength of Wood

When the Government Tests Lumber

It Studies Thousands of Different Pieces

before reaching a conclusion. Did you ever know that the Government, after careful laboratory tests, found Southern Yellow Pine to have greater breaking strength than White Oak, and greater crushing strength than White Oak, Rock Elm, Hard Maple or Big Shellbark Hickory?

That is fact, surprising though it may be.

Here are the Government's figures, made by the experts of the Forest Service, in comparing various commercial woods:

Woods Tested	Breaking Strength	Woods Tested	Crushing Strength
LONG LEAF YELLOW PINE.....	8,630	LONG LEAF YELLOW PINE.....	4,280
White Oak.....	8,160	Shellbark Hickory.....	3,890
Post Oak.....	7,380	Hard Maple.....	3,850
White Elm.....	6,950	Rock Elm.....	3,740
Silver Maple.....	5,820	White Oak.....	3,510

And in addition to those superior qualities, Southern Yellow Pine lumber costs much less than any of the others.

That is a valuable tip the Government gives you. It shows you how you can get from your home dealer any quantity of clear, straight-grained, durable, easy-working lumber stronger than Oak, for a very moderate price. There is no other wood so perfectly adapted to so many uses.

Send TODAY for These FREE Helps:

SOUTHERN PINE ASSOCIATION, 614F Inter-State Bank Bldg., New Orleans, La.
Send me free your new Silo Book, Plans for Farm Buildings, Tables of Lumber Tests, House Plans

Name..... Town.....
R. F. D..... State.....

THE GOOD JUDGE AGREES WITH THE FARMER



ASK the man who chews the Real Tobacco Chew.

The only chew that is cut just right—that gives you the full, fine comfort of rich, mellow tobacco. Lasts you longer.

A little chew of pure, rich, mellow tobacco—seasoned and sweetened just enough—cuts out so much of the grinding and spitting.



THE REAL TOBACCO CHEW IS NOW CUT TWO WAYS!!
W-B CUT IS LONG SHRED. RIGHT-CUT IS SHORT SHRED.

Take less than one-quarter the old size chew. It will be more satisfying than a mouthful of ordinary tobacco. Just take a nibble of it until you find the strength chew that suits you, then see how easily and evenly the real tobacco taste comes, how it satisfies, how much less you have to spit, how few chews you take to be tobacco satisfied. That's why it is *The Real Tobacco Chew*. That's why it costs less in the end. The taste of pure, rich tobacco does not need to be covered up. An excess of licorice and sweetening makes you spit too much.

One small chew takes the place of two big chews of the old kind.

“Notice how the salt brings out the rich tobacco taste.”

WEYMAN-BRUTON COMPANY, 50 Union Square, New York City

BUY FROM DEALER OR SEND 10¢ STAMPS TO US

The Best Piano in the World For the Price is the ELBURN PIANO

Our New Big Catalog
in Colors is Ready for
You. Write Today.



\$5 a Month
BUYS AN ELBURN

“The Piano With the Ford Quality.”
If you want a piano that will LAST and give you thorough satisfaction. Then write for prices and terms on the Elburn. We will save you up to \$200 in the cost and give you a better piano than anyone, anywhere, anytime can sell you for the money.

We will send you hundreds of names of happy Elburn owners. Very likely some of them are persons you know. All over the great Southwest you will find this most marvelous piano.

We have been in business nearly 40 years and there is no piano house of higher financial standing or with better reputation. Don't buy any piano until you hear from us. Write today sure. We have hundreds of used pianos, sample pianos and shop worn pianos of other makes at astounding low prices. No matter what you want write us sure. We sell organs too.

J. W. JENKINS
Sons' Music Co.
KANSAS CITY MO.



BIG MONEY IN HOME CANNING

Don't let the fruit and vegetables that you are unable to sell go to waste. Any child can turn them into big money by canning them with an El Flo Home Canner—So simple any boy or girl can run it, and the price is so low no farm should be without it. \$3.50 and up according to size. Write today for Free Illustrated Catalog. HOME CANNER MFG. CO., DEPT. B, Minneapolis, Minnesota

Wrecking of the State Mine

The farmers of Kansas who are watching public matters and public servants as they have seldom been watched before, will be interested in this frank statement about the condition of the penitentiary coal mine and who should be held responsible for its present condition. It is from the editor of the Lawrence Gazette, which is published in a county adjoining Leavenworth, and recently appeared in his paper:

“In its controversy with itself over the Kansas penitentiary coal mine, the Kansas City Star has shown itself for the dishonest, unscrupulous and unreliable paper that it is. When the Hodges administration took charge of things in 1913, the Star had the coal mine investigated by one of its own men. He reported and the Star published his report, that the mine was a model in every way. Now the Star reports that the conditions at the mine are ‘rotten,’ and it seems they are, and blames it all on the Capper administration. It says the mine supports are rotted away, almost, and that the men who work in the mine are in danger all the time. Which seems to be true. But did all this happen since Governor Capper went into office last January? The ridiculous position the Star has placed itself in does not seem to occur to it. In its frenzy to say something mean about the Capper administration it openly stultifies itself, and becomes just a common, reckless liar.

More On Quick Crops

Continued wet weather, floods, and high water have washed or drowned out crops to such an extent that large areas are yet to be planted. Many fields will not be dry enough to plant until sometime in July. It is of importance to know what crops will do best when planted on this ground, says L. E. Call, head of the farm crops department in the Kansas State Agricultural college.

Varieties of corn such as Commercial White, Boone County White, Kansas Sunflower, or Hiawatha Yellow Dent mature too late to be valuable to plant at this time, even when grown for silage. Varieties such as Iowa Silver Mine, Pride of Saline, Hogue's or Reid's Yellow Dent if planted at once may mature sufficiently to make a fair quality of silage but will not mature a grain crop. Varieties such as Pride of the North, Minnesota No. 13, and Silver King commonly grown in states to the north, and varieties such as Sherrod's White Dent or Greed's White Dent, grown in the west, will mature in from 90 to 100 days. If corn is to be grown for grain or for silage it will be safest to plant one of these varieties.

The best crops to grow for grain are feterita, Dwarf milo, or an exceptionally early maturing variety of corn. If the grain crop cannot be planted until July 15, feterita is the safest crop to plant.

Crops which are intended for the silo can be harvested two or three weeks earlier than for grain. In choosing a crop for silage it is advisable to choose one that will use all the growing season. Quick maturing varieties produce a relatively small growth and make a small yield of silage. For early July planting a 100-day corn, Red Amber sorghum, White Hulled White kafir, feterita, Freed's sorghum, or Black Amber sorghum should be planted for silage. For planting which is delayed until the middle of July it will be safest to plant feterita, Freed's sorghum, and Black Amber sorghum for silage. When grown for silage, sorghum should be planted about twice as thick as when grown for grain, 10 or 15 pounds of seed being planted to the acre.

In growing crops for feed, sowed cane and kafir can be planted as late as the middle of July with reasonable assurance that they will make a fair crop of hay. If they are sown broadcast they should be planted so thickly that the hay will be fine. Millet can be sown as late as the middle of July with safety. German millet will require two weeks longer to mature than common millet and should be sown for hay about July 15. Sudan grass will mature hay in from 50 to 65 days and may be sown any time in July. Early varieties of cowpeas, such as New Era and Groit, will mature hay in an average season if planted by July 15. If they are planted two weeks earlier a better crop of hay will be obtained.

The Cost of Living

BY H. T. CHASE.

Taking 15 common articles that make up the workingman's family food regimen, the Bureau of Labor Statistics at Washington every year figures out how the cost of living stands. The prices are not taken at one place, Washington, or New York or Chicago, but are averaged from prices taken in 44 cities in 33 states. On the basis of these statistics the bureau now finds that the cost of living in the United States is the highest on record, the figures never having been equaled heretofore. This is particularly unlucky, because seldom has labor been as poorly employed, the main cause of both these conditions being Europe's war. Relatively the United States is fortunate in being entirely free from the strife in Europe, but absolutely it is not fortunate but unfortunate, like every other country. It does not, in other words, benefit the United States that all its great foreign competitors are out of the field. This country would be glad to see them come back.

It cost the American workingman 25 per cent more, or in dollars \$100 more, to feed his family in 1914 than in 1907, only seven years ago. In that year the year's food bill was estimated to be \$410.20. On the same basis the last year's bill was \$510.87. All meats were higher than ever before, but some articles were not as high as they have been in past years. Flour was higher in 1909. Sugar was higher in all of the three years from 1910 to 1912 inclusive. The increase in the cost of living from 1913 to 1914 was just \$10 in food supply, by these figures. If the workingman is not earning about \$200 more than eight years ago, then he is worse off by the increased cost of the necessities and comforts of life.

Electricity in Rural Life

BY W. S. ALDRICH.

Work on the farm has come to be more and more of a machine process, as it is termed. In this change over, from manual labor to machinery, animal power has given way to steam, gas, and electricity as the motive, driving power. Over 90 per cent of the population of our cities are served with electric power, while scarcely 1 per cent of the rural population avail themselves of its many uses. But the demand is steadily growing. Once used always used, is the natural result of the economy, efficiency and enhanced returns from the electrified farm. For lighting the farmstead, and surroundings, for night work and traffic; for electrical devices in the homestead—cooking, washing, laundry work and sewing, for pumping and irrigation, for power, wherever a wheel is to be turned, electricity is the one universal supply. One cent's worth of electricity will operate a 16-candle power lamp for five hours; or a 6-pound flat-iron for 15 minutes; or an electric washer; or a pump to raise 100 gallons of water 100 feet; or a sewing machine for two hours; or bring to a boil one quart of water.

A Paralyzed Sheep

I have a sheep that cannot walk. She can stand all right, but must be helped up. She is very stiff. Before the ewe became sick a few days ago she was in a weed patch near the house with some other sheep, but with no other animals. I lost the ewe's lamb the other day before she took sick; it acted as if it was paralyzed. A. E. Peabody, Kan.

I am satisfied that your sheep is paralyzed though I cannot tell you what the cause of the trouble is. It is possible that it is due to something she has eaten or it may be the result of some ailment of the nervous system.

I would recommend that you give the animal the following preparation:

Artificial Carlsbad salts..... 14 oz.
Powdered nux vomica..... 2 oz.

These ingredients are to be mixed and the animal should receive a tablespoonful morning and evening in the feed. You should help her and encourage her to take as much exercise as possible.

R. R. Dykstra.

Kansas State Agricultural College.

Cutworms can be kept away from young plants by a simple device. Cutworms are fond of peas, eggplants, cabbage or various tender greens. A strip of stiff paper 4 inches wide pushed 2 inches down in a circle around a young plant will keep off the cutworm.

As to Mohler's Reports

BY CHARLES DILLON.

"There'll be no big wheat crop in Kansas this year," said a friend of mine, a week or so ago. "I've just returned from Kansas City. I saw field after field under water."

"Wheat is in fearful condition," said a state official, shaking his head gloomily. "Between Manhattan and Chanute hundreds of acres are ruined. We won't get 80 million bushels this year."

I have just come home from Chicago and northern Wisconsin. I learned on this trip that Kansas would have only one-half a crop of wheat this year and scarcely enough corn to feed the pigs. Added to the queer things I had heard at home this eastern information set me to wondering, so I visited J. C. Mohler, secretary of the state board of agriculture, intent upon learning just how and why and in what manner his reports were made. The board, you remember, had indicated a prospective yield of 138 million bushels of wheat. I questioned the secretary away back to childhood, and this is what I learned:

First, the acreage figures are obtained annually in a house-to-house canvass by assessors who are making their rounds listing property for taxation. The farmers themselves report directly to the assessors in the spring the exact number of acres they sowed to wheat in the preceding fall. Assessors are required by law to gather these statistics, and attest their accuracy by affidavit. Returns of assessors were received from 53 of the state's 105 counties and used in last week's report, while for the other counties the estimated acreage, as indicated by the correspondents, was shown. Later, when the official returns from the 52 counties yet to hear from are received, they will be substituted for the growers' estimates. These "growers' estimates" are the result of asking the wheat men last fall whether the area sown would be greater or less, and how much, compared with the preceding year's sowing. It may be said that the assessors' figures in the 53 counties show more wheat by about 500,000 acres than was estimated by reporters last fall. This suggests that correspondents are conservative in their statements, as they are constantly cautioned to be by the board. Hence, it would appear that the acreage figures must be authentic, and that they afford the best information available.

I learned that the wheat reports are not the opinions of the secretary, but instead are the consensus of the observations of 1,000 to 1,200 correspondents—farmers nearly every one, in every part of Kansas, in practically every township. They are not the opinion of Bill Smith, John Jones, or Jim Brown, who took a motor car trip into an adjoining county, or who may have gone into their own fields and rooted out a little wheat here and there. These reports are the statements of intelligent, practical, observant, successful men actually on the ground. They are gathered by the best men the board can obtain—by correspondents who have been tested for years, and with special reference to the wheat producing country. For instance, in Rice, a foremost wheat county, reports were had from 20 farmers, while in Linn, a county with only 10,000 acres of wheat the number of reports was six.

Kansas is 400 miles one way and about 208 miles the other way. One individual opinion as to such a vast territory is inevitably worthless. One may ride across the state in a Pullman and view the fields from the windows, for a half mile each way, perhaps, and see almost nothing, compared with the whole. One may cast his eyes on the passing panorama from the knot hole of a box car, but one is not seeing Kansas. The best and most complete information is gained by gathering it from optimist, from Republican, from Democrat and Progressive, from enthusiast and croaker—from every class and condition and walk of men who know wheat. This is what the board does. The average of what they say in each county is applied to the acreage which the assessors under oath return to the county clerks, and which are in turn certified to the board.

Thus, it is seen the board has as a basis the exact acreages devoted to wheat, and crop information is obtained from a corps of high-class volunteer reporters. It is deduced, therefore, that under the methods employed the board's

reports must be pretty nearly as accurate as human agencies can make them.

I personally saw more than 900 reports on Secretary Mohler's desk last Monday morning. Nearly all were from farmers and while farmers seldom have won fame as boomers I noticed that theirs were the most optimistic reports in the pile. I believe that 900 crop reports may be taken as fairly representative of the actual situation in this state. After reading them I feel safe in saying that unless something mighty big comes along and ruins things this state will have another whopping big wheat crop. And what of it? Isn't this a whopping big world and aren't there millions of hungry mouths to feed, now and next winter? Let's be cheerful.

A Case of Contracted Feet

I have a mare 9 years old that is lame in both front feet. The soles of the feet are much like chalk, and they crumble away very easily. They have a bad odor. She has been this way for more than a year.

Greeley, Kan. H. A. S.

While I cannot tell you positively what the trouble is with your pony, still from the fact that she has been shod almost continuously and also that the soles apparently are very dry, I am inclined to believe that she may be suffering from contracted feet which is frequently a cause of lameness.

The treatment consists in removing the shoes and placing the animal in a

The crime bill is our greatest burden in the United States. Our greatest public debt maker is the saloon license. It is still the custom of wet communities to pave the streets and roads with fines from vice resorts, while these resorts pave the way to perdition for the young people of those communities. The cities of Kansas that have received no revenue whatever from vice have a lower tax rate than those cities which in the old days stuck to the last to the license-fining system. Today there is no such thing as a slum or licensed red light district in any Kansas city. Nowhere in all the civilized world are moral conditions cleaner and better than in prohibition Kansas.

trough containing about 3 inches of water. She should be permitted to stand in this water continuously for two or three days; then she should be exercised for a half day or so after which she is again to be returned to the soak tank. You should keep this up for about two weeks. Then the animal should be permitted to run bare footed for a time to permit the foot to expand properly and in this way to relieve the abnormal condition.

It is a good plan to oil the feet with fish oil or vaseline after each soaking, as this prevents the evaporation of moisture. The oil must be washed off before she is again placed in the soak tank as otherwise the foot will not absorb moisture. It may be two or three months before the foot is in good condition again. Dr. R. R. Dykstra.

Kansas State Agricultural College.

More About Stacking Grain

I read Edward Lind's paragraph on stacking headed grain in the issue of June 19. I disagree with Mr. Lind about bulges on the stack. I have helped to build a large number of headed and bundle stacks and have pitched a great deal of grain into the threshing machine and I have never known a bulge to harm a stack. I believe like Mr. Lind that the stacker has the lightest work, but I think he should receive higher wages than the pitchers. The stacker really has the farmer's purse in his possession when the stack is put up. If the stack spoils the farmer loses money. If a man can put up a stack that will keep isn't it worth \$4 a day to the farmer, especially if he threshes late? The man who builds a railroad or house or anything that must stand long gets better paid than the men who bring this material to the place of construction. For the same reason why not pay the stacker higher wages than the pitchers?

Culver, Kan.

Enoch Beichley.



The Price of Progress

THE Panama Canal stands as one of the most marvelous achievements of the age. Into its construction went not only the highest engineering skill, but the best business brains of the nation, backed by hundreds of millions of dollars.

Suppose conditions not to be foreseen made it necessary to replace the present canal with a new and larger waterway of the sea-level type, to be built in the next ten years.

Also suppose that this new canal would be the means of a great saving in time and money to the canal-using public, because of the rapid progress in canal engineering.

This sounds improbable; yet it illustrates exactly what has happened in the development of the telephone, and what certainly will happen again.

Increasing demands upon the telephone system, calling for more extended and better service, forced removal of every part of the plant not equal to these demands. Switchboards, cables, wires and the telephone instrument itself were changed time and again, as fast as the advancing art of the telephone could improve them.

It was practical to do all this because it greatly increased the capacity of the plant, reduced service rates and added subscribers by the hundred thousand.

In ten years, the telephone plant of the Bell System has been rebuilt and renewed, piece by piece, at an expense exceeding the cost of the Canal.

Thus the Bell System is kept at the highest point of efficiency, always apace with the telephone requirements of the public. And the usefulness of the telephone has been extended to all the people.



AMERICAN TELEPHONE AND TELEGRAPH COMPANY
AND ASSOCIATED COMPANIES

One Policy

One System

Universal Service

WHIRLWIND SILO FILLER

WHIRLWIND SIZE G

"WE TRIED to test your F Whirlwind to its full capacity but could not get the corn to it fast enough—four tons in 15 minutes and with a 12 H. P. Gasoline Engine" writes the Dairy Supt. of a Western State Agricultural College.

Investigate—learn about the Whirlwind's one piece Wheel—the heaviest made—which insures big capacity and highest possible elevations at uniform cutting speed. Uniform speed means uniformly applied centrifugal strain and therefore absolute safety.

Five sizes—two styles of mounting and feed tables—fewest working parts—hence least friction. Whirlwind iron withstands from 9,000 to 17,000 lbs. greater shocks and strains per square inch than fine cast

Get our free Catalogue and Booklet "Why and How to Fill a Silo." They tell the story. Our Agents' Weekly Whirlwind Bulletin is also free; it's peppered with inside catter information—Write for it.

Wilder-Strong Imp't Co.
Box 58, Monroe, Michigan

PAPEC ENSILAGE CUTTERS take 1/4 less power, make high quality silage, and elevate to unusual heights with ease. They outlast all others. The higher the silo and the harder the conditions, the more the "Papec" is needed. Capacities 3 to 30 tons per hour, in sizes from 4 H. P. up. Thousands in use. Send postal today for free catalog illustrating and describing "The Wonderful Papec." Your gas engine will run it.

PAPEC MACHINE CO., Box 24, Shortsville, N. Y.
29 Convenient Distributing Points in U. S.

THE PAPEC

IT THROWS AND BLOWS

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.

When writing to advertisers please mention the Farmers Mail and Breeze.



Embroidery Set FREE

This beautiful 3-piece Table Set, Wild Rose design—1 large Centerpiece with 4 doilies to match. Stamped on fine quality art linen 14 yd. long. This free to all who send only 10c. for trial 3-months sub. to our big fancy work and family magazine. Address: Household E. S. Co., Dept. 23, Topeka, Kan.

HOME DRESSMAKING

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

The pattern for shirtwaist 7237 is cut in six sizes, for women 34 to 44 inches bust measure. Front and back of this waist are one piece.

Rompers 6737 are cut in one piece from neck to knee in front, with seam in center. Sizes 2, 4 and 6 years.



Skirt 7243 is in three gores and may have high or normal waist line. Six sizes, 22 to 32 inches waist measure.

Dress 7260 is in sizes 2, 4, 6, 8 and 10 years. The pattern also provides for bloomers.

Apron 7257 is in sizes 36, 40 and 44 inches bust measure.

USE THIS COUPON FOR PATTERN ORDERS.

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

Pattern No..... Size.....
Pattern No..... Size.....
Pattern No..... Size.....

Name

Postoffice

State

R. F. D. or St. No.....

BE SURE TO GIVE NUMBER AND SIZE.

A Bunch of Kansas Sunflowers

In answering the contest on Kansas towns, which appeared in the June 5 issue of the Farmers Mail and Breeze, one reader from Alma, Kan., wrote: "I want to tell you how much I enjoyed finding the answers to these riddles. I think I can say I never got so much real good out of a puzzle before, and feel I know a great deal more about the location of some of the towns in Kansas. I hope another puzzle will appear soon. My father has taken the Farmers Mail and Breeze for more than 12 years and wouldn't do without it."

Considerable interest arose over the location of the center of the United States, and various authorities were cited. To make certain the question was referred to the United States Geographic board before prizes were awarded. This board established the fact that this point is 10 miles north of Smith Center, near Reamsville.

First prize of \$1 in cash has been awarded to G. E. Bartlett, R. 4, Walnut, Kan., for the best list, 49 correct answers out of 50. Second prize, a copy of the book, "Kansas in the Sixties,"

Mrs. Charles E. Scott, Tescott, Kan. Third prize, copy of, "A Certain Rich Man," Thomas Wilson, 500 Missouri St., Lawrence, Kan. Subscriptions to the Household Magazine go to Ella Hagen, Ellinwood, Kan.; Alice K. Pettit, Junction City, Kan.; Miriam M. Long, 2025 Eighteenth St., Boulder, Colo.; Mrs. E. E. Ewing, Dighton, Kan.; Mrs. J. D. Harrison, R. 1, Potwin, Kan.; Mrs. Abbie L. Whitney, R. 8, Manhattan, Kan.

The answers are as follows: 1, Goodland; 2, Baldwin; 3, Troy; 4, Sterling; 5, Manhattan; 6, Eureka; 7, Lyons; 8, Columbus; 9, Cherryvale; 10, Pittsburg; 11, Smith Center; 12, Concordia; 13, Erie; 14, Parsons; 15, Coldwater; 16, Washington; 17, Lincoln; 18, Sedan; 19, St. John; 20, Girard; 21, Hiawatha; 22, Blue Mound; 23, St. Francis; 24, Clay Center; 25, Florence; 26, Council Grove; 27, Eldorado; 28, Galena; 29, Humboldt; 30, Independence; 31, Garnett; 32, Reamsville; 33, Stockton; 34, Minneapolis, (or St. Paul); 35, Medicine Lodge; 36, Liberal; 37, Marion; 38, La Crosse; 39, Leavenworth; 40, Hays; 41, Strong; 42, Burlington; 43, Newton; 44, Hutchinson; 45, Junction City; 46, Garden City; 47, Dodge City; 48, Kansas City; 49, Cottonwood Falls; 50, Topeka.

Spiced Cucumber Pickles

(Prize Letter.)

Take a half bushel of small cucumbers about half as long as your finger, wash, and pack in a stone jar. Make a brine by taking 1 cup of salt to every gallon of water, boil, and pour over the pickles until well covered. Drain this liquid off every morning for seven mornings changing the brine once in this time. Each morning boil it, skim, and pour over the cucumbers again, always pouring it on boiling hot.

The eighth morning scald weak vinegar enough to cover, and pour on after draining off the brine. The ninth morning drain off this vinegar and pack the pickles in a jar, putting in alternate layers of cucumbers and spices. For the spices mix together 1/2 pound white mustard seed, 1/2 pound allspice, 1/4 pound cloves, 1 ounce each of cinnamon and acacia buds, 2 ounces celery seed. Take 4 or 5 pounds brown sugar, scald with vinegar, and pour over the pickles. Put a layer of grape leaves on top and put on a weight, keeping everything covered with vinegar. These taste like boughen pickles.

Mrs. Jesse L. Nott.
R. 3, Alta Vista, Kan.

Candies Made From Fruits

BY JENNIE E. STEWART.

Every girl loves to make her own candies and is happy to find a new recipe that is inexpensive and good. Here are some that girls or boys may easily make.

Almost every neighborhood has its own herb roots and barks that children are fond of chewing. These may be candied and kept indefinitely for use when snow and ice make the gathering of fresh bark and roots impossible. The roots and barks should be broken into inch lengths thin enough to cook tender.

Put a pound of cinnamon bark, sassafras, or any other bark you may have into a granite basin and boil till tender. Drain on a clean cloth tied over a wide-mouthed dish till dry. Have ready a sirup made by boiling a pound of sugar in 1/2 pint of water till it will form a soft ball when dropped into cold water. Into this sirup drop part of the bark and let it boil 5 minutes, skim out onto a clean buttered platter and separate the pieces, placing more bark in the sirup to boil till all is done. Then set the bark away to dry, and wrap in waxed paper. The very last batch that is put into the sirup should be poured, sirup and all, on a platter and left to cool, when it may be cut into squares and eaten at once.

Cherries may be candied in the same way, also small ripe or green pear tomatoes, slices of pear, citron, and sweet or Irish potatoes.

Boil the cherries, stems and all, in the sirup and drain over a fine sieve, over night. Boil the sirup 10 minutes the next day and add the cherries again, boil 5 minutes, drain, and lay the cherries on waxed paper for several days to dry. Keep covered with a cheesecloth to keep off dirt.

The tomatoes and slices of fruit should be treated the same way. In each case the last of the sirup may be poured

over a little of the fruit to cool and be eaten at once. The dried fruits wrapped in waxed paper keep for months.

Potatoes and sweet potatoes should be boiled in water till tender, mashed, and squeezed through cheesecloth to rid the mass of lumps. Boil the sirup to the soft-ball stage given above and set aside to cool slightly. Beat the mashed potato till light and feathery and leave where it will keep hot. When the sirup has cooled enough to make it slightly stiff beat it with an egg beater till it is creamy, then add the potato, 1 cup of potato to a cup of the sirup and beat all together for 5 minutes.

This paste can be molded into any form desired, and the result will be a delicious candy that is pure and cheap. You may wrap a candied cherry in a piece of the paste, add nuts to some, and coat others with chocolate. If you are good at molding animals or flowers from the paste they are very cunning—white mice coated with pink icing with chocolate eyes; brown-coated chocolate mice; little chicks iced with yellow icing, and many more that you may think of.

Ground cherries may be boiled in the sirup the same as the tomatoes, and when ready for drying pressed into cakes the size of a fig. Not many people will know they are not candy figs, for they have the same flavor and the same tiny yellow seeds.

Lemon and orange peel may be boiled like the roots and bark and after draining candied in the sirup, to be dried and eaten.

The green part of watermelon next to the rind may be cut into inch cubes, boiled till clear, drained, and boiled in the sirup twice, as given for tomatoes. When dried it is as good as candied citron, which is made in the same way.

Watch the Children's Play

How many parents, and teachers too, while watching with pleasure the little ones as they play robber and Indian, realize what these seemingly innocent plays are teaching the children? As the twig is bent the tree will grow, and so it is with the child. Let us, then, teach them to play something uplifting instead of things that will teach them to be robbers and murderers.

I have observed many instances where the man or woman chose for a life occupation the thing that had been the favorite play in childhood. For instance, one little boy always played store. When he became a man he decided to be a merchant. Another dug holes in the ground and covered them with pieces of glass where he kept grasshoppers and crickets which he called his cows and pigs, and took great interest in watering and feeding them each day. He became a great farmer and stock raiser. Another played school and always wanted to be the teacher; when a man he became a teacher. Then, too, I have heard women say they just despised dolls when a child and never would play with them; and I have heard the same women say they would rather sew or wash, as the case might be, all day than take care of a baby half a day.

If we read the biographies of great men we will find that the careers of many began in their childhood play. General Sheridan played soldier, and always led his army of neighboring boys. Napoleon used pebbles for his soldiers, calling the largest one the general, Napoleon Bonaparte. Edison's happiest hours when a child were spent in his mother's cellar playing and experimenting with chemicals.

Probably if we had the childhood biographies of our criminals we would find their degradation began in their childhood play. I believe there would be less use for the penitentiary and fewer broken hearts if parents, and teachers were more particular about what the child played.

Ottawa, Kan.

Baby's Food Is Important

Many a mother who is panic stricken at the sight of her baby in convulsions loses time by not clearing out his bowels at once by warm water injections and then putting him in a bath with water as hot as she can stand her hands in. Children who are teething need the most watchful care, both in their food and in care of the bowels. A banana has caused convulsions, and should not be given to young children.

Carrie May Ashton.

Rockford, Ill.

LIGHT WITHOUT FIRE

No Matches — No Danger — No Wires

EVEREADY Flashlights

give a bright, powerful stream of light—when and where you want it—indoors and out.

EVEREADY Tungsten Flashlight Batteries are economical—they are powerful and they last.

No. 2059 (Illustrated) throws light over 800 feet. Sturdy fibre case. Silver plated reflector. Price U. S. \$3.00; Canada \$3.50.

Send for Illustrated Catalog No. 91, showing 75 styles from 75c to \$7.50. 40,000 dealers—if yours can't supply you, write us.

Absolutely guaranteed by the "Largest Manufacturers of Flashlights in the World."

AMERICAN EVER READY WORKS
Long Island City New York

NEBRASKA'S MOST SUCCESSFUL COMMERCIAL COLLEGE

ESTABLISHED 1899

The Hastings Business College is known as the "Peoples School" because it takes the young people from every rank and file in life, and trains them for high salaried positions as expert stenographers, bookkeepers, secretaries, commercial teachers, civil service employees, etc.

Attend a school with a record for getting maximum results in a minimum of time. Courses offered in shorthand, bookkeeping, civil service, banking and kindred subjects. Positions secured. Write for our free catalog. (No Solicitors).

HASTINGS BUSINESS COLLEGE
The Mid-west School Hastings, Nebraska

How Much Are You Earning?

In a few months you can secure a practical business training and be in a good position with a good salary. You can do it in a place that will develop your talents and help you to become a success. Our Big Free Catalog tells you how. It explains about courses and expenses at the

Kansas Wesleyan Business College

The largest business college west of the Mississippi, with 1000 students, yearly—supplying 60 per cent of the bookkeepers and stenographers to Central and Western Kansas banks, with splendid equipment worth \$50,000, with graduates in good positions in almost every city in the West. One half of the United States, with a great demand for its graduates. It is a school that gives you a practical business training, with lower tuition and book expenses than any other reliable school, a school that gives you a practical business training, with lower tuition and book expenses than any other reliable school, a school that gives you a practical business training, with lower tuition and book expenses than any other reliable school.

Write at once to L. L. Tucker, Pres., Salina, Kan.

Business Farmers Make Most Money

We are training hundreds of farm boys and girls in our Farm Accounting Course at

Gem City Business College

Est. 1870 Quincy, Ill.

America's Greatest Commercial School They gain the knowledge of how to make and save more money on the farm—to put the farm on a business basis. We have complete courses in business, civil service or commercial teaching. Also, write for our new, big illustrated, Year Book.

D. L. Wesselman, Pres., Lock Box 144, Quincy, Ill.

KANSAS Business College

We Need More Young Men and Women

To fill the demand from big business houses for our students. Come to this school of highest standing, in one of the greatest business centers of the United States. Best paid positions and chances for promotion are waiting for you here. More experienced teachers in proportion to students than other schools; personal, thorough instruction, by high grade, practical teachers. Splendidly equipped quarters in refined surroundings. Endorsed as one of the greatest schools of business by leading business men and court reporters. Every graduate employed. Our Free Catalog will help you to decide wisely. Don't fail to send address for your copy at once to

G. T. SMITH, Principal
V. W. C. A. Building, 1030 Madison Street, Kansas City, Mo.

CENTRAL BUSINESS COLLEGE

offers the best opportunities; 34th year. Largest.

Best. Write today for our special proposition.

1222-26 Oak St., Kansas City, Mo.

Emporia Business College

"The School That Gets Results."

Clean moral surroundings. Everything modern. Pleasant rooms. Living expenses low. May enroll for a trial month. No solicitors. Free catalog.

C. D. LONG, EMPORIA, KAN., BOX M.

LEARN TELEGRAPHY

Students earn board while learning. A practical school with railroad wires. Owned and operated by A. T. & S. F. R. Y. EARN FROM \$55 TO \$165 PER MONTH. Write for catalogue.

Santa Fe Telegraph School, Desk G, 506 Kansas Ave., Topeka, Kan.

A House That Made History

We'd Hear an Interesting Story If Walls Could Talk

BY MARY CATHERINE WILLIAMS



DID YOU ever wish houses could talk and tell you all the interesting things that have happened in them? Of course there are some houses that wouldn't have much to say—very young houses, you know that have not been built long, or empty houses where nobody has lived for years and years. It is the persons who live in the house that make the house interesting; and old, old houses in which boys and girls have romped and played hide and seek in queer little nooks and corners and cubby-holes, and lovers have whispered off by themselves, and men and women have lived and worked and laughed and cried too, sometimes—friendly, grandmotherly old houses, have a story tucked away in every brick and every board.

Once upon a time I was in an old, old house of this sort. It was a queer old house and I suspect none of you boys and girls have ever seen one just like it. There wasn't any yard or even any front porch, but the front door opened out on the street just as a store door does, and the houses on each side came so close to it you could scarcely tell where one house begins and the other ends. There were two upstairs front windows with big heavy shutters and tiny square panes of glass so small you had to look through two or three at once to see anything. The house stands in old Philadelphia town and one long ago July day when its brick walls were strong and new it heard the bell in Independence Hall ring out the news that our nation was born. Now do you wonder I wished the old house could talk?

A little bright-eyed woman sat sewing in that house on that July day so many, many years ago. She did the finest needlework of any woman in all the town, dainty embroidery for the white ruffles gentlemen used to wear on their coats, and all sorts of fine stitches for the tuckers and caps and frills the ladies wore, and she sewed the covers for chairs and sofas, too, for her husband was an upholsterer and she helped him at his trade. But now there was only very plain sewing to do for the men were off fighting for liberty and when the poor soldiers had scarcely clothes enough to cover them no woman would wear fine silks and satins. Her husband was with the soldiers too, and as the woman sat and sewed and listened eagerly for the liberty bell that day, I'm sure she was wishing with all her might there was some way she could serve her country too. She couldn't go off to fight as the men did; she couldn't even go to the front as a nurse; all she could do was to sit and sew for the soldiers. So she worked away at her needle bravely in spite of the worry and care in her heart, and then one day her big chance came.

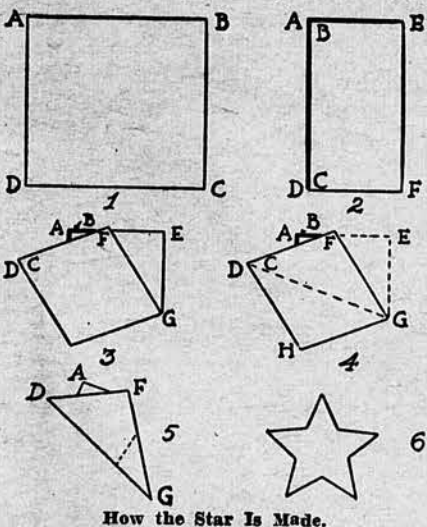
What the Walls Saw.

Two years now the colonial army had been fighting against the British, and almost one whole year had passed since the liberty bell rang for the nation's Declaration of Independence that hot July day, and yet the army had no flag. Up north in Massachusetts the men fought under one banner and down in the southern Carolinas the soldiers waved another, and the men who sat in Independence Hall to make laws for the struggling new country felt it must have one flag that would be the same wherever its soldiers fought—a flag its people could know and love and its enemies learn to respect and fear. Now men can do many things, but there are some things men cannot do. They could draw out a plan for a flag with 13 stripes and 13 stars but they couldn't

get out their needles and thread and sew the stripes together, so if the new country was to have a flag it would take a woman to make it, a woman who knew how to sew.

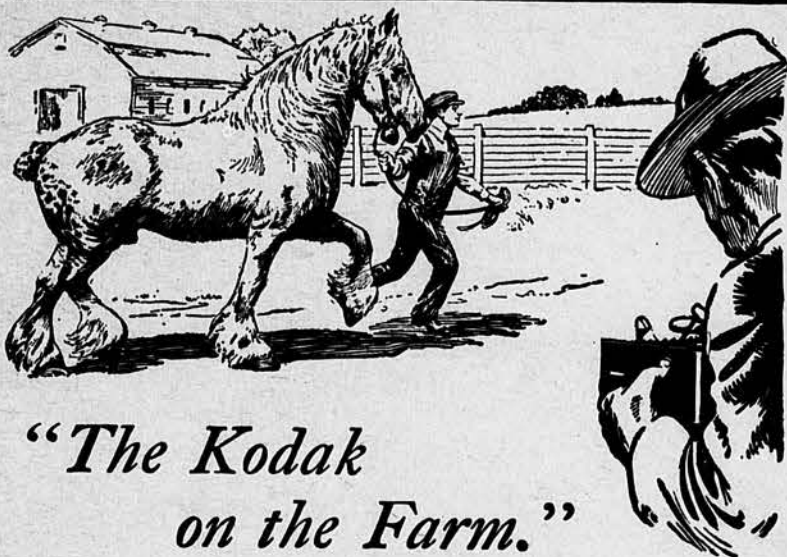
That is how it happened one day in the little back parlor of the old Philadelphia house I told you of, two tall, straight, soldierly men stood beside the little woman asking her to make the country's flag. Don't you wish the walls could tell us all they said? For one of the men was General Washington himself, and the other was good Robert Morris, and the woman who did such beautiful sewing I'm sure you have guessed by this time was Mistress Betsy Ross. Don't you think Mistress Betsy must have been proud and happy to think she had been chosen to serve her country in this way? I'm sure she put the most beautiful stitches her needle could make into that first American flag, and I think even the walls of the old brick house were proud and happy as they watched her fingers fly and felt they were helping their country too by sheltering Mistress Betsy in her work.

Maybe that is why the walls have stood all these 138 years since that day the flag was made, for the house is still there on old Arch street just as it was



when Mistress Betsy lived. It belongs to the city of Philadelphia now as the gift of over a million men and women and children all over the country who wished to see the historic walls preserved. Perhaps you may see it yourself some day and stand in the very spot where General Washington stood when he gave Betsy Ross his plan for the flag. Wouldn't you like that?

Story books say that General Washington drew stars with six points in his plan for the flag and Betsy Ross suggested that five-pointed stars would be prettier. When Washington said stars with five points were too hard to make, Mistress Betsy folded a paper and with one cut of her scissors made a star. It sounds hard to do, but it really isn't. You can learn to do the trick yourself if you will practice it a time or two. Take a square of paper and fold it once through the center so that the corners marked B and C in the drawing will rest on A and D. Now make a diagonal fold so that the point marked F will extend a little beyond the edge from A to E. Fold the corner marked E back along the line F G, as shown by the dotted lines in figure 4, then fold the corner H back on the dotted line D G. You will now have your paper folded in the shape shown in figure 5. Take your scissors and cut along the dotted line. Unfold the paper and you will have a pretty five-pointed star just like the one Betsy Ross made.



"The Kodak on the Farm."

FOR the sake of showing the business uses, the home appeal and the pleasures to be derived from picture taking we have published a beautifully illustrated little book under the above title.

Its forty-eight pages are largely filled with pictures—pictures of the kind you would like to take and can take—with a Kodak.

Ask your dealer or write us for a copy of "THE KODAK ON THE FARM." There is no charge.

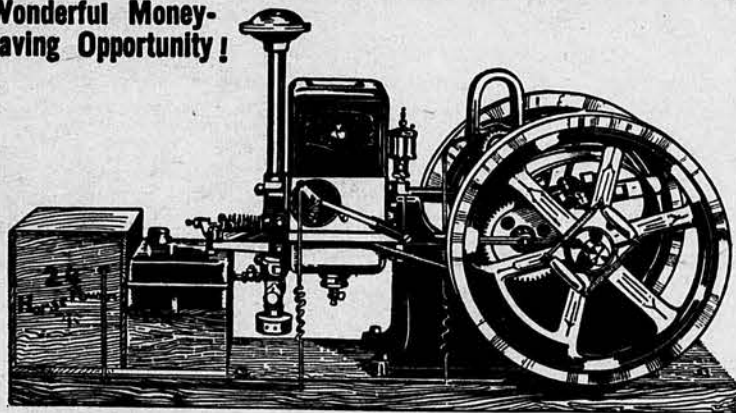
EASTMAN KODAK COMPANY,

451 State Street,

ROCHESTER, N. Y.

Great Cut Price Sale!!

Wonderful Money-saving Opportunity!



THE FAMOUS "HIRED MAN" ENGINE—DEALERS' PRICE \$52—OUR PRICE \$30

Every farmer knows the high quality of the "Hired Man" engine made by The Associated Manufacturers Co., of Waterloo, Iowa. No better engines are built. The Crane Co. closed out their business at Dallas, Texas, and we bought their entire stock of Gasoline Engines for a spot cash price so low that we can sell them to YOU direct from our Kansas City warehouse AT LESS THAN YOUR DEALER PAYS FOR THEM. This is the greatest money-saving opportunity of the year. Don't delay ordering if you would be in time.

Only 134 to be Sold at This Price!

We cannot accept orders at these prices after this stock is disposed of, and money will be refunded if your order comes too late. Our entire purchase consists of the following:

	Dealers' Price	Our Price
70—2 1/2 H. P. Water Cooled "Hired Man" Engine.....	\$52.00	\$30.00
64—2 1/2 H. P. Air Cooled "Hired Man" Engine.....	52.00	30.00
6—6 Mule Team, Water Cooled, Stationary Engine....	150.00	98.00
1—8 H. P. Water Cooled "Foreman" Engine.....	215.00	150.00
1—12 H. P. Water Cooled Stationary Engine.....	340.00	198.00
2—12 H. P. Water Cooled Portable Engine.....	395.00	249.00

All Prices Net Cash, F. O. B. Cars, Kansas City, Mo.

Guaranteed 5 Years--Money Back Offer

Every engine we offer is brand new, just as it comes direct from the factory, in perfect condition, and is sold with the factory's 5-year guaranty behind it. Furthermore, if you are not fully satisfied with the engine we send you, return it and we will refund your money.

These prices are, of course, spot cash prices, but we will ship C. O. D. if you wish. Order direct from this ad, or write for factory catalogue and full description. Don't lose out on this great offer. There will never be another like it.

Bath Room Outfit Another fortunate purchase enables us to offer the greatest bargain in plumbing materials ever heard of. We supply a Complete Bath Room Outfit—Porcelain Tub, Closet, Lavatory, all fittings, pipe, etc., cut to proper length and numbered so anyone can easily install. Usual value, \$140.00; everything complete, f. o. b. cars here, for only \$98.00.

References—Gate City National Bank, Citizens Savings & Trust Co.

Get in touch with us for unusual money-saving opportunities—and don't wait a minute about accepting this great engine offer.

ARTHUR MCKINLEY BROKERAGE CO., 525 LATHROP BLDG., KANSAS CITY, MO.

Save Money, Save Your Chickens

GERMEX—Cheapest and best roup and cholera preventive and treatment, does the trick. Save 50% of your protection cost and raise more chicks. 25 cent package makes a pint of concentrated liquid GERMEX. Order today, postpaid. The Colwell Remedy Co., Pawnee City, Nebraska

MOLASSES BEST FEED FOR PIGS AND CALVES

Kansas City Molasses Co., Dept. MB, 1316 W. 8th St., K. C., Mo.

When writing to advertisers please mention the Farmers Mail and Breeze.

Peoria Tractor



ONLY \$650

EQUAL TO THE BEST \$1,000 TRACTOR MADE

Costs Less to Operate

The Peoria Tractor costs less, does more, requires smaller outfit for upkeep than any other tractor and in all competitive tests, it has turned more ground on the same amount of fuel and oil.

You Can Fill a 100-Ton Silo in a Day with a Peoria

Hundreds of satisfied farmers are pulling with a PEORIA, three 14 inch bottom plows, four to five disc plows, 30 to 35 feet of harrow and two binders. The PEORIA has the only tractor motor practical to detach and mount on binder or push-binder and cut grain through water and mud. Many Kansas farmers are using it for that right now.

A heavy duty 30 H. P. motor;
A perfect cooling system;
Perfect bearings throughout;
Least piston-travel—Longest Life;
Tractor ahead of load—No side draft;
Can be turned in a 15-foot circle;
Width, 6½ feet—Length, 13 feet—Weight, 3,400 lbs.;
A one-man machine—All levers controlled from seat;
Steady stream of power transmitted to 60 in. wheel, 18 in. face

The best companions for the PEORIA or any other tractor are the La-Crosse high lift automatic moldboard and disc Plows and Ensilage Cutters. Write us for prices and particulars.

SOUTHWEST SALES CO. WICHITA, KANSAS

Manufactured By PEORIA TRACTOR COMPANY, Peoria, Illinois



MOST COMPLETE Telegraph School U.S.

Thorough course in Telegraphy, Railroad and Station work. Full wireless equipment. U. P. railroad guarantees every graduate a position. Reasonable tuition. Ten other advantages not offered by other schools. Ask why this Big School is different. Address L. L. Tucker, President.

KANSAS WESLEYAN BUSINESS COLLEGE, Salina, Kan.

Modern Hog House Plans FREE

Let us send you our new, modern hog house plans; complete plans and details of construction of the latest, best and most improved type of hog house. Your complete plans absolutely free to you; every type practical and valuable. They embody the features you want in a modern hog house.



Chief Sunshine Windows are the big, valuable feature of the modern hog house. They are the roof windows that let in sunshine every day the sun shines. Made of heavy galvanized steel glass protected by wire netting. Strong, durable windows that insure you more hog profits. Leak-proof, rust-proof and rot-proof. Easily installed in any hog house, new or old. Write for booklet on Sunshine Windows and Farm Plans today. Make your hog house modern and profit more profits. SHRAUBER & JOHNSON

515 Walnut St. Atlanta, Iowa

Get My Big New Book—Read My 5 Profit Offer

BIG change in prices on my famous Split Hickory Vehicles this year. Get the story. Write Today

Just a postcard will do. I'll tell you also about the 3 years guarantee and 30 days Free road test. Don't wait. Write now.

R. C. Phelps, Pres. The Ohio Carriage Mfg. Co. Station 112 Columbus, Ohio

Don't Cut Out A SHOE BOIL, CAPPED ROCK OR BURSITIS FOR ABSORBINE

will remove them and leave no blemishes. Reduces any puff or swelling. Does not blister or remove the hair, and horse can be worked. \$2 a bottle delivered. Book 6 K free.

ABSORBINE, JR., the antiseptic liniment for man and horse. For Boils, Bruises, Old Sores, Swellings, Varicose Veins, Verrucae, Allays Pain. Price \$1 and \$2 a bottle at druggists or delivered. Will tell more if you write.

W.F. YOUNG, P.O. F., 208 Temple St., Springfield, Mass.

Only \$2 Down One Year to Pay! \$24

Buy the New Butterfly Jr. No. 2. Light running, easy cleaning, close skimming, durable. Guaranteed a lifetime. 30 days Free Trial. Return to our cost if not in your money. Total price \$24.00. Buy from the manufacturer and save half.

ALBAUGH-DOVER CO. 113 2153 Marshall Blvd. CHICAGO

Separator Prices SLASHED

GALLOWAY QUALITY MAINTAINED. And greater price-shaves on all other New Complete, new, low, city and country. We will send you a separator free of charge if you will send us a separator or make or kind of separator even selling for twice as much. DON'T BUY A SEPARATOR until you have got our separator book and complete, new, low, city and country. Write for it from Galloway Co., 431 W. 4th St., Chicago, Ill. Galloway Co., 431 W. 4th St., Chicago, Ill. 3950

95 ON TRIAL Upward AMERICAN CREAM SEPARATOR

A SOLID PROPOSITION to send fully guaranteed, a new, well made, easy running, perfect skimming separator for \$25.00. Skims warm or cold milk, making heavy or light cream. The bowl is a sanitary, perfectly clean, closed. ABSOLUTELY ON APPROVAL. Different from this picture, which illustrates our large capacity machines. Western orders filled from Western points. Whether your dairy is large or small write for our handsome free catalog. Address: AMERICAN SEPARATOR COMPANY Box 4092 Bainbridge, N. Y.

STANDARD AMERICAN EVERYWHERE Well Drilling Machines

Have a Business Owners of "AMERICAN" Well Drilling and Prospecting Machines make large profits either as a regular business or a side line. The demand for wells is large, and from our extensive line comprising 30 styles and sizes, we can select a machine suitable for almost any locality or formation, and arranged for almost any kind of power. Write us your requirements. Catalog Free on request.

THE AMERICAN WELL WORKS General Office and Works: Dept. 18, AURORA, ILL. Chicago Office: First Nat. Bank Bldg.

"Just Came Over to Show You"

Got a brand new pair of the best overalls you ever saw—They're

FITZ OVERALLS

Dad says to me "If our regular dealer can't fit you, he can get 'em in 24 hours, and he did it." Sent to

BURNHAM-MUNGER-ROOT DRY GOODS CO. Kansas City, - Missouri

Wheat Estimate Is Large

Outlook for Corn Is Not Flattering, Oats Looks Well

BY OUR COUNTY CORRESPONDENTS

CHEYENNE	RAWLINS	DECATUR	MORRIS	PHILLIPS	SMITH	JEWELL	REPUBLIC	WAGONER	MARSHALL	KANAWHA	BROWN
SHERMAN	THOMAS	SHERIDAN	GRAHAM	ROOKS	OSBORNE	MITCHELL	CLOUD	CLAY	POTTAWATOMIE	JACKSON	STEELE
WALLACE	LOGAN	GOVE	TREGO	ELLIS	RUSSELL	LINCOLN	OTTAWA	NEOHO	DOUGLAS	JOHNSON	ALFORD
GREELEY	WICHITA	SCOTT	LANE	NESS	RUSH	DARTON	ELLIS	WORTH	MORRIS	LYON	OSAGE
HAMMOND	ROCKY	FINNEY	HODGEMAN	PAWNEE	STAFFORD	RENO	HARVEY	BUTLER	GREENWOOD	WOODSON	ALLEN
STANTON	GRANT	HASKELL	FORD	KIOWA	PRATT	KINGMAN	SEDGWICK	WILSON	NEOSHO	CHERRY	CHICKASAW
PORTER	STEVENS	LEWIS	MEADE	CLARK	COMANCHE	HARPER	SUMNER	COWLEY	WAGONER	WAGONER	WAGONER

CORRESPONDENTS now estimate a probable yield of 138,700,000 bushels of winter wheat in Kansas this year, or an average yield of 16.3 bushels to the acre, according to J. C. Mohler, secretary of the Kansas state board of agriculture. This is 2,100,000 bushels more in the aggregate than the May forecast, and a gain in acre-yield of .4 of a bushel. The present outlook for corn is not flattering. Calling a satisfactory stand and growth 100 per cent, the average condition for the state's growing corn is given as 65. This is the lowest June condition reported by the board in 20 years. Excessive moisture prevented planting the expected area, and there seems small likelihood that the acreage will even approximate that of last year. The acreage of oats is probably a little under that of a year ago, and the average condition is 87 per cent, as compared to 80 in May. Possibly two-thirds of the area to be devoted to sorghums has been planted, the condition being rated at 72 per cent. Much of the first cutting of alfalfa was severely damaged by wet weather, and in some fields the hay has not yet been removed. The second growth generally is excellent and promises an extra good cutting. Pastures and meadows are flourishing, but weeds are in evidence more than usual in both.

KANSAS.

Finney County—Some replanting being done owing to the backward spring. Wheat is looking well, but harvest will be late. Second crop of alfalfa coming on fine.—F. S. Coen, June 25.

Smith County—Heavy wheat is damaged by rain. Wheat prospects are 20 per cent lower than 30 days ago. Much of first crop of alfalfa is badly damaged by rain.—A. J. Hammond, June 19.

Lyon County—Most of the wheat is ready to cut but the ground is too wet for the binders. Some damage by chinch bugs. Second cutting of alfalfa is making heavy crop.—E. R. Griffith, June 25.

Kearny County—Light local rains the last two weeks. All summer crops growing nicely. Wheat beginning to ripen. Stock doing well. No disease reported. Flies are numerous.—A. M. Long, June 26.

Norton County—The recent rains put the soil in good condition. Some persons had to replant. Barley is a heavy crop and soon will do to cut. Wheat will not do to cut for a week.—E. E. Newlin, June 25.

Morton County—Too dry to plow and rain is badly needed. Not much cultivating is being done because of backwardness of season. Barley is headed and will be ready for cutting soon.—E. E. Newlin, June 18.

Kiowa County—Harvest will begin about July 1. Wheat crop an average one. Five per cent damage by hail. Corn and other spring crops are not looking well. Wheat \$1.02; corn 85 cents; butterfat 21; eggs 18.—H. E. Stewart, June 26.

Nemaha County—Corn is very weedy and needs work. Hessian fly is present in most of the wheat fields doing heavy damage as wheat is ripening slowly. Potatoes will be better than last year. Pastures in good condition.—C. W. Ridgway, June 25.

Wichita County—Heavy rains have caused much replanting. Corn is small but a fair stand. Wheat and barley heading well though harvest will be late. Grass is the best we have ever had and all kinds of stock are doing well.—J. E. White, June 19.

Clark County—Plenty of moisture for all growing crops. Wheat has made good improvement but harvest will be later than usual. Not much wheat will be sold at present prices. Stock doing well. Barley and oats crop good.—H. C. Jacobs, June 21.

Osborne County—The heavy rains have washed corn and kafir badly and much replanting is being done. Some wheat fields have lodged and are not filling out well. Harvest will begin about July 4. Many men will be needed.—W. F. Arnold, June 25.

Decatur County—Two severe storms struck the east half of the county June 15 and 17, and damaged the wheat nearly one-half. Harvest will begin in about two weeks. The last week has been favorable for cultivating corn and feed crops.—G. A. Jern, June 26.

Crawford County—Wheat harvest is about over, and the crop is cut short by the weather. Considerable wheat will go to the ground on account of soft fields. Corn is growing nicely but is needing work badly. Oats are looking very well.—H. F. Painter, June 27.

Washington County—From 7 to 9 inches of rain has fallen in the last two weeks. Much corn is washed out, and many acres of wheat, alfalfa and corn have been ruined by high water from the Blue. A good crop of potatoes is expected.—Mrs. H. H. Birdsey, June 21.

Doniphan County—Wheat harvest has begun. Wheat has improved greatly in the last month, and will be a fair crop. Corn is very uneven; some pieces laid by; others have not been plowed at all. Apples are sticking on well and promise a good crop.—C. Culp, Jr., June 26.

Cheyenne County—Plowing corn is the main work on farms now. There is a fair stand. Plenty of rain. Wheat is about 125 per cent over former years. Harvest will be late because of wet weather. Pastures extra good. Eggs 13 cents, butter 25 cents, corn 65 cents.—E. D. Kyle, June 19.

McPherson County—Too much rain is spoiling prospect of all grain crops. Few fields of corn show promise of crops as there is a poor stand and weeds are bad. Oats generally good. Second crop of alfalfa will be ready to cut the last week in June. Pasture never was better.—J. Ostlund, June 24.

Anderson County—Corn is in bad condition from lack of cultivation. Much of the ground is still idle, though some was planted to corn which rotted in the field. Not much kafir or cane planted yet. First crop of alfalfa mostly spoiled in the making. Second crop will be light. Oats look well.—G. W. Kiblinger, June 25.

Pottawatomie County—A hard rain June 17 completely flatted all heavy wheat and washed out much new plantings of corn and kafir. Mowed alfalfa in windrows and shocks washed away or spoiled. Ground is so wet there will be no replanting for at least three days. Harvest will begin about July 1.—S. L. Knapp, June 18.

Shawnee County—Wheat cutting is in full swing. Some fields are too soft to cut. The water damage will be heavy on the bottom lands. Corn looks fine but much is washed out. The second cutting of alfalfa soon will be ready, and will be as heavy as the first cutting. All stock doing well. There is plenty of grass.—W. Ross, June 26.

Ellsworth County—There has been too much rain lately; the wheat will be ripe before the machines can get in the fields. Some farmers expect to start binding Monday, June 28. The headers probably will begin the last of the week if we have no more rain. Corn looking well where there is a stand.—C. R. Blaylock, June 26.

Jackson County—Fields are getting dry enough to cultivate. Corn fields are weedy and badly washed. Wheat harvest will begin in a few days. Wheat will not be more than half crop in this county, being badly damaged by Hessian fly and bugs, and dry weather, early in the spring. Oats are looking well.—F. O. Grubbs, June 25.

Douglas County—Some wheat has been cut on sandy land. Hundreds of acres cannot be cut if we get one or two more rains. Almost all of the wheat on gumbo land already is lost. Wheat in Douglas county will not make more than half a crop. Oats looks very well. Corn is a poor stand, and some land has not been planted yet.—O. G. Cox, June 26.

Rooks County—Wet weather continues. Some fields are showing a damage of 25 to 40 per cent. Unless the heavy rains discontinue, many of the fields of rank wheat will be flat. Corn and kafir are beginning to get a good start. Oats and barley are doing well. Wheat 95 cents; corn 85; oats 65; eggs 12; butter 20; butterfat 22.—C. O. Thomas, June 25.

Sheridan County—Too much rain. Wheat throughout county stands at about 80 per cent. Corn is good but very small. Grasshoppers numerous, but no flies or chinch bugs in the wheat. Harvest will begin about July 12. Teams will be in big demand, and about 1,100 men will be needed. Wages \$3 a day for single man and \$5 for man and team.—R. E. Patterson, June 26.

Allen County—This has been a very wet season. Much of the first cutting of alfalfa is lost. Oats are looking well. Flax fair. Corn getting grassy and lots of the ground will lay over as the season is late. Hay meadows are excellent. Will be more fertile planted this year than usual. Wind has damaged fruit trees. All horses that are not in use go to war.—Geo. O. Johnson, June 26.

Morris County—Excessive rainfall has been a great hindrance to farming operations. Considerable ground not planted yet. Some corn fields are very weedy. Wheat harvest will begin about July 5. Wheat has been damaged by rains. Oats are looking fine. First crop of alfalfa is damaged by rain. Second crop nearly ready to cut. Fertilizer will be used for late planting.—J. R. Henry, June 26.

Reno County—We are having a great deal of rain in this section of the county. Small

(Continued on Page 15.)

Cows and a Milking Machine

Develop a Purebred Herd and Build Plenty of Silos

BY H. F. MEILLER
Minneapolis, Kan.

IT MAKES no difference if the soil is an inch or 10 feet deep it will eventually be worn out by grain cropping, unless something is done to replenish the fertility. Kansas farmers must make radical changes in their methods of treating the soil or face unprofitable farming.

The soil must be fed by applying fertilizer, and raising leguminous crops of which alfalfa is unexcelled, and the plowing under of green crops. Fertilizer can be produced on the farm by the keeping of cattle and feeding them the leguminous and forage crops. The solution of the problem is the dairy cow, the animal that when properly handled brings in a weekly check showing a good price for the feed and work bestowed upon her. In many sections of the East she is the wealth producer, and she will be in Kansas.

The selection of the breed depends upon the market to which the dairyman wishes to cater. For the retail trade the Jerseys and Guerneys are popular. For the condensery the Holstein is best. For producing cream for the open market any dairy breed that is well handled is profitable.

Not many farmers are in a position to purchase a herd of purebred animals but every one can afford to buy a purebred sire and at least one or more purebred females as the foundation stock of the herd to be established. Use any other cows that are in the milking herd if they are at all profitable as milkers. It is surprising in how short a time a herd of purebred and high grade cows can be established.

Proper feeding is as essential as correct breeding. The cow to do her best must have an ample ration that is nutritious and palatable. A part of it at least must be succulent. It is next to impossible to give a succulent feed the year round without the silo.

Silage is one of the most economical dairy feeds that is produced. Not many farmers have land on which they are sure of growing large crops of corn, but nearly every one has land on which he can raise a large tonnage of some crop that is suitable to place in a silo. Ten tons an acre is an ordinary yield and is worth at least \$4 a ton or \$40 an acre. Deducting the cost of placing in the silo, which varies from 50 cents to \$1 a ton, leaves the producer not less than \$30 an acre for the raising of the crop.

Nearly ever farmer has land that will produce alfalfa or can be put in condition to produce it. With good alfalfa hay and silage and a small amount of concentrated feed the feeding proposition is solved.

We have cows in our own dairy that have had no pasture for several years. No one should question the value of the silo. In 1913 Kansas had 600 silos; at the close of 1914 the number was esti-

mated at 10,000. If you have no silo, plan to have one the coming season. If you cannot afford a high priced above the ground silo, make a pit. In many parts of the state the pit silo can be successfully and profitably used.

Now, having determined that the dairy animal is essential to successful farming and having selected a market, a breed, procured the cows and solved the feed question, there still remains the thing that has kept many men from the dairy business—the milking. To make milking worth while the farmer must handle from 10 to 30 cows.

The success of the milking machine is as assured as that of the plow, mower, or any other piece of modern farm machinery. In 10 years the mechanical milker will be as common as the cream separator is now. It is not much more costly than the separator now. The mechanical milker is being profitably used in dairies consisting of from 10 to 20 scrub cows as well as in dairies that are the most celebrated in the country and have cows worth thousands of dollars. The machine process is much cleaner and more satisfactory in every way. The cows like the machine milking better because it is gentle and regular.

There is no other machine that can be put on a dairy farm that will pay for itself as quickly in saving time and work as the mechanical milker. We have used a mechanical milker in our own dairy near this city for the last three years.

Cow May Have Tuberculosis

Our cow, 4 years old, has knots as large as a fist in her flank; loose and movable but hard; also on both sides of neck. Has no cough, and eats and drinks, but is losing flesh. B. D. Sayre, Okla.

I am inclined to believe that this cow is affected with tuberculosis and the enlargements observed are small lymph glands which have become diseased as the result of the tubercular process. I believe that you should have these cattle tested for tuberculosis as soon as possible as they are a constant menace, not only to people using their milk but to other animals as well.

R. R. Dykstra.

Another Prairie Dog Dose

Oliver Dilsaver of Athol, Kan., says this is his way to kill prairie dogs: Put three or four pieces of dry manure, cow or horse, well saturated with gasoline, in the entryway to the dog's home—the prairie dog hole. Follow this with several pieces of manure or sod and on top of this put fine dirt and tamp it down with a spade. Be certain to exclude the air. The gasoline fumes will do the work. The writer says he killed all the dogs in a town of 40 acres with this treatment.



You need a new
DE LAVAL
SEPARATOR
NOW

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

BECAUSE YOUR WASTE IS greatest and quality of product poorest in mid-summer when the milk supply is heaviest.

BECAUSE TIME IS OF GREAT value on the farm at this season and the time and labor saving of the good separator counts for most.

BECAUSE THE SKIM-MILK IS poorest without a separator in hot weather and often more harmful than helpful to calves.

BECAUSE THE WORK OF AN improved De Laval Cream Separator is as perfect and its product as superior with one kind of weather as with another.

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

BECAUSE THE LOSSES OF THE poor separator from incomplete skimming and the tainted product of the hard-to-clean and insanitary separator are greatest at this season.

BECAUSE OF THE GREAT ECONOMY of time at this season in having a separator of ample capacity to do the work so much more quickly.

BECAUSE AN IMPROVED DE Laval is so much simpler and

more easily handled and cared for than any other, and you cannot afford to waste time these busy days "fussing" with a machine that ought to have been thrown on the junk-pile long ago.

BECAUSE THE DE LAVAL Separator of to-day is just as superior to other separators as the best of other separators to gravity setting, and every feature of De Laval superiority counts for most during the hot summer months.

These are all facts every De Laval local agent is glad of the opportunity to prove to any prospective buyer. If you don't know the nearest De Laval agency simply write the nearest main office, as below.

THE DE LAVAL SEPARATOR CO.

165 Broadway, New York 29 E. Madison St., Chicago
50,000 BRANCHES AND LOCAL AGENCIES THE WORLD OVER

World's highest Silo
easily filled with

BLIZZARD
Ensilage Cutter

Silos keep going higher, but never too high to be filled with a Blizzard. The silo in the picture is almost 100 ft. high—the elevating height is 93 ft.—and a No. 18 Blizzard does the work easily. The big silo is on the farm of Allie Christ, Seven Mile, Ohio.

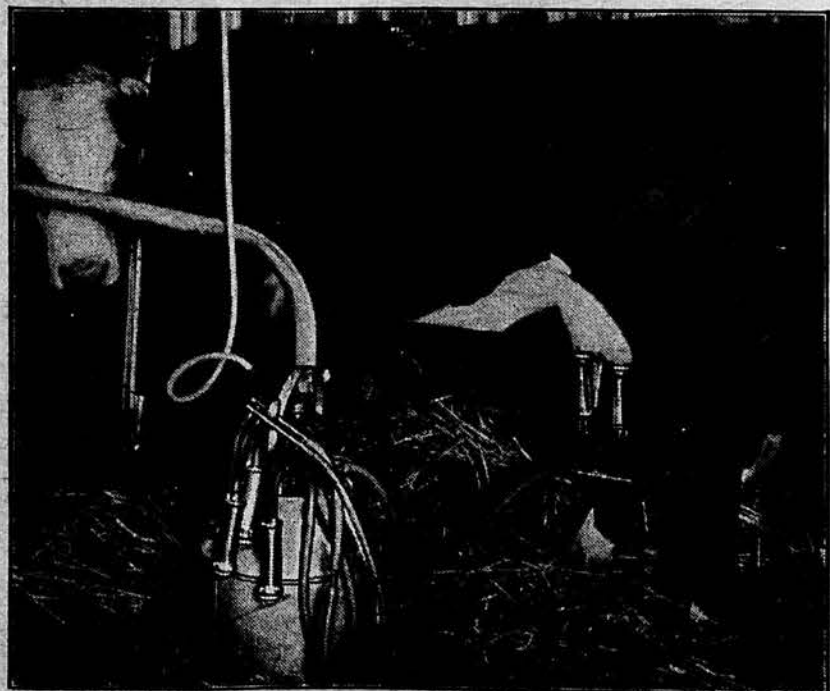
The Blizzard is light-running. Your regular farm engine will run it. It has an enormous appetite. Makes you hustle to keep it fed. Self-feed table saves one man's work. Simple, easy to run, absolutely safe. Cuts evenly—runs day-in-day-out without a hitch—costs little or nothing for repairs—many still in use after 10, 12 and 14 years service.

Send for the 1915 catalog

—get the whole story of what the Blizzard can do for you.

The Joseph Dick
Mfg. Company

Box 34
Canton, Ohio



The Success of the Milking Machine Is as Assured as That of Any Other Piece of Modern Farm Machinery.

FARMERS CLASSIFIED ADVERTISEMENTS

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. The rate is low: 5 cents a word; four or more insertions 4 1/2 cents a word. Here is a splendid opportunity for selling poultry, livestock, land, seeds and nursery stock, for renting a farm, or securing help or a situation. Write us for proof that it pays. Everybody reads these little ads. Try a classified advertisement now.

POULTRY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

PLYMOUTH ROCKS.

BUFF ROCKS—WILLIAM A. HESS, Humboldt, Kan.

WHITE PLYMOUTH ROCKS ONLY FOR 18 years. \$1.00 for 15, \$4.00 for 100 eggs. Josias Lambert, Smith Center, Kan.

BARRED ROCKS. 68 PREMIUMS. EGGS \$1.00 and \$2.00 for 15. Breeders sale. Mattie A. Gillespie, Clay Center, Kan.

DUFF'S MAMMOTH BARRED ROCKS. Young and old stock ready to ship now. Half price. A. H. Duff, Larned, Kansas.

RHODE ISLAND REDS.

FINE SINGLE COMB REDS. HENS AT \$10.00 per doz. to reduce my stock. Reds that are Reds. D. H. Welch, Macksville, Kan.

ROSE COMB RHODE ISLAND REDS EXCLUSIVELY. Six grand pens mated to roosters costing from \$15.00 to \$40.00. Eggs at sacrifice prices after May 10. 15 eggs \$1.25; 30 eggs \$2.00; 50 eggs \$3.00. Order from this ad or send for catalog. Splendid range flock \$3.00 per 100 eggs. W. R. Huston, Americus, Kansas.

LEGHORNS.

R. C. BROWN LEGHORN. NOW HALF PRICE. \$2.50 hundred. W. Girout, Concordia, Kan.

EGGS. S. C. BROWN LEGHORN. WON first on cockerel, pullet and pen. \$2.00 per 15, \$5.00 per 100. H. N. Holdeman, Meade, Kan.

SINGLE COMB WHITE LEGHORNS. Chix hatched now lay this winter. Eggs special price \$3.00 per hundred. Harry Givens, Madison, Kan.

WYANDOTTES.

WHITE WYANDOTTE EGGS AND COCKERELS from prize winning stock. Eggs, 15 for \$1.00, 50 for \$3.00, 100 for \$5.50. We guarantee nine chicks per setting or duplicate at half price. Cockerels \$2.00, 3 for \$5.00. G. A. Wiebe, Beatrice, Nebraska.

LANGSHANS.

BLACK LANGSHAN EGGS 5 CTS. EACH. Mrs. Geo. W. King, Solomon, Kan.

BLACK LANGSHAN EGGS, FROM MY best pens and yard, at 1/4 price. \$1.50 and \$3.00. J. A. Lovette, Poultry Judge, Mullinville, Kan.

DUCKS.

INDIAN RUNNERS, SILVER CUP WINNERS. Burt White, Burlingame, Kan.

BROWN AND WHITE RUNNER DUCK EGGS \$2.75 100. J. S. Schneider, Howard, Kan.

YEAR OLD INDIAN RUNNER DUCKS; White and Fawn and White; five ducks and one drake for \$5.00; laying now. Hal Reid, Liberal, Kan.

LIVE STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

POLLED ANGUS BULLS FOR SALE. M. H. Arnold, Toronto, Kansas.

ABERDEEN ANGUS BULLS. TRAIN COLLIES. Jno. Marriage, Mullinville, Kansas.

SHEPHERD PONIES, MARES, YOUNG, gentle, broken to ride. John B. Greer, Marion, Kan.

HIGH GRADE HOLSTEIN CALVES, either sex, 3-4 weeks old. \$17 each, crated. Burr Oak Farm, Whitewater, Wis.

SEEDS AND NURSERIES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

SPANISH PEANUTS. \$1.00 FOR 30 LBS. John W. Burkes, Aline, Okla.

WHIPPOORWILL PEAS, FREE FROM weevil, \$1.80 per bushel; 10 bushel lots, \$1.70 per bushel. F. O. B. cars Ft. Smith. Fort Smith Seed Company, Ft. Smith, Ark.

LATE SEASON—AFRICAN KAFIR. THIS wet, late season has made it necessary to plant early-maturing crops. Your one best bet is the Kafir grown from that I imported from Africa last year. This matures in 75 days and also makes excellent fodder. I guarantee this was even in height and unmixed. \$1.75 per bushel, while it lasts. Write today. Asher Adams, Osage City, Kan.

WINTER EMMER—HARDEST OF ALL cereals. Stands drought best. Provides more winter pasture than rye or wheat. Yields 50 to 125 bushels. Resists Hessian fly and chinch bugs. Write for samples, prices and booklet about successful "101" Ranch winter grain crops, also forage crops—Sudan grass, Seeded Ribbon cane, Kafir, feterita, etc. Miller Brothers, "101" Ranch, Box J, Bliss, Okla.

ORANGE CANE SEED 75C BU. ON TRACK. Sacks free. Jas. Stephenson, Clements, Kan.

NANCY HALL'S SOUTHERN QUEEN POTATO plants \$2 thousand 5,000 lots prepaid. Prompt shipment. Acme Plant Company, Bentonville, Ark.

FOR SALE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

SCOTCH COLLIES. WESTERN HOME Kennels, St. John, Kan.

MALE COLLIE PUPS. \$3.50 EACH. VERNON Marshall, Conway Springs, Kan.

FOR SALE—FOUR BOTTOM MOLINE ENGINE gang plow. Howell Bros., Gaylord, Kan.

PURE BRED SCOTCH COLLIE FEMALE puppies two fifty each. M. L. Dickson, Englewood, Kan.

NEW BEETS JUST RIGHT FOR CANNING \$1.00 per hundred pounds. D. Debacker, North Topeka, Kan.

ENGINE PLOW FOR SALE—JOHN Deere 10-14 in. bottom; one 12-14 in. bottom; one 14-14 in. bottom; good condition; will sell cheap. L. A. Jordan, Winona, Kan.

PRAIRIE HAY. WE HANDLE HAY IN large quantities and can make shipment any day. Ask for delivered prices. The Osage City Grain & Elevator Co., 416 Main street, Osage City, Kansas.

FOR SALE OR TRADE

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

IF YOU WANT TO BUY, SELL OR LEASE hotels, write me. E. Coltrane, Hotel Broker, Hutchinson, Kansas.

FOR SALE OR TRADE—13 H. P. STEAM engine good shape or will trade automobile for small separator. T. F. Waters, Mayetta, Kan.

GROCERIES AND CHINAWARE; NO FIXTURES; to exchange clear for clear land or town property; goods are new; in stocks from \$1,000 to \$25,000. Ernest Key, 302 Poynts Ave., Manhattan, Kan.

BUSINESS CHANCES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

UNUSUAL OPPORTUNITY TO SECURE interest in concrete silo and grain bin business of exceptional merit. \$500 and services required. Address, Success Silo System, Kansas City, Mo.

CREAMERY WANTED: INDUCEMENTS in free location and half cost of machinery. 800 cows tributary. Rock Island and Frisco. High, healthy Ozark Valley—Good farms cheap. Write J. P. Hodge, Mansfield, Arkansas.

LANDS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

GRAY CO. LAND FOR SALE. \$12.50 TO \$30.00. J. H. Kimes, Montezuma, Kan.

FOR SALE—80 ACRES 4 MI. NORTH EMPORIA. Inquire of owner, J. M. Bell, Belleville, Kansas.

FOR SALE—1/4 SEC. RUNNING WATER, timber, good soil, improved. Write Box 25, Edmond, Kan.

FOR SALE—160 A. BEST PART INDIANA, highly improved. 3 R. R. within two miles. Mrs. Will Rhoades, Converse, Indiana.

AN OLD HOMESTEAD IN THE FAMOUS Sharon Valley for sale. Write me for price and terms. Frank J. Warren, Sharon, Kan.

FOR SALE—10 SMALL, WELL IMPROVED farms in Haskell Co., the garden spot of central west Texas. H. L. Sherrill, owner, Temple, Texas.

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

FOR SALE OR TRADE—5 ACRES IMPROVED, within walking distance of city. Address Henry Vesper, 1420 Washington street, Topeka, Kan.

SWEDISH GERMAN, BOHEMIAN OR ANY good farmers write for my booklet of 50 irrigated farms. No payment required; 1 to 10 years to pay. In North Texas not far from Ft. Worth and Dallas. E. C. Stovall, Owner, Graham, Texas.

FOR SALE—ONE QUARTER SECTION, well improved, 5 1/4 miles of county seat of Grant Co., Okla. B. E. Dick, owner, Raymondville, Texas.

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.

IMPROVED FARM 320 ACRES; PART BOTTOM; 4 mi. Winfield. Owner non-resident; must sell. For improved acreage tracts, city homes, write Progressive Realty Co., Winfield, Kan.

FOR SALE. \$25.00 PER ACRE. RED RIVER Valley, Minnesota. Any part or all 8,400 acres. One to four miles from town. Easy payments. S. F. Novotny, Cedar Rapids, Iowa.

120 ACRES TWO MILES FROM TOWN. Good buildings, orchard, other timber, fenced and cross-fenced, hog-tight; running water. Only \$8,000. W. T. Miller, Langdon, Kansas.

320 A. STOCK FARM BARGAIN, WOODS Co., Okla. 100 a. cultivation, bal. pasture, fenced and cross fenced. \$4,000.00. Incumbrance \$1,000.00. No trades. Write J. M. Sears, Lambert, Okla.

SOUTHEAST OKLAHOMA WHEAT AND oat farm for sale extra cheap direct from owner. Need money quick in other business. Half cash, balance easy. W. J. Milburn, owner, 701 Colcord Bldg., Oklahoma City, Okla.

FREE LAND—ANOTHER DISTRIBUTION of choice land, part of Demonstration Plantation, the show plantation of the South. Free to people having it improved within five years. Need never live on the land. Address Commissioner H. L. Holmes, Block 31, Calvert, Alabama, for particulars.

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 house, etc. Fine place for farmer who wants to move to the capital city. Price \$5,500, worth more. Cash or term. Interest only 6 per cent instead of the usual 7 per cent. No trade. Address R. W. E. care Mail and Breeze.

200 ACRE PHILLIPS CO. ALFALFA, stock and grain farm. 135 acres bottom, no overflow. 35 acres pasture and wood lot. 50 acres first class alfalfa. 115 acres in cultivation. 10 acres fenced hog tight in 2 lots. 22x38 hog house, cement floor. 38x40 barn, one side cement floor, gutter and stanchions for cows. Hay mow above. Good ash and elm timber in pasture. Well with windmill near house, with reservoir. Water piped to calf lot, hog house, pasture. Good cattle shed. 2 hen houses. Small orchard. Good 4 room stone house, good repair. 10x20 granary, cave, separator house, calf shed. Bull pen with shade and water. All fenced and cross fenced. 1 1/4 miles to good town. No trades. Price \$60.00 per acre. Five thousand cash; 5 years balance. Address Lock Box No. 5, Speed, Kan.

MODERN RANCH HOME—480 ACRES OF land, 200 under cultivation, 100 in wheat, 45 corn, 45 alfalfa, 10 in feed, 40 acres fenced hog tight of which 5 acres is in alfalfa, 30 acres mow land, 250 pasture. Entire farm is fenced and cross fenced, watered by springs, also windmill and tanks, 2 room house, pantry and closets, fixed for furnace heat, large stone arched cellar, practically new barn with stalls for 12 horses, stanchion for 10 cows, hay room for 20 tons, fitted with track and rope, 14 foot shed on each side running full length of barn, new granary with cement floor, room for 3,000 bushels, corn crib for 1,000 bushels, hog and cattle sheds for feeding. An ideal stock and grain farm located 7 1/4 miles from Glasco, 1 1/2 miles from school, rural mail route at door and in good neighborhood. Price \$20,000. For further information and terms, write Col. W. H. Harper, Glasco, Kan.

FARMS WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

I HAVE SOME CASH BUYERS FOR SALEABLE farms and ranches, owners only. Write C. C. Buckingham, Houston, Texas.

WANTED TO HEAR FROM OWNER OF good farm for sale. Send cash price and description. D. F. Bush, Minneapolis, Minn.

WANTED—TO HEAR FROM OWNER OF good farm or unimproved land for sale. H. L. Downing, 111 Palace Bldg., Minneapolis, Minn.

I HAVE SOME CASH BUYERS FOR SALEABLE farms. Will deal with owners only. Give full description, location, and cash price. James P. White, New Franklin, Mo.

PATENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

SEND FOR FREE BOOKLET, "ALL ABOUT Patents and their cost. Shepherd & Campbell, Patent Attorneys, 500 C Victor Bldg., Washington, D. C.

PATENTS, THAT PROTECT, CAREFUL honest work in every case. Your ideas may bring you wealth. 64-page book free. Estab. 1880. Address Fitzgerald & Co., 316 F St., 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.

LUMBER.

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

1915—LUMBER! BUY IT RIGHT! WE'll save you big money. Farmer's trade a specialty. The mill direct to you. Think of it. No. 1 dimension \$10 plus freight. We require no payment until material is unloaded and proven satisfactory. Send bill now, for estimate. Local Lumber Company, Tacoma, Washington.

FARM MACHINERY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

SMALL POWER THRESHERS FOR GRAIN, maize, peanuts, peas, etc. Hand and Pony hay presses. Particulars free. W. H. Stopple, Dallas, Texas.

MUSIC

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

GET THE LATEST SONGS SIX MONTHS before they reach your city. Send twenty-five cents for three new songs and catalogue. We furnish any music published. Song poems wanted also. Etna Sales Co., 1431 Broadway, New York City.

BEES AND HONEY

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

ITALIAN BEES FOR SALE. A. H. DUFF, Larned, Kan.

SPECIAL PRICE LIST PURE CALIF. honey free. Produced by one of our Calif. apiaries. Explains grades, sized packages, prepaid prices. Inspection allowed before payment. Sample for dime to pay postage. Spencer Apiaries, Dept. D, St. Louis, Mo.

PET STOCK

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

WHITE RABBITS. PURE WHITE, PINK-eyed bunnies; nice pets; fine ones, only 50c each. Write for prices on matured males, bred does, or does with young. Gerald McClaskey, 228 The Drive, Topeka, Kan.

KODAKS and SUPPLIES

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

KODAK ALBUM FREE—MENTION THIS magazine. Films developed 10c any roll, prints 2c up. We give many valuable premiums with finishing. The Fox Co., San Antonio, Texas.

HELP WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

GOVERNMENT FARMERS WANTED. \$60 to \$125 monthly. Age 21 to 50. Osment, 387, St. Louis.

MEN-WOMEN WANTED. \$75.00 MONTH. List government jobs open—free. Franklin Institute, Dept. A-51, Rochester, N. Y.

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

I CONDUCTED GOVERNMENT EXAMINATIONS—can help you secure railway mail or other government positions. Trial examination free. Osment, 387, St. Louis.

FIREMEN AND BRAKEMEN; \$100 monthly; experience unnecessary; hundreds needed by the best railroads everywhere. Particulars free. 796 Railway Bureau, East St. Louis, Ill.

FARMERS WANTED—MEN AND WOMEN everywhere. Government jobs \$70 month. Short hours. Vacations. Rapid advancement. Steady work. Many appointments during summer and fall. Common education sufficient. Write immediately for list of positions now obtainable. Franklin Institute, Dept. A. 51, Rochester, N. Y.

AGENTS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

WANTED—AGENTS FOR HEALTH AND accident insurance. National Travelers Benefit Ass'n, 301 New England Bldg., Topeka.

BOY AND GIRL AGENTS; SELL 24 PACK-ages of needles for us, at 10c each and receive a pair of fine skates or doll free. Write today. Modoc Co., (Brighton Beach) Brooklyn, N. Y.

AGENTS—MAKE BIG MONEY SELLING our washing machines. Experience not necessary. Complete, durable, easily operated shows for itself. Write today. Ray Mfg. Co., Sterling, Kan.

SILO AGENTS WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

SELL REINFORCED CONCRETE STAVE
silos. Write Success Silo System, Kansas City, Mo.

OPEN TERRITORY FOR TABER LINED
Silo, the only non-shrinkable wood silo manufactured. Address Taber Lumber Co., Dept. 1, Keokuk, Ia.

CREAM WANTED

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

CREAM WANTED—THE INDEPENDENT
Creamery Company of Council Grove, Kansas, buys direct from the farmer. Write for particulars.

MISCELLANEOUS

Advertisements under this heading will be inserted at 5 cents a word. Four or more insertions 4 1/2 cents a word each insertion. No display type or illustrations admitted.

ENSILAGE CUTTER WANTED. CARTER,
531-16 St., Denver.

FORMULA: FOR MAKING ANYTHING
under the sun sent for ten cents, three for 25c. John Schloesser, Charleston, Arkansas.

WANTED TO RUN ENGINE OR SEPA-
rator; machinist; 9 yrs. field experience. M. L. MacPherson, Route 3, Carthage, Mo.

FARMERS, SEND NAME AND ADDRESS
for the squarest razor proposition ever offered. Paul Pritchard, Ottawa, Kan., R. 4, Box 5.

WALNUT LOGS WANTED, 14 INCHES
and up diameter, in carload lots; cash paid at shipping point. Frank Purcell, 515 Dwight Bldg., Kansas City, Mo.

TELEGRAPH OPERATORS EARN GOOD
salaries. We train you in four to five months for actual service, either Morse or Wireless; positions sure. Write today. Wichita Telegraph College, Wichita, Kan.

WANTED BY MARRIED MAN AND WIFE.
Middle aged, experienced Kansas farmers, want to rent a good stock proposition for a term of years, where owner and renter make good. Reference unlimited. Address 747 Park Ave., Racine, Wis.

WANTED BY ENERGETIC MAN WHO HAS
wife and two children, on a farm where I can make good. Have had experience and am capable of taking charge of a good sized farm or ranch the year around. L. Whorley, 205 E. St. Sou, Herington, Kan.

ARE YOU TIRED FARMING? WOULD
you like to be in other business that will make you more money than you are making now and live in town? If this interests you write for details. J. G. Robinson, 1902 S. Walnut St., Coffeyville, Kan.

FREE ILLUSTRATED BOOK TELLS OF
about 300,000 protected positions in U. S. service. Thousands of vacancies every year. There is a big chance here for you, sure and generous pay, lifetime employment. Just ask for booklet S-68. No obligation. Earl Hopkins, Washington, D. C.

CHIROPRACTIC DOCTORS MAKE LARGE
incomes; our graduates earn \$3000 to \$6000 yearly; be independent; work for yourself; this big paying profession easily learned by correspondence; special rates now; illustrated book free. American University, Dept. (310), 162 No. Dearborn St., Chicago.

BIG WESTERN WEEKLY SIX MONTHS
10 cents. Biggest and best general home and news weekly published in the West. Interesting and instructive departments for young and old. Special offer: six months' trial subscription—twenty-six big issues—10 cents. Address: Capper's Weekly, Dept. W. A-12, Topeka, Kan.

BEE SUPPLIES Five per cent discount allowed on orders sent in this month. Write for catalogue. Clemons Bee Supply Co., 127 Grand, Kansas City, Mo.

BUILD YOUR OWN GRANARY

Write for Plans of the King Granary
Total Material Cost Only \$75

Built of select yellow pine—cut to proper dimensions. Ready to put together complete with doors, ventilators and special hardware. Capacity 1,000 to 1,400 bushels.

Nothing to rust out. Absolute safety in storing and saving grain. Easily constructed by our scientific bolt arrangement.

Total Cost to You Only \$75

Let us send you plans of this new granary, price \$1.00 (which will be refunded if the lumber is bought from us).

Write for our big Catalog and House Plan Book sent FREE postpaid.

KING'S
Housewrecking, Salvage and Lumber Co.
1802 Troost Ave.
Kansas City, Mo.



Wheat Estimate is Large

(Continued from Page 12.)

corn and broomcorn washed under. Too late to replant. Wheat is turning yellow and will be ready for the header in 10 days. Second crop of alfalfa is 10 inches tall. Early corn cultivated once and most fields are free from weeds. Oats are headed out. Wheat 96 cents. No sale for corn.—D. Engelhart, June 25.

Rice County—The storm of June 23 did great damage to wheat and oats. Much wheat is down. Some fields will be almost a total loss from army worm. Oats are good but lodged somewhat. Corn that has been cultivated is growing well. Second crop of alfalfa will be ready for cutting about harvest time, which will probably begin July 1. Farmers are still hauling old wheat at \$1.06. Corn 82 cents.—L. N. Six, June 25.

Pawnee County—We are having summer showers. Second cutting of alfalfa will be heavy, and is nearly ready to cut. Early sown wheat will be ready to harvest in about 10 days. Demands for horses and mules are good, and prices are high. In the hall area in the northeast part of the county, several hundred acres are plowed for fall sowing. Wheat sells for \$1.05; eggs 13; butter 18-25.—C. E. Chesterman, June 26.

Woodson County—We have been able to work but a few days the last two weeks, and it was too muddy then. Wheat harvest is near and the fields are too soft to start cutting. A great deal of idle land to be planted to kafir, milo, feterita, and cane. All fields will not be planted because haying time is at hand. Oats will be about one-half crop. Hens 9 cents; eggs 14; butter 17; cream 23; corn 70.—E. F. Opperman, June 26.

Clay County—Corn and oats doing fine. Alfalfa ready for the second cutting. All river bottom crops are destroyed by floods, which means a loss to the county of at least \$300,000, perhaps 1/2 million dollars. The wheat is damaged by Hessian fly, chinch bugs, rust in the heads and falling down. Harvest seems to be not so near as it was a week ago. Some soft wheat may do to cut in a few days.—H. H. Wright, June 26.

Norton County—Hail storms caused losses in parts of the county. Hessian flies damaged wheat in the eastern part of the county. Wheat, oats and barley show rank growth. Smut and rust have been discovered in some fields. Pastures are looking fine. Strawberries and cherries made a good crop. Cherries selling for \$2.50 a bushel. Fruit trees set out on one irrigated farm last year, 550 of them, show a very heavy growth. Only lost 10 trees out of the lot.—Sam Teaford, June 26.

Ottawa County—This is a good week for farm work. Solomon valley is overflowed by heavy rains up the river. Highest since 1903. Several thousand acres of crops have been ruined. Many farmers diked to save crops from inundation. Harvest will begin next week. Much of the heavy wheat is down. Some rye is cut, and a good crop is expected. Corn is making a rapid growth. Oats are looking well. Meadows and pastures best in years. No trains running on the Solomon branch this week, and no mail.—W. S. Wakefield, June 26.

Trego County—Lots of rain and hail. Wheat nearly all killed out in East Trego. Oats will not make one-half crop. Corn is doing fairly well. Fruit hit pretty hard by hail. Had a 2-inch rain the night of June 23. Potatoes will be a short crop. Gardens have been badly damaged. Feed outlook generally poor. Hay prospects good. Pastures extra good. Stock doing fine. Considerable 1914 wheat going to market, at about \$1. Corn 80 to 85 cents. Many farmers are plowing under their wheat. Harvest will not begin until after July 4.—W. F. Cross, June 24.

Riley County—We are having continuous rains. More of the river bottoms were flooded June 19. Lots of culverts washed out. No train service for days. Wheat lodged on low lands and fertile soil. Some fly and rust damage. Corn on sloping fields washed out or buried. Some fields are weedy. Only a few farmers have started to work their corn the second time. Early planted corn looks well. Oats are looking fine. Second crop of alfalfa is ready to cut. Harvest will begin about July 1. Potatoes will make a good crop, gardens looking fine.—P. O. Hawkins, June 26.

Rush County—There is plenty of moisture in the ground to make the wheat crop, which will be about 78 per cent of last year. There has been severe damage in this county by hail. Wheat harvest will begin July 5. Oats and barley will make a heavy cut. Corn in good condition but late. Kafir, milo, cane, and feterita a fair stand and doing well. Pastures are looking well. All kinds of stock are doing well, but files are making their appearance. Second crop of alfalfa about ready to cut. The potato crop will be fair. Gardens doing well. Weather cool and pleasant.—J. F. Smith, June 26.

OKLAHOMA.

Blaine County—Much damage has been done wheat and oats by heavy rains. Harvest began June 20 but is progressing slowly because of rain. Corn and feed crops look extra fine.—Henry Willert, June 24.

Cotton County—Harvest is in progress. Some grain lost by unfavorable weather. Cotton acreage has been decreasing. Corn is in tassel. Wheat 86 cents; corn 80; cream 21.—Lake Rainbow, June 26.

Alfalfa County—Wheat damaged by hail, wind and rain. Not more than a third of the crop can be saved. Oats are down and it is uncertain if any can be saved. Nearly all listed crops are either washed out or covered up.—J. W. Lyon, June 24.

Beaver County—Wheat is ripening fast. Some will do to cut in a day or two. Yield promises to be from 10 to 20 bushels an acre. There is some complaint of insects. Rain is badly needed for growing crops and gardens. Pastures are getting a little short in places.—E. I. Walters, June 23.

Hughes County—We had a heavy rain on June 24. We have good prospects for a bumper corn crop this year. The oats and wheat crops have almost all been shocked. These crops will not make what we hoped for. About 65 binders and three threshers were sold by Holdenville dealers. The cotton crop is looking well, but several fields have not been chopped out yet. Plenty of ripe peaches at 35 cents a bushel; potatoes 30 cents. The peaches are not so good as the late ones.—Alvin Haskett, June 25.

A \$45 Saddle for \$36 Cash

Our latest Swell Fork Saddle, 14 inch swell front, 28-inch wool lined skirt, 3-inch stirrup leather, 1/2 rig, made of best leather, guaranteed for ten years; beef hide covered, solid steel fork.



The Fred Mueller
Saddle and Harness Co.

1413 Larimer St.
Denver, Colo.

Send your name for our catalogue, now ready.

The Celebrated Mueller Saddle.

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 Testers, 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 money. Lighting and Tractor Engineering Free. Write today for our Free Book and the \$50.00 Free Scholarship Certificate.

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

Good Bye Mr. Louse!

No more dipping or spraying. Keep your herd healthy and free from vermin and parasites with a **National Automatic HOG OILER**. Works like magic. Strong, durable and simple. Can't get out of order. Price only \$7.50. Thirty days' trial. Satisfaction or money back. If your dealer will not supply you do not accept a substitute but write to National Factories, Inc. Dept. 1-1, Richmond, Ind.

Write, Phone or Wire!

We have the stock and can make immediate shipment, enabling you to preserve 100 per cent of your corn crop in the

INDIANA SILO

Easy to erect. No special tools or skilled labor needed. Every silo guaranteed. You pay for the Indiana Silo out of what it saves on feed bill. Address nearest office. **THE INDIANA SILO CO.**
Anderson, Ind. Des Moines, Iowa
Kansas City, Mo. Ft. Worth, Texas

SUDAN GRASS

For Late Planting at 12 1/2 c

per lb. here. Matures seed or 2 hay crops equal to Timothy after July 15th. Overcome the poor prairie proposition after July 1st. Will take 1-2 seed or 1-3 hay as payment. All seed is pure Kansas Grown, extra heavy, well matured seed with highest germination tests. Address, **American Grain & Seed Co., El Dorado, Kansas**

YOU

Will Use Improved Advance Pump Governors on ALL your Pumps Sometime—Why Not Now?

The weight is stored in the springs. They make hard working pumps work so easy a child can operate them; windmills run in slightest breeze; pumping engines, with less than half the gas. Adjust to fit all pumps. Warranted five years. Order now and have water in abundance, always with ease. Your money back if not exactly as represented. Price Only \$5.00 Each.

You can clear over \$80.00 per week selling them. Instructions to sell with first shipment. Exclusive territory to salesmen. Patented in United States and Canada.

INTERNATIONAL FOUNDRY CO.,
DEPT. L. ST. PAUL, MINN.

FREE To Every Farmer!

Here is a book that every farmer needs—a book that every farmer must have if he desires to know how to stop the losses and increase the profits of the modern business of farming. This book contains 60 pages, printed and ruled especially for keeping accurate account of everything you raise, sell and buy. Covers every phase of farm accounting, shows expenses, losses and profits at end of each year, also 62 tables and rules for farmers. No bookkeeping knowledge required. Bound in strong covers.

Our Offer We want every farmer to have one of these useful books and will send it free to all who send 25c to pay for 1 year's subscription to our popular home and farm journal. Address, **VALLEY FARMER, Dept. AB-10, Topeka, Kansas**



Less Work

By using low "Electric" steel wheels on your old running gear or using our



Handy Steel Wagon
Save high lifts, get light—er draft, prevent rutting, save money in repairs—steel wheels do not dry out or rot. Write today for free catalog on wagons and wheels. **ELECTRIC WHEEL CO., 30 Elm St., Quincy, Ill.**

Lyon & Healy Band Instruments

Healy
Fifty Years the Standard of America
Lyon & Healy American Professional Cornet plays like Sixty—costs only Thirty Dollars. Write for complete catalog with terms, and be sure to tell us what instrument you are interested in.
LYON & HEALY
41-46 Adams St., Chicago

30 DAYS FREE TRIAL

and freight prepaid on the new 1915 "RANGER" bicycle. Write at once for our big catalog and special offer. Marvelous improvements. Extraordinary values in our 1915 price offers. You cannot afford to buy without getting our latest propositions. **WRITE TODAY!** Be a "Rider Agent" and make big money taking orders for bicycles and supplies. Get our liberal terms on a sample to introduce the new "RANGER" TIRES, equipment, sundries and everything in the bicycle line half usual prices. Factory prices on Motorcycle and Automobile Supplies.
MEAD CYCLE CO., DEPT. S-177, CHICAGO

"My Ford wont steer right—I'm afraid of it"

"A bump in the road—a rut—a short turn round a corner—EANG—I lose control. Another accident."
"Did you ever have the steering wheel spin out of your hands, or the front wheels lock, or the car just slide away from you in making a turn?"
"Good Night!"
"Well, I've got the answer. Paid \$3.95 for a Reliable Steering Device—tool steel springs, and simple as A. B. C. Just bolted it on myself in ten minutes to brace rods and steering rod. That's all—no more trouble. Old car steers like a \$5,000 touring car."
"Most satisfaction I ever got out of anything. Cheapest life insurance too. Say, friend, get wise. Send \$3.95 today and get the Reliable. A kid can bolt it on—It's so simple."
"If it isn't the best you ever saw, you get your money back. Or, if you want to get more dope on this wonder ask for Circular, illustrations and a couple of hundred glowing testimonials from happy users."
Agents Wanted.
RELIABLE FORD STEERING DEVICE CO.
411 Commerce Bldg., Kansas City, Mo.

"Ropp's Commercial Calculator"

A Book of Great FREE Value to Every Farmer

This book is the greatest time and labor saver ever offered the American farmer. It is also a great money-saver and money-maker. It shows you how to accurately and instantly figure out any problem that may come up—how to figure estimator, wages, taxes, and interest on any sum of money, any number of days, at any rate—tells bushels and pounds in loads of grain; correct amount at any price; weight and prices of livestock; contents of cribs, wagons, bins, etc. It is a "lightning calculator" always ready when you want it. Bound in red cloth covers, 128 pages, pocket size. One copy of this famous book free to all who send 25c for a year's subscription to our well known home and farm monthly **VALLEY FARMER** Dept. 11, **TOPEKA, KAN.**

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 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 could be counted the windows and tell the colors of a house 7 miles away and could study objects 10 miles away which were invisible to the naked eye. Absolute necessity for farmers and ranch men. They can keep their eyes on the cattle, horses or men when far distant.

Our Offer!! We will send one of these big telescopes free and prepaid to all who send \$1.00 to pay for one year's new or renewal subscription to Mail and Breeze, and 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.



BIG BARGAINS IN REAL ESTATE

Dealers whose advertisements appear in this paper are thoroughly reliable and the many bargains are worthy of your consideration

Special Notice All advertising copy discontinued or 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 electrolyzed.

320 A. wheat land, \$4. 1/2 cash, bal. 3 yrs. Owner, Box 443, Syracuse, Kan.

ALFALFA land, Sedgwick Co. Write for price list. G. R. Davis, Valley Center, Kan.

52,000 A. RANCH, New Mex. \$2.50 per a. Terms. H. L. Baker, La Crosse, Kan.

960 A. Hamilton Co.; all grass, plenty water. 30 a. Walter & Patton, Syracuse, Kan.

FINE imp. farms \$35 up. Catholics write. New church. John Collopy, Turon, Kan.

FORD CO. farms, Catholic College and community. Millikan & Turner, Dodge City, Kan.

80 A. 3 ml. out. Good imp. 25 a. alfalfa. Price \$5,500. Decker & Booth, Valley Falls, Kan.

EASTERN KANSAS corn, alfalfa and wheat land \$40 up. A. E. Clark & Son, Pomona, Ka.

SUMNER CO. wheat and alfalfa farms. Write for list. F. J. Wolfe, Conway Springs, Kan.

190 A. IMP. 46 alfalfa, bal. wheat, corn, pasture, \$12,000. Lindholm & Son, Kingman, Ka.

BARGAIN—Choice, well improved quarter. Good terms. J. E. Sullivan, Effingham, Kan.

IMP. FARMS, alfalfa, corn and wheat lands \$50 up. Mott & Kohler, Herington, Kan.

FARMS and ranches, northeast Kansas, \$35 to \$125 acre. Geo. Loch, Marysville, Kan.

FREE! Illustrated booklet describing richest Co. in Kan. Hoesy Land Co., Columbus, Ka.

480 A. ALL GRASS. Every acre can be cult. \$12.50 per acre. Box 215, German Colonization Co., Plains, Kansas.

200 A. 1 1/2 miles Minnesota, 150 a. in cultivation, bal. pasture. Well imp. \$42.50 per a. Terms. Nate Neal, Minneola, Kan.

MUST SELL—12 highly improved alfalfa and grain farms; will pay car fare for 30 days to see these lands. Tate, Howard, Kan.

1/2 SEC., 200 cult., 20 alfalfa, bal. pasture, well improved, spring and well. \$18,000. Terms. Hill & Murphy, Holsington, Kan.

NESS CO. 320 a. farm, 3 ml. from good R.R. town, some imp. fine soil. Price \$50. Terms. Other farms. V. E. West, Ransom, Kan.

HAVE 10 GOOD RANCHES 1000 to 10,000 a., well watered, Barber Co. Wheat and alfalfa farms. Terms. Kackley, Hutchinson, Kan.

BARGAINS in imp. alfalfa, corn and wheat farms. Right prices, easy terms. Proctor & LeGrande, South Haven, Sumner Co., Kan.

WHEAT, OATS, CORN, ALFALFA lands. Famous Sumner County, Kansas. 1/2 wheat with farms. H. H. Stewart, Wellington, Kan.

BARGAIN: Improved 200 acres, 120 cultivated; 40 bottom, running water, timber; price \$12,000. Will consider small trade. Write Studebaker, Salina, Kan.

FINE 400 acre stock farm, 240 acres cultivation. First class alfalfa, wheat and corn land, 160 acres pasture. Fine fencing, silo, barn and other improvements. \$37.50 per acre. Couch Land Co., Anthony, Kan.

FINE BARGAINS in wheat and alfalfa land on Solomon Valley. Send for fine list of Layton Bros., Osborne, Kansas.

160 A. well impr. 1 ml. town, \$15,000. 240 a. fine improvements, \$24,000. J. Jensen, Hlawatha, Kansas.

FOR BARGAINS in improved farms in Catholic settlements. Exchanges made. Write Frank Kratzberg, Jr., Greeley, Kansas.

480 A. level wheat land, 8 ml. elevator. Unimproved. \$8,500.00 or \$3,000 quarter. Geo. W. Day, Meade, Kansas.

BEAUTIFUL RICH GRAIN & GRASS FARM Butler County, 520 a. 150 cult.; bal. grass. Level, well imp., fine location, \$17,000. V. A. Osburn, El Dorado, Kan.

10 QUARTERS Gray county, sell any quarter or all \$15 per a. Wheat adjoining 25 bu. These are bargains, apply quick. Chas. I. Zirkle, Garden City, Kan.

160 ACRES in north Morton county; black loam soil; all in grass; every foot tillable; \$6 per acre. L. J. Pettijohn, Dodge City, Kan.

WESTERN lands in Kansas, Oklahoma and Colorado. Wheat and maize lands in any quantities. Cash or terms. W. F. Craddock, Richfield, Kansas.

IMPROVED DAIRY FARM—70 acres pasture, 25 alfalfa, 65 cult., close to big "Pet" milk condensery. Price \$8,750. Write Papes, Mulvane, Kansas.

NICE smooth 800 a., 5 miles Copeland, Gray Co., Kan. All tillable; best of wheat land. Part in cultivation. \$20.00 a. Good terms. Chas. E. Dye, Preston, Kan.

SCOTT CO. WHEAT LANDS, best quality, no Hessian fly, rust, or chinch bugs. Yield 1914, 25 bu. per a. 1915 double that of 1914. Abundance good water. \$15 to \$25 a. Scott Co. Land Co., Scott City, Kan.

MORTON COUNTY, KAN., LANDS. 320 acres, level, black loam soil, shallow to water. Price \$1400 cash. Investigate. Cecil B. Long, Richfield, Morton Co., Kan.

WE HAVE FINE FARMS of all sizes and ranches. We can suit the homeseeker or investor. Prices will undoubtedly be higher after our big crop is harvested. Let us send you free big list of bargains, illustrated. Buxton & Rutherford, Utica, Ness Co., 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.

FOR SALE. 40 acres, improved, three miles Valley Falls; 1/2 mile school. \$100 per a. 120 acres, improved. 3 1/2 ml. Valley Falls, 1/2 mile school. \$80 per acre. Bargains in any size farms. Write or see Herman Farm Agency, Valley Falls, Kan.

WE OWN 13,600 ACRES IN FERTILE Pawnee valley, smooth as a floor; best alfalfa and wheat land on earth; five sets of improvements; shallow water; will sell 80 acres or more. Frisell & Ely, Larned, Kansas.

EVERYBODY SAYS they're worth it. 1/2 sec. no imp., extra good, all in wheat, \$20,000. 1/2 sec. rolling, imp., good for stock farm, \$15,000. 160, no imp., priced right. 80 a. \$3,000. Clark & Keller, Pratt, Kansas.

WHEAT AND ALFALFA LANDS. Santa Fe Railroad land. Easy payments. Ellis Thornhill, Halstead, Kansas.

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

IN THE KANSAS WHEAT BELT. Double your money in a few years. 160 a. smooth land \$20 acre. 640 a., no improvements, smooth wheat land, \$17.50 per acre. G. L. Painter, Dodge City, Kan.

MARION COUNTY LAND BARGAINS. 80 a. extra nice rich level land not improved, 5 1/2 miles of town. If you mean business and see this land you will take it at the low price offered. Write for full particulars. Other larger tracts. Molohan Land Co., Peabody, Kan.

15 YEARS TO PAY FOR STOCK FARM IN CHASE COUNTY, KANSAS. 320 acres 6 1/2 miles town, 70 acres cultivated, 10 acres alfalfa, timber, 250 acres best grazing. Everlasting water. Five room house, extra good barn, orchard, telephone, 1 1/2 miles school. Price \$12,500.00. \$1,500.00 cash, balance 15 years at 5 per cent. J. E. Bocoek & Son, Cottonwood Falls, Kan.

2—Rare Bargains—2 Choice level 160 a. farm, \$4 a. cash. Also well imp. alfalfa farm 160 a. Perfect title. Immediate possession. \$50 a. Terms. Western Real Estate Exchange Co., Syracuse, Ka.

80 Acres Only \$1000 Only 7 ml. Wichita. Good, smooth black loam soil. Plenty bldgs. Possession at once. Only \$6,000. \$1,000 cash, time on bal. R. M. Mills, Schweiter Bldg., Wichita, Kan.

BUY OR TRADE. 36 page exchange book 5c. Berale Agency, El Dorado, Kan.

200 ACRES, nicely imp., 40 a. alfalfa, to trade. Youngs Realty Co., Howard, Kan.

LAND, sale or exch. Mo. to Pacific, Dakota to Gulf. Fultz, 311 1/2 N. Main, Hutchinson, Ka.

BIGHAM & OCHILTREE sell and trade best corn, alfalfa, wheat land in U. S. Write for list. 116 N. 8th, St. Joseph, Mo.

HEADQUARTERS for best wheat and alfalfa lands in Kansas; will exchange and assume. Jones Land Co., Sylvia, Kansas.

FARM and grazing lands, Custer, Blaine, Thomas and Hooker Cos., for sale and trade. B. C. Emptfield, Broken Bow, Neb.

FARMS AND RANCHES, imp. and unimp., for sale or trade throughout Western Kansas. Eugene Williams, Minneola, Kan.

STOCK RANCH, 460 A. 160 a. cult., 100 a. bottom; 45 a. alfalfa, bal. native grass. Will run 100 head cattle. Good imp. Want N. W. Okla. A. A. Murray, Westmoreland, Kan.

FOR SALE OR TRADE, well improved 80 acre farm. Neodesha three miles. John W. Deer, Neodesha, Kansas.

6 STOCKS of general mdse., 3 stocks of hardware and implements, 10 residences, 8 farms, to exchange for income property. Hemphill Land Co., Lawrence, Kan.

TWO NICELY IMPROVED Harvey Co. farms, and \$16,000.00 clothing stock, for Western Kansas land. Cook & Francis, Newton, Kan.

FOR SALE or trade for western Kan. land, two good stone store buildings in Scottsville, Mitchell Co., Kan. W. H. Drinkers, Beloit, Kan.

EASTERN KANSAS RANCH For Sale or Trade. 1440 acres good grass, 600 acres mow land. Price \$20 per acre. Will take small improved farm as part payment. Write Theodore Voeste, Olpe, Kansas, or J. H. Crites, Fredonia, Kan.

THE BEST PLACE FOR A HOME The best school town in Kansas surrounded by a rich farming country. Farms and city property for sale. T. B. Godsey, Emporia, Kan.

WRITE US TODAY for free lithographed maps of Ness County, Kansas, and list of land bargains. Miner Bros., Ness City, Kan. Established 1885.

FARM BARGAIN One of the finest 80 acre improved farms in Nemaha Co., Kan., for quick sale, at a great bargain; terms, no trade.

SEWELL LAND CO., GARNETT, KANSAS

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

GARDEN CITY ALFALFA LANDS I own and offer for sale 760 a. shallow water lands, 1 to 3 miles east Garden City, Kan. Most all in alfalfa now. Prices \$50 to \$150 per acre, any size tracts. 1/2 cash, bal. in 10 annual payments.

B. L. HART, Owner, Commerce Bldg., Kansas City, Mo.

FARM SNAPS We shall sell four farms between now and September 1st at whatever they will bring. Your own price and your own terms. Will accept as low as one-fifth down—balance over period of twenty years if desired. This may seem "fishy" but we mean just what we say. If you can use one of these farms it will pay you to write for further information and description.

640 acres—choice for all grains and grasses improved—within eighty miles of Kansas City, near Sedalia—All Tillable.

Any part of 800 acres extra choice, Linn County, Kansas, near good towns.

240 acres Labette County, Kansas—well improved—near Parsons.

The best orchard bargain in United States; 218 acres, half orchard; thoroughly equipped, and combined with hogs and poultry. Eastern Kansas. Big crop this year.

Refer any Bank in Kansas City. If interested at all, write us today.

INLAND SECURITY CO., Commerce Bldg., Kansas City, Mo.

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.

WE WANT more settlers to locate on the rich, mellow clay loam farm land in Rusk Co. Write for free map and folder. Faust Land Co., Box 101, Comrath, Wis.

FOR SALE OR EXCHANGE

160 ACRES IMPROVED, Wilson Co., Kan., \$10,000. 3 houses Fredonia, Kan., \$2,200. Trade for farm north of Kaw and east of Blue Rivers.

Bader & Webster, Junction City, Kan.

SIX APARTMENT flat, south near Armour Blvd. Rents \$2880; price \$30,000. 12 apartment \$50,000; good \$25,000, \$20,000 and \$14,000 general mdse. All want farms.

G. W. Goldman, N. Y. Life Bldg., K. C., Mo.

EXCHANGE—GRAIN AND ALFALFA FARM 320 a. 1 ml. Waverly. Good land, about 1/2 in alfalfa, clover and blue grass, balance good farming land. Nicely located. Well improved. Price \$100.00 per a. Will take good small stock ranch in Kansas.

W. H. Latham, Waverly, Kan.

DAIRY FARM. 100 acres one mile of railroad town in north Mo. 40 acres alfalfa, 20 acres timothy meadow, 25 acres of corn, rest blue grass pasture. Town property. Good improvements. Ideal poultry, dairy, stock, grain, prairie farm. Crop failure never known. Would trade for larger farm near a good railroad town. Price \$15,000 cash.

Lock Box 1433, Harris, Mo., Sullivan Co.

FINE STOCK AND GRAIN FARM FOR SALE OR EXCHANGE. 480 a., 158 a. in cultivation, 43 a. alfalfa and tame grass, remainder in blue grass pasture, 6 room house, barn 40x40, hay shed 44x60, 200 ton silo, other outbuildings, close to school, and town. Will consider exchange for good wheat land up to half value.

Write for full description of this, and other farms for sale and exchange. MANSFIELD LAND COMPANY, Ottawa, Kansas.

BUSINESS INCOME Three story solid brick building on Grand Ave. in the heart of the business center of Kansas City, Mo., to exchange for good farm or ranch. Write us for other bargains.

THEODOR C. PELTZER INVESTMENT CO. 534 Scarritt Bldg., Kansas City, Mo.

MISSOURI

KEBAN & WEGNER, real estate, Lockwood, Mo. Write for information, English or German.

160 A. well imp. Well and spring. 60 a. cult., bal. timber. R. F. D. and phone. \$17.50 a. Terms. J. A. Hunt, Marshfield, Mo.

160 ACRES for \$1,200.00. 40 a. cult., bal. in virgin timber. 3 room house, barn, etc. Close to school and P. O. I have other bargains. R. F. Jenkins, Ava, Mo.

ROCKAWAY BEACH, the choicest spot on beautiful Lake Taneycomo in South Mo. Fine fishing, boating, bathing. Lots; Acres; Farms. Low prices. Easy terms. Literature free. A. Merriam, Ellis & Benton, Kan. City, Kan.

20 A. well imp., all level, fenced, 2 a. timber. Suitable for chicken ranch, \$1,000. A. Cawthra, Fordland, 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.

160 ACRES FOLK CO., MO. Four miles from Bolivar, the county seat. Fine public road, rural mail, telephone. Farm highly improved. Best of soil, running water, ideal for raising blooded stock. Trade established. Prices right and liberal terms. (Owner.) R. H. Brown, Bolivar, Mo.

CENTRAL MISSOURI FARMS—Write for descriptive price list of corn, wheat, clover and bluegrass farms that will prove profitable and satisfactory for homes and investments. HAMILTON & CRENSHAW, Box 7, Fulton, Mo.

Fine Southwest Missouri Farm AT A BARGAIN.

320 acres, 250 in high state cultivation, fenced and cross fenced with wire, fine 3 room house, 3 good barns and other outbuildings, fine well, 4 everlasting springs and creek, 3 miles to good town on Frisco R. R., 1/2 mile to school, R. F. D. and telephone. \$37.50 per acre. Terms. R. S. Phillips, Marshfield, Missouri.

AN OZARK BARGAIN

Eighty acres unimproved fruit land, splendid neighborhood, one mile and half from railroad, same distance from Merimac river in Dent County, Missouri. Seven miles from Salem, the county seat; \$15.00 per acre. First check for \$1200 takes it, perfect title.

I. D. GRAHAM, CAPPER BLDG., TOPEKA, KAN.

ARKANSAS

WRITE Dowell Land Company for bargains in Arkansas lands. Walnut Ridge, Ark.

RICH VALLEY FARMS with all new buildings on most liberal terms ever offered. Valley Park Imp'm't Ass'n, Edwardsville, Ill.

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

ARKANSAS farms and cut-over timber lands are safe and sensible investments. Right now is the time to buy. Write for list and pamphlet. Ben H. Crowley, Paragould, Ark.

COME TO ARKANSAS. Scott Co., near Waldron, Co. seat; 40, all valley, 35 cult., 3 fruit; cosy home, \$1,000. Nice 69 a., 29 cult., rich land, house, barn, fruit, \$1,250. 120 a. beautiful, 50 valley, 2 houses, 9 barns and outbuildings; finest water, price \$1,000, half cash. Get list Mo. and Ark. bargains; no trade. Township map Mo. or Ark., 15c postpaid. Lot, "Land Man," 1015 Baltimore Ave., Kansas City, Mo.

122 A. 4 ml. of Waldron, Co. seat. 65 a. in cult.; valley land; 2 sets improvements; good fruit; good roads. Price only \$25 per a. Frank Bates, Owner, Waldron, Ark.

STOP PAYING RENT! Own your own home. Cheaper than renting. Our new plan tells you how. Rich, sure crop land, no rocks or swamps. Free Map. Tom Blodgett Land Company, Desk 3, Little Rock, Ark.

80 ACRES, bench and upland, with 60 cleared. House, barn, orchard, etc. Good neighborhood, 6 miles out. Price \$1,365.00. Other farm lands for sale. Write J. L. McKamey, Imboden, Ark.

WE HAVE SPECIAL bargains in farm lands in St. Francis bottom and on Croley's Ridge, the finest farming and fruit lands in the world. Write for descriptive list, terms and prices. No swamps, no chills, but a healthy country. 3 railroads, good public roads, the best public high school in the state. C. B. Evans & Co., Piggott, Ark.

NEW YORK

150 MONEY MAKING NEW YORK farms for sale now at half actual value by McBurney & Co., Bastable Block, Syracuse, N. Y.

HERE IS A FARM on trolley line and macadam road, 180 acres, one mile from town fifteen thousand population. Stock and tools, 3 houses, 5 barns, large silo, 15 head cattle, 3 horses, corn harvester, mower, rake, grain drill, roller, cultivators, plows, bean harvester, potato digger, 4 wagons, sleighs, harnesses, a lot of tools. All goes for \$11,000. \$4,500 cash, bal. ten years' time. Insurance \$7,450. Write for particulars. This is a fine farm. Hall's Farm Agency, Owego, Tioga Co., New York.

COLORADO

FOR SALE: Fruit tracts and irrigated farms in Northern Colorado. Write me what you want. A. H. Goddard, Loveland, Colorado.

A FEW REAL BARGAINS in land. 160 acres all farm land, 5 miles from town, 1/2 mile to school; good little house, 20 feet to soft water. 35 acres in corn now. \$15 per acre. Harry Maher, Deer Trail, Colo.

FARMERS neither dry out nor drown out! Farm Colorado irrigated land. \$15 to \$35 including water rights, also Kansas and eastern Colorado dry lands. Morris Land Co., Lawrence, Kansas.

TWO FINE improved Colorado farms 320 and 640 acres near railroad—7 and 12 miles from Denver. Good water rights, fully equipped and stocked for general farming, poultry and hog raising, all under cultivation. Big grain crops and big money makers. For quick turn price and terms address E. W. Genter, Owner, 619 Commonwealth Bldg., Denver, Colo.

ELBERT COUNTY

20,000 acres of land in the rain belt in ELBERT COUNTY, COLORADO, where corn is making from 20 to 30 bushels, oats 30 to 80 bushels and all crops in proportion. \$8.00 to \$25.00 per acre, your terms.

Our specialty, 160 acres seven miles of good town and railroad, 120 acres in cultivation, north slope, fair improvements, all fenced, \$1,100 worth of crops were taken off of this farm in 1914. Price \$12.50 per acre. Terms.

Write us for description and literature. We need you and you need the land. THE SILLS LAND COMPANY, SIMLA, ELBERT COUNTY, COLORADO, or PUEBLO, COLORADO.

OKLAHOMA

40 A., 3 room house, outbuildings, 20 a. cleared, 1 ml. P. O. Price \$300. Other farms cheap. Baker Land Co., Poteau, Okla.

SOUTHERN REALTY CO., McAlester, Okla., is offering cheap farms and pastures in Eastern Oklahoma, on good terms. Write them if interested.

I'M STILL SELLING LAND at \$8 to \$30 per acre. Over 100 farm homes sold to readers of Mail and Breeze in the past ten years. My Free List and Map will interest you. Perry DeFord, Oakwood, Okla.

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

BARGAIN.

Well improved 160 acres in Kay County, 4 miles to town, 1/2 mile to school, crop worth probably \$1,000.00 goes if sold soon. \$2,500.00 cash, \$5,000.00 good terms. Mason Investment Co., Newkirk, Oklahoma.

Oklahoma Land For Sale

Good land in Northeastern Oklahoma; price from \$20.00 to \$35.00 per acre. Write for price list and literature. W. C. Wood, Nowata, Okla.

FOR SALE BY THE OWNER

One of the best valley farms in northeastern Oklahoma; 25% cash; balance long time. Extra strong land, no overflow, splendid improvements, two or three sets of good buildings; 643 acres; can be divided to make two or three good farms; 3 ml. east of Vinita, Craig County, Okla. W. M. Mercer, Aurora, Ill.

Big Advance Sure

Following this big crop, there is certain to be a sharp advance in the price of farm lands in Oklahoma this fall and winter. It is the time to buy. Buy before the rush commences and get in on the advance. Why not clean up a few hundred or a few thousand dollars profit the next few months? You could not lose and in all probability would gain some easy money. The man who wants a farm for a home can never again buy so cheap. I sell only our own lands so you will have no commissions to pay. Come and see me. Frank Meadows, Hobart, Okla.

NEBRASKA

CHEYENNE CO. wheat averages 25 bu. Corn 35. A few snaps at \$15 to \$30. Easy terms. Osborn & Kratz, Bonded Abstractors, Sidney, Neb.

COMB. stock, grain and dairy farms. 50% cheaper than same quality land farther east. Howard & Richardson, Ravenna, Neb.

MONTANA

FAMOUS JUDITH BASIN, MONTANA. Wonderful grain and stock country, rainfall unfailing, mild winters, delightful summers, healthful climate, crop failures unknown, extra fine stock ranches, natural alfalfa and timothy land, greatest non-irrigated grain growing section in United States, holds record winter wheat and barley. No destructive insects. Write for literature. J. W. Studebaker, State Agent, McPherson, Kansas.

REAL ESTATE WANTED

QUICK CASH for property or business. No matter what or where it is. Special terms to owners. Dept. F, Co-operative Salesman Co., Lincoln, Neb.

IDAHO

IMPROVED irrigated lands, \$60 a. up. Write for booklet. J. C. Lindsey, Twin Falls, Idaho.

FLORIDA Farming pays. Rich rolling lands. Practically every crop grown here profitably. Land prices below real value. Get in on ground floor. Write. Board of Trade, Box 501, Quincy, Fla.

Beef Prices Show Advance

Grain Market Dropped at First of Week, Then Slowly Rallied Because of Improved Export Trade

THE net results of the week in the cattle market are moderate advances on all kinds of beef cattle, and the uncovering of a healthy demand for stuff offered. Prices are barely steady. A comparatively large number of prime native cattle were in Kansas City last week, heavy natives selling up to \$9.40, and yearlings at \$9.25. Straight heifers were included at the latter price. Butcher grades are firm. Good to choice cows sold up to \$7.75, and bulls to \$7.50. Order buyers bought some cattle in Kansas City, but they say that prices are relatively higher there than in Chicago. This cut down their orders. An order for good native cows at \$6.75 remained unfilled here, as they could not be bought for less than \$7. Dogie steers sold at \$8.40 to \$8.80 yesterday, which cost the feeder \$5.75 last fall. North Texas fed steers sold in the quarantine division at \$7.50 to \$8.75, the latter highest price of the season in that division; south Texas grassers brought \$7 to \$7.65. A train of Arizona barley fed steers brought \$7.85 to \$8.25, prices that caused the owners to load another train immediately, which will be here first of next week. The last of the Colorado pulp fed steers for this season arrived, and brought record prices, up to \$9.05. Panhandle fed steers reached \$9.25, a new high record for that class. The hog market has been active and healthy, top \$7.65, bulk within a dime of that price, as all kinds are selling close together, heavy weights slightly below the others. Receipts were light for the week, and buyers will have a good appetite for them next week. It is understood that packers now desire a seven-dollar market for hogs, but up to this time they have made little progress in that direction. Sheep and lambs have gained 15 to 30 cents in the week, native spring lambs selling at \$9.80, 30 cents above the close of the week before, and shorn yearlings at \$7.70. Arizona springs sold for \$9.60 this week. Texas wethers \$6, yearlings, \$6.50 to \$7, ewes \$4.75 to \$5.75, feeding lambs \$6 to \$6.50, a band of yearling breeding ewes at \$6.75. Receipts have been light, and will so continue for the next six weeks.

The range in prices of cattle last week was as follows:

FAT STEERS.

Prime heavy, corn fat.....	\$8.90 @ 9.40
Prime medium weight.....	9.00 @ 9.50
Good to choice.....	8.60 @ 8.85
Fair to good.....	7.75 @ 8.55
Western steers, choice.....	8.50 @ 9.10
Fair to good.....	7.85 @ 8.45
Common to fair killers.....	7.00 @ 7.80
Prime yearlings.....	8.50 @ 9.50

COWS AND HEIFERS.

Prime.....	\$7.00 @ 7.50
Good to choice.....	6.50 @ 7.00
Fair to good.....	5.75 @ 6.45
Cutter cows.....	5.25 @ 5.70
Canners.....	4.65 @ 5.20
Prime heifers.....	8.75 @ 9.50
Fair to choice.....	7.85 @ 8.70
Common to fair.....	6.50 @ 7.80

QUARANTINE CATTLE.

Steers, grain fed.....	\$8.25 @ 8.75
Steers, meal and cake fed.....	7.50 @ 8.75
Steers, grass fat.....	5.75 @ 7.75
Cows and heifers.....	4.75 @ 7.35

FEEDERS AND STOCKERS.

Selected feeders.....	\$8.00 @ 8.50
Good to choice feeders.....	7.75 @ 8.00
Medium to good feeders.....	7.25 @ 7.65
Common to fair feeders.....	6.85 @ 7.20
Selected stockers.....	8.00 @ 8.50
Medium to good stockers.....	7.25 @ 7.90

FARM LOANS

FARM AND CITY MORTGAGES a specialty. Write us if you wish to borrow. Perkins & Co., Lawrence, Kan.

FARM LOANS, Missouri, Kansas, Oklahoma and Arkansas, low rates, liberal privileges, most favorable terms. No delay. You get all you borrow.

The Deming Investment Co., Oswego, Kan. Branch offices: Wichita, Kan., Oklahoma City, Muskogee, Durant, Okla.; Little Rock, Ark.

Make Your Kansas Mortgages

earn from 12% to 25% instead of 6%. Our method is authorized by our state laws and endorsed by our leading bankers, lawyers, merchants and farmers. Particulars free.

E. F. Parks, 412 Bittling Bldg., Wichita, Kan.

TEXAS

CHEAP LAND. McMullen Co., Texas. Only \$1 per a. cash, bal. 10 yearly payments. fine climate, all good land. F. A. Connable, Commercial Bank Bldg., Houston, Tex.

NOW IS THE TIME TO BUY good black prairie land near Houston; any size tract; very cheap; easy terms. L. Bryan & Company, Houston, Texas.

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.

FOR SALE

Farms, ranches and business propositions in south and southwest Texas, or lovely homes in beautiful Yoakum. Are you interested? Write us just what you want and we will help you to get it. Can make you low prices and long terms. We also have some fine colonization propositions. Watch our ads. Woolsey-Lacy Realty Co., Box 249, Yoakum, Texas.

Common to fair stockers.....	6.85 @ 7.20
Stock cows.....	5.50 @ 6.85
Stock heifers.....	6.00 @ 8.00
Stock calves.....	7.00 @ 8.50
Killing bulls.....	5.00 @ 5.50
Veal calves.....	6.50 @ 10.00

HOGS.

Choice hogs, over 200 pounds.....	\$7.55 @ 7.65
Choice hogs, over 250 pounds.....	7.50 @ 7.60
Light hogs, 150 to 200 pounds.....	7.50 @ 7.65
Rough to common.....	7.30 @ 7.45
Stags.....	6.70 @ 7.30
Bulk of sales.....	7.50 @ 7.65

SHEEP.

Spring lambs.....	\$9.00 @ 9.80
Clipped lambs.....	8.00 @ 8.75
Clipped yearlings.....	7.50 @ 7.60
Clipped wethers.....	5.50 @ 6.00
Clipped ewes.....	4.75 @ 5.65
Goats.....	4.25 @ 4.65

Movement of Horses and Mules.

The movement of horses and mules on army contracts continues large, but domestic trade remains quiet. Dealers who hold the big contracts say prices remain about the same as recently.

Receipts in the last seven days were 869 head, compared with 1,231 in the preceding week and 515 a year ago.

Prevailing quotations are as follows:

Drafters, 1,700 pounds up.....	\$200 @ 250
Drafters, fair to good.....	165 @ 195
Chunks.....	135 @ 175
Southerners, fair to good.....	75 @ 170

Grain Market Developed Strength.

Wheat prices broke to below \$1 a bushel the first of the week. Slowness of export demand did much to force the decline. Weakness in wheat began under the influence of more favorable weather, especially in Oklahoma and Kansas. Then came word that cutting was general in important sections of Illinois, Missouri and Indiana and that the first car of new wheat this season had arrived at St. Louis. Beside, threshing returns from Oklahoma were said to show yields greater than had been expected. Corn suffered in value owing to the break in wheat.

Indications of a decided improvement in export business turned the wheat market from weakness to strength a little later in the week. Reports that the Norwegian government had purchased 1,250,000 bushels of wheat at the seaboard proved especially influential in causing speculative shorts to rush to cover. Although word of the big sale to Norway did not receive entire credence among the usually best informed dealers, no doubt was expressed but that transatlantic business had picked up and that Chicago dealers were disposing of some wheat destined for Europe. Assertions of disappointing threshing returns from Kansas and Missouri and of adverse crop conditions in North Dakota gave the bull side further advantage.

Bad crop reports and the wheat rally brought about a strong market in corn. Oats developed firmness when other cereals tightened up. Provisions swung higher with grain.

Cash sales of grain were: No. 2 nominally \$1.15@1.20; No. 3, \$1.14@1.20; live weevil, 1 car \$1.09, 1 car \$1.06.

Soft wheat was scarce and prices were unchanged to a cent higher. Sales were: No. 2, nominally \$1.15@1.17; No. 3, nominally \$1.12@1.16; No. 4, \$1.10. Mixed Wheat—No. 2, \$1.10. White Spring—No. 3, \$1.03.

Corn prices were 1 to 2 cents lower. Demand was moderate. Sales were: No. 2 white, nominally 73¢@73½¢; No. 3, nominally 72¢@72½¢; No. 4, nominally 71½¢; No. 2 yellow, nominally 74¢@75¢; No. 3, nominally 73¢@74¢; No. 2 mixed, 73½¢; No. 3, nominally 72¢@72½¢; No. 4, 71½¢; sample, 1 car heating 62¢, 1 car hot 61¢.

Oats prices were: No. 2 white, nominally 45¢; No. 3, nominally 44¢; No. 2 mixed, nominally 41½¢@42½¢; No. 3, nominally 40½¢@41¢; No. 3, 1 car 43¢, 1 car like sample 43¢.

The Hay Situation Unchanged.

Trade in hay was quiet at unchanged prices. Top grades were the only kinds that sold readily.

Quotations follow: Prairie, \$12.50@13.50; No. 1, \$10@12; No. 2, \$6.50@9.50; No. 3, \$4@6. Timothy, No. 1, \$15@16; No. 2, \$10@14.50; No. 3, \$7@10. Clover mixed, choice, \$15@15.50; No. 1, \$13@14; No. 2, \$7@12.50. Clover, No. 1, \$12@13; No. 2, \$8@10. Alfalfa, choice, \$15@16.50; No. 1, \$13@14.50; standard, \$11@12.50; No. 2, \$8@10.50; No. 3, \$5.50@7.50. New alfalfa, choice, \$13@14; No. 1, \$11.50@13; standard, \$9.50@11; No. 2, \$6@9; No. 3, \$4@6. Straw, \$4.50@5. Packing hay, \$3@3.50.

Produce and Poultry Quotations.

Kansas City, Mo.—Quotations on 'change were as follows:

Eggs—Extras, new white wood cases included, 13½¢ a dozen; firsts, 17¢; seconds, 13½¢. Butter—Creamery, extra, 26¢ a pound; firsts, 24¢; seconds 22¢; pound prints, 1¢ higher; packing stock, 19½¢. Live Poultry—Broilers, 19¢@22¢; hens, No. 1, 12¢; roosters, 8½¢; turkeys, 13¢; ducks, young, 14¢; old, 10¢; geese, 6¢.

The growing of vegetables for the local market offers profitable returns to the man who produces a good product and places it on the market in a neat, attractive form.

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 S. Nebraska, 220 Lincoln St., Topeka, Kan.
Ed R. Dorsey, North Missouri, Iowa and Illinois, Cameron, Mo.
Jesse R. Johnson, Nebraska, 1937 South 16th St., Lincoln, Neb.
C. H. Hay, S. E. Kan., So. Mo. and E. Okla., 4204 Windsor Ave., Kansas City, Mo.

PUREBRED STOCK SALES.

Claim dates for public sales will be published free when such sales are to be advertised in the Farmers Mail and Breeze. Otherwise they will be charged for at regular rates.

Jacks and Jennets.

Sept. 15—W. H. Ronejue, Atlanta, Mo.
Oct. 15—Geo. Lewis & Son, Stahl, Mo.

Shorthorn Cattle.

Aug. 12—Chris Wilson, Glasco, Kan.
Oct. 18—E. E. Carver & Son, Guilford, Mo.
Oct. 27—Henry H. Kuper, Humboldt, Neb.
Oct. 28—E. E. Dowell & Son, Hiawatha, Kan.

Holstein Cattle.

Nov. 17—Mott & Sanborn, Herington, Kan.

Poland China Hogs.

Sept. 1—C. D. McPherson, Grantville, Kan.
Sept. 28—J. O. James, Braddyville, Ia.
Oct. 7—Ed. W. Cook, Pattonsburg, Mo.
Oct. 15—O. B. Clemetson, Holton, Kan.
Oct. 18—E. E. Carver & Son, Guilford, Mo.
Oct. 19—Sigel Brown, Reeds, Mo.
Oct. 20—A. F. Blinde and Geo. Brown; sale at Tecumseh, Neb.
Oct. 20—H. C. Graner, Lancaster, Kan.
Oct. 21—H. B. Walter, Effingham, Kan.
Oct. 23—Fred B. Caldwell, Howard, Kan.
Oct. 26—Herman Gronniger & Sons, Bendena, Kan.
Oct. 27—Fred G. Laptad, Lawrence, Kan.
Oct. 29—J. D. Gurthel, Pattonsburg, Mo.
Nov. 3—J. L. Griffiths, Riley, Kan.
Jan. 18—D. C. Loneragan, Florence, Neb.
Jan. 21—A. F. Blinde and Geo. Brown; sale at Auburn, Neb.
Jan. 25—A. J. Swingle, Leonardville, Kan.
Feb. 2—Frazer Bros., Waco, Neb.
Feb. 3—H. J. Beall and Wisel Bros., Roca, Neb.
Feb. 4—J. A. Godman, Devon, Kan.
Feb. 11—S. A. Nelson & Sons, Malcolm, Neb.
Feb. 15—Herman Gronniger & Sons, Bendena, Kan.
Feb. 16—H. C. Graner, Lancaster, Kan.
Feb. 17—Ed Sheehy, Hume, Mo.
Feb. 17—H. B. Walter, Effingham, Kan.
Feb. 18—J. H. Harter, Westmoreland, Kan.
Feb. 27—Ben Anderson, Lawrence, Kan.

Spotted Poland China Hogs.

Sept. 23—Thos. F. McCall, Carthage, Mo.
Oct. 6—H. T. Dickerson, Jameson, Mo.
Nov. 2—Alfred Carlson, Cleburne, Kan.

Duroc-Jersey Hogs.

July 28—Dr. C. E. Still, Kirksville, Mo.
July 28—A. L. Guthridge, Clearwater, Kan.
Sept. 1—W. W. Oley & Sons, Winfield, Kan.
Sept. 2—C. D. McPherson, Perry, Kan.
Oct. 14—Geo. Klumshire, Holton, Kan.
Oct. 27—Fred G. Laptad, Lawrence, Kan.
Nov. 3—Martin Kelley, Verdon, Neb.
Nov. 8—E. N. Farnham, Hope, Kan.
Nov. 18—Mott & Sanborn, Herington, Kan.
Jan. 24—Geo. Briggs & Sons, Clay Center, Neb.

Feb. 24—J. M. Layton, Irving, Kan.

Chester White Hogs.

Feb. 24—J. M. Layton, Irving, Kan.

S. W. Kansas and W. Oklahoma

BY A. B. HUNTER.

In this issue appears an ad from an old friend of the Farmers Mail and Breeze who, as far back as 1884, located in Osborne county, Kansas, used the paper in selling

LIVESTOCK AUCTIONEERS.

FLOYD CONDRAY, Stockdale, Kansas

R. L. Harriman, Bunceton, Mo.
Selling all kinds of pure bred livestock. Address as above

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.

Livestock auctioneer. Write for open dates. **Jas. T. McCulloch, Clay Center, Kan.** The breeder: I am selling for every year. Write for open dates.

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

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

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 Aug. 2, 1915. Are you coming?

Missouri Auction School
Largest in the World. W. B. Carpenter, Pres. 818 Walnut St., Kansas City, Mo.

Col. E. Walters Skedee
W.B. Carpenter Oklahoma
818 Walnut St. Kansas City, Mo.

Sell your farms and city property at auction, as well as your pedigreed livestock. Write either for dates. Also instructors in

Missouri Auction School

HOGS FEED CHICKENS

Meat Meal—Feeding Tankage, Ground Bone—Meat Scraps. For particulars and prices address
COCHRANE PACKING COMPANY
 Central and Water Streets, Kansas City, Kansas.

BERKSHIRES.

Hazlewood's Berkshires
 Spring boars, bred gilts—immune: priced to sell.
W. O. HAZLEWOOD, WICHITA, KANS.

High-Class Berkshires
 Winter and spring pigs of either sex and outstanding boars a specialty. Write
J. T. BAYER, YATES CENTER, KANSAS

Big Type Unpampered BERKSHIRES

Cholera Immune. 150 sows bred to Fair Rival 10th, King's 4th Masterpiece, Trusttype, King's Trusttype, and the great show boar King's 10th Masterpiece. All long, large and heavy boned. Sows farrow every week from March 1 to Dec. 1. 80 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.

Sutton Farm Berkshires**The Greatest Winners of 1914**

Winning at the five leading state fairs, Missouri, (inter-state) Iowa, Nebraska, Kansas and Oklahoma where are held the largest swine shows in the world—over 100 Championships, firsts and seconds, including Grand Champion Boar Prize at each show on the 1000-pound DUKE'S BACON.

Herd headers, foundation stock and show yard material our specialty.

Sutton Farm, Lawrence, Kans.**POLAND CHINAS.**

Pigs—big type—pedigreed. Pairs and trios. Shipped on approval.
Davis Bros., Box 12, Lincoln, Nebr.

Big Type Poland China Pigs

Big husky fellows ready to ship. Pairs or trios not related, sired by Smooth Columbus, Mc. Wonder, Big Wonder and Wonder Chief. Farmers prices. Write for guaranteed descriptions. **Ed. Sheehy, Hume, Mo.**

HEDGE WOOD STOCK FARM**Leading Big Type Polands**

For the next 60 days we will make special prices on weanling pigs. **R. F. HOCKADAY, PECULIAR, MO.**

Fairview Poland Chinas

For Sale: Choice fall boars, some good enough to head herds. Write us for prices and guaranteed descriptions.
P. L. WARE & SON, PAOLA, KANSAS

I Am Booking Orders for a fancy line of my blue ribbon, reserve champion and grand champion boars, also out of prize winning sows. Satisfaction guaranteed. Express prepaid. Start a fancy herd from one of the greatest show herds in existence. **W. Z. BAKER, Rich Hill, Mo.**

ENOS BIG TYPE POLANDS!

Extra good young boars ready for service by Orphan Chief and Giant Jumbo; 5 herd headers in the lot. Also a few choice gilts for first of May farrow. Prices right. Quality high. Must sell soon. **A. R. Enos, Kansas, Mo.**

Becker's POLAND CHINAS

Spring gilts, Hadley, Expansion, Mastodon, and other leading strains and sires 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

Elkmere Farm Poland Chinas

Large type blood lines. Herd headed by the thousand pound Elkmere's Jumbo, assisted by O. U. Wonder, by Giant Wonder, by A. Wonder. Breeding stock for sale, reasonable. **Fred B. Caldwell, Howard, Kan.**

Original, Big-Spotted Polands

Fall gilts bred or open. Tried sows for sale. Spring pigs, either sex. Boar and gilt sale November 2.
Alfred Carlson, Cleburne, Kansas

Erhart's Big Type Polands

A few choice late fall males sired by Orphan Big Gun and Big Hadley Jr. Also a few late October pigs by the great 1200 pound Robidoux. Am now booking orders for spring pigs by these boars to be shipped in June. Send your order early. Address
A. J. Erhart & Sons, Ness City, Kan.

Private Sale

75 big type Poland China boars and gilts of March farrow. Nothing but good ones offered. No public sales. Prices right. Address
John Coleman, Denison, Ks. (Jackson County.)

HAMPSHIRE.**Shaw's Hampshires**

Boars ready for service. Spring pigs, either sex. Pairs and trios at reduced prices. All nicely belted. Satisfaction guaranteed. **WALTER SHAW, R.R. Wichita, Kan.**

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

land in that county and there are a great number of its settlers who saw Mr. Goddard's ad and took advantage of it, that have long since made good and are now independent. Mr. Goddard is now located in Loveland, Colo., where he has resided for the last five years and people dealing with him can feel that their interests will be safe and that they will receive a square deal. He is not much on the trading proposition, but has sold land for the last 30 years.—Advertisement.

Elkmere Farm Poland Chinas.

Fred B. Caldwell, Howard, Kan., proprietor of Elkmere Farm, is claiming for his annual fall sale date October 23. Fifty head of spring pigs is what he intends to sell and if they develop from now until sale day as they should this will be a sale of the large type Polands that breeders will be glad to attend. At the head of this herd and the sires of the offering are such sires as Elkmere's Jumbo, by Mammoth Jumbo, assisted by O. U. Wonder and C's Giant Wonder. Elkmere's Jumbo is a hog of splendid quality and in show shape will weigh more than a thousand pounds. If you want some of these spring pigs by him they can be bought reasonably. Write for particulars, mentioning the Farmers Mail and Breeze.—Advertisement.

Duroc-Jersey Bargain Prices.

John A. Reed of Lyons, Kan., is offering special bargains in Duroc-Jersey hogs. Included in the offering are some fine fall gilts, bred for September farrow and priced at \$25 each. They are sired by B. & C's Masterpiece, an 800-pound son of the three times champion B. & C's Col. These gilts are out of sows sired by Defender's Col. and Crimson Wonder. They are bred to Superba's Climax, by Perfect Col., by Prince of Cols, and out of Miss Superba, by Superba. It can be seen that the breeding of these litters is hard to beat. The quality is in keeping with the excellence of their pedigree. They are worth more than the price asked. Mr. Reed also is offering some tried sows, bred for September farrow, and a choice lot of fall boars sired by B. & C's Masterpiece. These boars are herd heading material and all priced to sell. If interested write Mr. Reed and mention the Farmers Mail and Breeze.—Advertisement.

N. Kansas and S. Nebraska**BY JOHN W. JOHNSON.**

Alfred Carlson, Cleburne, Kan., offers for sale big spotted Poland Chinas. He has fall gilts, bred or open, and some tried sows. Also spring pigs, either sex. He will hold a boar and gilt sale at Cleburne November 2.—Advertisement.

Dr. W. A. McCullough, Delavan, Kan., bought Shorthorns from leading herds last fall and winter and now has 27 breeding cows and a nice lot of spring calves. He has 50 Poland China spring pigs. He is building up two herds on his farm near Delavan.—Advertisement.

W. B. Hunt & Son, Blue Rapids, Kan., offer some choice Hereford bulls, big, rugged fellows coming 2 years old. They are out of choice big cows and are surplus bulls from the well known Hunt herd. The farm is about two miles north of town. Their advertisement appears regularly in the Marshall county livestock advertising section. Write them for prices and descriptions and mention the Farmers Mail and Breeze when you write.—Advertisement.

Choice Herd of O. I. C.

Chas. N. Snyder, Effingham, Kan., breeds O. I. C. hogs and offers for sale fall boars, fall gilts, open, and a few tried sows bred for September and the first of October farrow. Also spring pigs of both sexes. The writer was on Mr. Snyder's farm recently and knows that he has a choice herd of O. I. C. hogs. If interested write Mr. Snyder at once for descriptions and prices. Look up his advertisement in this issue of the Farmers Mail and Breeze.—Advertisement.

Pioneer Shorthorn Breeder.

D. Ballantyne & Sons, Herington, Kan., are among the pioneer breeders of Shorthorn cattle, having settled on the farm they now live on over 30 years ago and immediately embarking in the Shorthorn business. They have steadily improved their herd and today it is one of the strong herds in the West. They have over 40 spring calves this spring. They recently added a choice 2-year-old grandson of Choice Goods to their herd. Remember this herd when you want a bull.—Advertisement.

Three Jersey Bull Calves.

"Quivera Place" Jersey cattle and Duroc-Jersey hogs are being advertised again in the Farmers Mail and Breeze. E. G. Munsell is proprietor of "Quivera Place" and it is the nicest little home of 22 acres joining town you ever saw. Mr. Munsell is associated with his father in the First National Bank of Herington but with competent help and what he can do sortings and savings he is taking good care of his little ranch. At present he has for sale three choice young bulls, from 3 to 8 months old. Write him for prices and descriptions.—Advertisement.

Walnut Grove Durocs.

D. O. Bancroft, the big Duroc-Jersey breeder of Osborne, Kan., reports that he has 50 good March and April pigs. He will immune these by the double treatment about June 20 after which they will be ready for his customers. Mr. Bancroft has enjoyed good trade this season. He recently sold a fine boar pig to John McKinley of Humboldt, Kan. Mr. Bancroft raises a large number of pigs each year and sells the tops only for breeding purposes. He holds no public sales and the man who buys from him by mail order gets the best. If interested write him, mentioning the Farmers Mail and Breeze.—Advertisement.

Maplewood Farm Herds.

Mott & Sanborn, Herington, Kan., are breeders of Holstein cattle and Duroc-Jersey hogs. Maplewood Farm, the home of these herds, is located five miles south of Herington on the old Santa Fe auto trail. It is an ideal farm for breeding purposes and is equipped with modern buildings and an abundance of pasture and range. At present they are offering 20 last fall boars and 25 March boars. The fall boars are by I Can't Be Beat, by King Can't Be Beat, the 1,000-pound boar, so long at the head

Your Pick My Band 27 Blk, 3-4-5-Yr.-Old

Stallions, \$400; Your pick my band 18 blk. 2-yr-old stallions, \$300. Registered Percherons. Sound, big-boned, extra growthy. Sire black 2900 lb. Imported; dams mostly ton imported blacks. It's the peddler's profit that makes stallions dear; buyers can save hundreds of dollars by coming to this ranch for growers prices and big selection just above Kansas City. **Fred Chandler, Percheron Ranch, R. 1, Clinton, Mo.**

**HAMPSHIRE**

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

C. T. Drumm & Sons, Longford, Kan. Breeders of Hampshire and Spotted Polands. 4 Nov. Hampshire boars, \$15 each. Spring pigs, both sexes and breeds. 1 yr. bull. Address as above.

IMMUNE HAMPSHIRE

Boars, bred gilts, tried sows and weanlings. Cut prices for 30 days.
DR. E. G. L. HARBOUR, Baldwin, Kan.

For Hampshire Hogs, Dutch Belted Cattle, Arab Stallion COLLIE DOGS AND CATTLE. **WRITE C. W. WEISENBAUM, ALTAMONT, KANSAS.**

DUROC-JERSEYS.

Duroc Boars and Gilts September farrow \$20 each. Boar and gilt sale Nov. 10.
J. B. Duncan, Fluh, Ka. (Shipping Point, St. George, Mo.)

DUROCS 200 FALL and SPRING PIGS, both sex. Priced for quick sale. **ALEX C. HILL, Hope, Kansas**

TRUMBO'S DUROCS

Choice gilts, bred or open, sired by The Climax, by Climax A. out of the great sow, Doty; also a few fall boars. Spring pigs pairs and trios unrelated, priced reasonable, and satisfaction guaranteed. **Wesley W. Trumbo, Peabody, Ka.**

Walnut Grove Durocs

One herd boar, also several other boars. Spring pigs, either sex; also booking orders for bred sows. The Man with the Guarantee. **R. C. Watson, Altoona, Kan.**

Huston's Durocs

Special prices on 15 nice fall boars, the tops of our fall litters, sired by Country Gentleman 18241 and Golden Model 4th. 1911. All immune. **W. R. Huston, Americus, Ka.** Write today.

Ash Grove Durocs

Choice gilts, bred for September farrow. Fall and spring boars at farmers' prices. Everything guaranteed. **PAUL SWEENEY, BUCKLIN, KANSAS**

Rice County Herd Durocs

U need a boar—better buy him now. 7 fine Sept. boars, sired by Good Enuff's Chief Col. and Oley's Dream. From excellent dams. 80 spring pigs. Every hog immune. Write your wants today.
G. M. SHEPHERD, LYONS, KANSAS

Immune Bred Gilts \$25 Each

Ten classy fall gilts, bred for September farrow, also bred sows. Large easy feeders, very best of breeding. Fall boars ready for service.
JOHN A. REED, LYONS, KANSAS

BONNIE VIEW STOCK FARM

Spring pigs for sale, sired by Tat-A-Walla, Kant's Model Enough and A Critic; also three registered Holstein bulls, 6 months to 3 years old.
SEARLE & COTTE, BERRYTON, KANSAS

WOODDELL'S DUROCS

Herd headed by Rex E. Nuff by Good E. Nuff Again King and brother to Oley's Dream. Spring boars and gilts priced reasonable. Satisfaction guaranteed.
G. B. WOODDELL, WINFIELD, KANSAS

Duroc-Jerseys!

100 spring pigs \$10. Gilts with litters \$40.
Johnson Workman, Russell, Kan.

Maplewood Duroc-Jerseys

For Sale: 20 fall boars by I Can't Be Beat and 25 March boars by Gelman's Good Enuff by the 1914 grand champion, Good Enuff Again King. Every hog on farm immunized. **Mott & Sanborn, Herington, Kan.**

Howe's Durocs

Sows and gilts strong in the best blood of the breed and bred to my good herd boars. I am now ready to book orders for early spring pigs, pairs and trios unrelated. Priced where you will buy and be pleased. **J. U. HOWE, Route 8, Wichita, Kansas.**

Hillcrest Farm Durocs

30 October boars and gilts for sale. Also spring pigs, both sexes at weaning time. Popular breeding and popular prices. Give me a trial order.
DE. E. N. FARNHAM, HOPE, KAN. (Dickinson Co.)

Bancroft's Durocs**Immune Durocs**

We hold no public sales. Nothing but the best offered as breeding stock. Choice fall boars. Spring pigs at weaning time. Pairs and trios not related. Customers in 15 states satisfied. Describe what you want, we have it.
D. O. BANCROFT, OSBORNE, KANSAS

DUROCS \$10

Rose Comb Rhode Island Reds Bred from prize winners. 20 incubators and 7 colony brooder stores. 1000 young birds. Also MORRISSEY SHOOTING CATTLE. Shipping points: Conway, McPherson, Medora.

**HIGH GRADE and REGISTERED HOLSTEINS****OVER 100 HEAD OF COWS, HEIFERS AND BULLS.**

The sile 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 Ghrod, Towanda, Kansas**Percheron Stallion**

T. M. WILSON, LEBANON, KANSAS.

O. I. C. HOGS.

Herd Boar For Sale Gilts to farrow in July and open. Pigs, pairs and trios. **A. G. Cook, Luray, Kan.**

O. I. C. BRED SOWS and GILTS

A few tried sows and gilts bred for summer farrow; boars ready for service, pairs and trios not related. Best I ever offered. Very reasonable prices.
JOHN H. NEEF, BOONVILLE, MISSOURI

Pleasant Vale Herd O. I. C. Hogs

Tried sows bred for September and October farrow. Fall gilts for sale, open. Also a few fall boars. Spring pigs, both sexes. **Chas. N. Snyder, Effingham, Kan.**

TURNER'S CHESTER WHITES

June Prices: 550 spring pigs, white and growthy. White Rock and Chief Select breeding, \$15 each. Pairs \$25, Trios \$35. Buy early and save on express. One of the largest and best herds in the west. **Amos Turner, Wilber, Saline Co., Neb.**

Choice O.I.C. Pigs

AT REDUCED PRICES. Spring pigs, \$12 each, \$23 per pair; \$33 per trio. Bred gilts, \$20 to \$25 each. Have spring boars, no kin to gilts or their pigs. Bred sows, \$20 to \$35. My herd carries prize winning blood and represents the most popular strains in the country. Each individual guaranteed to satisfy.
F. J. GREINER, BILLINGS, MISSOURI

MULE FOOT HOGS.

Mule Foot Hogs Stock of all kinds for sale. More premiums won in 1912, 13 and 14 than any herd in the U. S. Write your wants. **ZENE G. HADLEY, Wilmington, O.**

Registered Mule Foot Hogs

Large, growthy kind. Some choice stock for sale. Write for prices. **Freeland & Hildwine, Marion, Kan.**

HEREFORDS.

Registered horned and double standard polled Hereford Bulls For Sale Also a few horned heifers. **JOHN M. LEWIS, LARNED, KAN.**

Homestead Stock Farm

We have a few extra fine Hereford Bulls for sale and twenty cows. Get our herd catalog. **J. J. EARLY, Box B-186, Baring, Mo.**

GALLOWAYS.

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.

Registered Galloways

25 bulls ready for service. 30 females all ages. The blood of the 2300 pound Carnot. **W. W. DUNHAM, Doniphan, (Hall County) Nebraska**

50 Galloway Bulls

SMOKY HILL RANCH Yearling and two years old. Best of breeding and a grand lot of individuals. Write for prices and descriptions.
E. J. GUILBERT, Wallace, Kans. MAIN LINE UNION PACIFIC

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

BEST OF BLOOD LINES and cattle that will please you. Cows, heifers and young bulls, at attractive prices.
I. W. FOULTON, MEDORA, KAN.

POLLED DURHAMS.

Double Standard Polled DURHAMS Six yearling bulls. A number of under yearling bulls. 2 good French draft stallions and some jacks. **C. M. HOWARD, Hammond, Mo.**

SHORTHORNS.

Shorthorn Bulls For Sale!
1 two-year-old, 4 yearlings and 1 long yearling. Reds and roans. L. M. Noffsinger, Osborne, Kan.

Pure Bred Dairy Shorthorns
Double Marys (Flatcreek strain) and Rose of Sharon families. Registered Poland Chinas. Breeding stock for sale. Address R. M. ANDERSON, Beloit, Kansas.

For Sale 20 Shorthorn Bulls
18 to 25 months old. Mostly by a splendid grandson of Choice Goods. United States Gypsum Co., Blue Rapids, Ks. (On the E. R. Morgan Farm.)

Shorthorn Bull
Fine roan, 14 months old, Pure Scotch. C. E. HILL, Toronto, Kansas

SHORTHORNS
Herd bull, service bulls, bull calves and a few females. Prices reasonable. KELLEY BROS., GARDNER, KANS.

ABERDEEN-ANGUS.

Aberdeen Angus Cattle
Herd headed by Louis of Viewpoint 4th, 150024, half brother to the Champion cow of America. Johnson Workman, Russell, Kan.

ABERDEEN-ANGUS CATTLE

Young stock sired by reliable herd bulls for sale, singly or in car lots. See our herd of cows and show herd at Lawrence or write us. Phone, Bell 8454. Sutton & Porteous, Route 6, Lawrence, Kan.

DAIRY CATTLE.

HOLSTEINS Bull calves better than the common run. Two ready to use. H. B. COWLES, TOPEKA, KANSAS.

REGISTERED HOLSTEINS 1 yearling and one five months old bull, by Shadybrook Gerben Sir Korndyke. Write for further information. BEN SCHNEIDER, Nortonville, Kas.

QUIVERA PLACE JERSEY CATTLE
Duroc-Jerseys. 3 young bulls of choice breeding for sale. Address E. G. MUNSELL, Herington, Kansas.

MAPLEWOOD HOLSTEINS
Herd headed by Canary Butter Boy King. You are invited to visit our herd of Holsteins. Write for general information, as to what we have for sale. Mott & Seaborn, Herington, Kansas

HOLSTEIN BULLS—DUROC-JERSEYS
Holstein bulls, six months to 3 years old. Also fall gilts. Very reasonable prices. Bonnie View Stock Farm, Berryton, Kansas, or 1429 Topeka Ave., Topeka, Kansas.

Maplehurst Guernseys!
Choice registered and grade cows and heifers for sale. A registered herd bull for sale or trade. A. P. BURDICK, NORTONVILLE, KANSAS

LINSCOTT JERSEYS
Premier Register of Merit Herd, Est. 1878. For sale at farmers prices noted Golden Fern, herd bull of proven quality. Greatest official butter tests. R. J. LINSCOTT, HOLTON, KANSAS

SUNFLOWER HERD HOLSTEIN-FRIESIANS
Young service bulls and bull calves from A. R. O. dams at prices never before offered. F. J. Searle, Okaloosa, Kan.

HOLSTEIN CATTLE All females available sold. Have nothing to offer now but bull calves from a few weeks to four months old. The calves are from good producing dams, some giving as much as 70 pounds of milk a day. T. M. EWING, Independence, Kan.

Higginbotham's Holsteins
A few choice registered young bulls for sale at prices that are right. HIGGINBOTHAM BROS., ROSSVILLE, KAN.

TREDICO HOLSTEINS!
Registered Herd each individual will make 8000 pounds as 2-year-old or equivalent. Head of herd has nearest 7 dams that average 22.32 pounds butter in 7 days. Bull calves to sell that are right. GEO. C. TREDICK, KINGMAN, KANSAS

PURE BRED HOLSTEINS
Herd headed by Sir Juliana Grace DeKol. Dam, semi-official record one year, milk 22.087 pounds, butter 924 pounds. Sire's dam, semi-official record, one year as three year old, butter 1,026 pounds; three years consecutive 3,000 pounds. Bull calves for sale. SHULTHIS, ROBINSON & SHULTZ, Independence Kan.

GUERNSEYS
SOLD OUT Will have some choice young males and females to offer about August 1, 1915. Acordial invitation is extended to anyone wishing to visit the farm. OVERLAND GUERNSEY FARM, OVERLAND PARK, KANSAS
8 miles from Kansas City on the Strong Electric Line.

of the Rinehart herd at Smith Center. The 25 March boars are by Geiman's Good Enuff, by the 1914 grand champion, Good Enuff Again King. Look up their Duroc-Jersey advertisement in this issue and write them. The Holstein herd is headed by Canary Butter Boy King. In the ownership of this great bull they have associated with them a number of well known Holstein breeders, the object being to give him a better chance for A. R. O. daughters. The first six daughters of this great bull were A. R. O. cows and he is from a 24 pound dam. His sire was the great Pontiac Butter Boy, with 56 A. R. O. daughters and seven proven sires. Write them about young stock.—Advertisement.

N. Missouri, Iowa and Illinois

BY ED. R. DORSEY.

We recently visited the splendid herd of Poland Chinas owned by L. R. McClarnon, Braddyville, Iowa, and it was indeed a pleasure to see this collection of great sows. Of course, Big Orange is very largely represented in this herd but there are splendid daughters of Colossal, Jumbo Prospect, Beauty's Jumbo, A Wonder, Black Big Bone, Hercules, A Big Orange and several other great hogs. His two main herd hogs are Hercules and Big Wonder Jumbo. Hercules is sired by Big Ben, a full brother to Fesenmeyer's Big Joe, both being sired by Smooth Price and out of Mammoth Glantess. This hog certainly has plenty of size and is making a splendid reputation as a breeder. Big Wonder Jumbo is a son of the Iowa State Fair grand champion, Jumbo Price. This young hog is out of Smooth Price Lady, a daughter of Big Wonder. A very prominent breeder in Iowa told me that he believed Big Wonder Jumbo would make the largest and best hog in the state and when he was sold at the sale as a pig for \$380 to Mr. McClarnon that he was sure this was the best pig he had seen anywhere. Mr. McClarnon is well liked everywhere and his hogs are known not only in Iowa but many other states for their extreme size and splendid quality. He has a very nice lot of spring pigs and at least 10 fall males. Two are by Big Orange; one will be kept on the farm.—Advertisement.

Nebraska

BY JESSE R. JOHNSON.

Amos Turner of Wilber, Neb., offers for sale 250 spring pigs of the Chester White breed. They represent the very best breeding and are excellent individuals. Present prices are \$15 each, or pairs not related \$25, but these prices will advance now within a short time. Better write at once. Mention this paper when writing.—Advertisement.

Announce Their Poland Sale.

H. J. Beall of Roca, Neb., and Wisel Brothers of the same place announce a bred sow sale to be held in the sale pavilion in Roca on February 3. Mr. Beall is the same man that belonged to the firm of Beall & Jackson, which fact is within itself a sufficient guarantee that his part of the offering will be fully up to the standard. The Wisel Brothers have bred the big Polands now for years and at this time have at the head of the herd a pair of the biggest boars that can be found anywhere in the state. They report the pigs doing well and say they will have an extra good offering sale day.—Advertisement.

Lonergan's Poland Chinas.

D. C. Lonergan, Florence, Neb., one of the very best known Poland China breeders of the West, claims January 18 as the date for his annual bred sow sale. The Lonergan herd was founded 25 years ago and has produced as many great animals as any herd west or east. Big Ursus, the leading herd boar, was grand champion at Nebraska State Fair last year. He is a 1,000-pound sire and a grandson of Big Mischief, twice a first prize winner at Nebraska State Fair. Mr. Lonergan also showed Big Type Girl, the grand champion sow at Iowa State Fair last year. Several years ago Guy's Price 2d was bought and placed at head of the herd. He was a boar of great size and smoothness. He became famous as a sow sire, many of his daughters and granddaughters developing into prize winners. Big Victor was the next boar of note and his sons have headed many of the best herds during the past half dozen years. The Lonergan kind is in demand wherever good hogs are appreciated and breeders and farmers that know Mr. Lonergan best praise his hogs most.—Advertisement.

S. E. Kan., S. Mo. and E. Okla.

BY C. H. HAY.

Sutton Farm Angus Cattle.

Chas. E. Sutton and Geo. A. Porteous, proprietors of the Sutton Farm herd of Aberdeen Angus cattle, have been enjoying a splendid trade recently. Their latest sales include their show bull Wakarusa Heatherson 7th and three females to the A. & M. College at Stillwell, Okla.; a carload of heifers to Andrew F. Todd of Murfreesboro, Tenn.; a Blackbird bull calf and seven heifers to Stiffy Brothers of Mound Valley, Kan.; and five heifers and a bull calf to Dr. E. H. Liston of Cedar Springs, Mo. These sales take practically all of the females this firm has to offer at this time. They still have 30 high class bulls which they are anxious to move soon. If interested write Sutton & Porteous, Route 6, Lawrence, Kan., and mention the Farmers Mail and Breeze.—Advertisement.

Sutton Farm Berkshires.

The greatest Berkshire winners of 1914 came from the Sutton Farm herd. This herd was shown at five of the leading state fairs last year and won over 100 championships, firsts and seconds. This includes the grand champion boar at each show. This herd not only produced the sensational winners of 1914, but for the past several years, the Sutton Farm Berkshires have succeeded in landing the majority of the ribbons wherever shown. Their 1,000-pound Duke's Bacon 8th was the sensation of the shows last year. This farm makes a specialty of herd headers, foundation stock and show herd material. They are especially strong at this time on service boars. If interested write them today, mentioning the Farmers Mail and Breeze.—Advertisement.

Marshall Co. Pure Bred Stock Breeders

Nothing but first class animals offered for sale for breeding purposes. It is economy to visit herds located in one locality. For the best in purebred livestock write these breeders or visit their herds.

HEREFORD CATTLE.

Willowbrook Farm Herefords Yearling and two-year-old heifers for sale. Also a choice lot of young bulls. B. M. WINTER, IRVING, KANSAS

HEREFORDS—POLANDS Herds established 30 years. 125 Herefords, 90 spring pigs, and 18 bulls, 11 to 15 months old, for sale. S. W. TILLEY, IRVING, KANSAS

Sedlaeck Herefords! A nice lot of young bulls for this fall's trade. Address, JAS. F. SEDLAECK, BLUE RAPIDS, KAN.

PRESTON HEREFORDS Herd established in 1881. Come to Marshall county for Herefords. Address F. W. PRESTON, Blue Rapids, Kansas

Choice Two-Year-Old Bred Heifers and a Feb. bull for sale. Also 10 spring bulls. Address, GEO. E. MILLER, Blue Rapids, Kansas

B. E. & A. W. Gibson, Blue Rapids, Kas. Breeders of Hereford cattle. For sale: a good 10 months old bull and some choice young bulls. Address as above.

Home of Parsifal 24th Write me about a good herd bull. 25 spring bulls for this fall's trade. C. G. STEELE, BARNES, KANSAS

FIVE YEARLING BULLS FOR SALE! 12 spring bulls for the fall trade. For prices and descriptions address, Tom Wallace, Barnes, Kansas

Wm. Acker's Herefords! About 25 spring bulls for this fall and winter trade. Address WM. ACKER, Vermillion, Ks.

Clear Creek Herefords— Choice last March bulls for fall and winter trade. 30 breeding cows in herd. J. A. SHAUGHNESSY, Astell, Kansas

7 Bulls For Sale Coming two years old. Big and rugged. Farm two miles out. W. B. HUNT & SON, Blue Rapids, Kansas

DAIRY CATTLE.

For Sale—4 Jersey Bulls sired by Lorne, out of St. Lambert bred cows. Ready for service. C. H. MILLS, Waterville, Kansas

Working Jerseys Golden Fern's Last Time in service. Young bulls all ages out of record dams. Fawn colors. JOE KRASNY, WATERTVILLE, KAN.

JERSEY BULL By a grandson of Golden Fern's Lad, out of a 500 pound cow. Price \$50. Duroc-Jersey spring pigs for sale. B. N. WELCH, Waterville, Kansas.

HOLSTEINS Cows and heifers for sale. Registered and grade. Address LACKLAND BROS., AXTELL, KANSAS

SHORTHORN CATTLE.

Dr. P. C. McCall, Irving, Kansas Short-horns. For sale: One 10 months old pure Scotch bull and one 18 months old Scotch topped bull. Write for prices.

Eight Bulls reds and roans, 6 to 18 months old. Scotch and Scotch topped. Write for prices. G. F. HART, Summerfield, Ks.

Shorthorns, Polands 1 yr. bull for sale. 1 tried and April boars. A. B. Garrison & Son, Summerfield, Kansas

10 Shorthorn Bulls 5 yearlings in September. Write for prices. H. A. BERENS, SUMMERFIELD, KANSAS

HAMPSHIRE HOGS.

Registered Hampshires Weanling pigs, \$10 each; pairs not related. Satisfaction guaranteed. F. B. WEMPE, Frankfort, Kan.

POLAND CHINA HOGS.

Albright's Polands For Sale, Jan. 10, 1915. 10 sows and gilts, 12 last fall gilts, 34 March and April boars and gilts. A. L. ALBRIGHT, WATERTVILLE, KAN.

COPELAND'S POLANDS For Sale: 14 Sept. gilts bred to your order. 40 March and April pigs. Address N. E. COPELAND, Waterville, Kansas

DUROC-JERSEY HOGS.

Red Polls, Duroc-Jersey, and O. I. C. hogs. Boars of both breeds at reasonable prices. Bred sow sale, Feb. 24. J. M. LAYTON, IRVING, KAN.

10 September Gilts bred for fall farrow, a few boars and gilts by Illustrators, 40 March and April pigs. B. F. SKADDEN & SON, Frankfort, Kansas

W. J. HARRISON AXTELL, KAN. Red Polled cattle, Duroc-Jerseys and white Leghorns. Breeding stock for sale. Correspondence invited.

Bred Sows and Gilts for Sept. and Oct. Farrow. A nice lot of March and April pigs. Address HOWELL BROS., HERKIMER, KANS.

FANCY POULTRY.

Plymouth Rocks Barred (Thompson strain) and white. Stock for sale. Eggs in season. Address JOHN BYRNE, Axtell, Kansas

AUCTIONEERS.

S. B. CLARK, SUMMERFIELD, KANS. AUCTIONEER. Write or phone for dates, address as above.

Jesse Howell, Herkimer, Kan. of Howell Bros., breeders of Durocs and Herefords can make you money on your next sale. Write for dates.

B. F. WEMPE, FRANKFORT, KANSAS I specialize in Pure Bred Stock and general farm sales.

LOOKABAUGH'S SHORTHORNS

300 Head From Which to Select—60 Head Must Sell Next 60 Days

20 Extra Good Young Bulls and 40 Fine Young Heifers, 14 to 18 Months Old.

We guarantee satisfaction and any time within 12 months when you buy two or more of these Shorthorns and feel you have bought them too high ship them back and get your money. 6 to 9 months' time if required. A written guarantee will also be given to pay you 50 per cent of purchase price of any female for her calf at a year old. We have recently purchased Fair Acre Sultan, by White Hall Sultan and 40 head of richly bred cows and heifers from the best herds of the north and east, to mate with him and our other herd bulls and hence this summer sale of Shorthorns to make room for them.

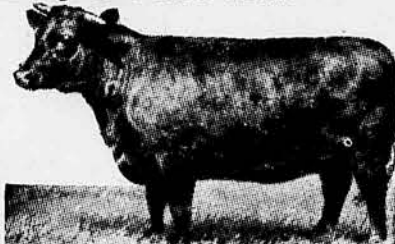
Every day, right now, is bargain day at Pleasant Valley Stock Farm. If you have been planning to give us a visit come soon. Write, phone or wire when to meet you.

H. C. LOOKABAUGH, WATONGA, OKLAHOMA



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 Odele and other noted sires. If you want Shorthorns come now. Write, wire or phone me when to meet you at Peabody either Rock Island or Santa Fe Depot.

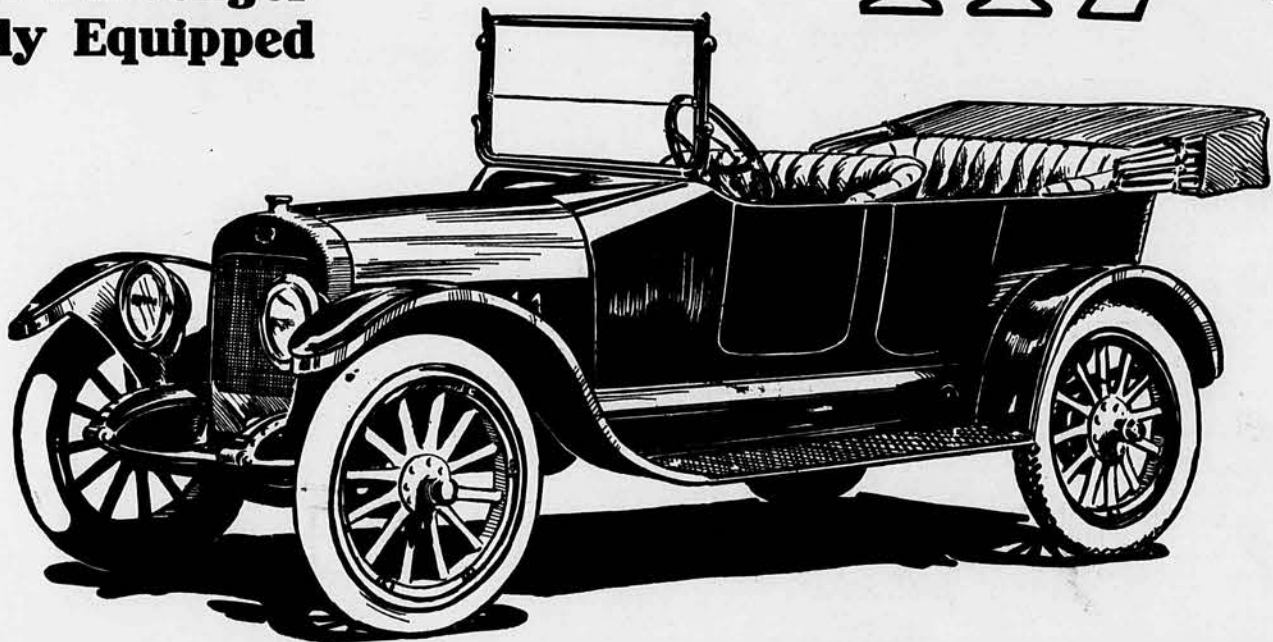
M. S. CONVERSE, Peabody, Kansas

When writing to advertisers mention the Farmers Mail and Breeze.

**Six Cylinder
35 Horse-Power**

**Five Passenger
Fully Equipped**

\$1170



**Here's A Western Car For Western Folks—
A Car of Fine Appearance and Sturdy Strength!**

After three years careful planning and experimenting, we are pleased to offer to our western friends a car made here in the West and expressly designed to meet their needs. This is the "Jones Six"—a car of such wonderful and such easily demonstrated value that it is fast proving itself the sensation in automobile circles. Every engineer or automobile expert who has examined the "Jones Six" has found in this car the most

surprising automobile value that has ever been offered for anything like the price.

No matter what your preference may be as to the qualities and features which make your ideal car, we want to offer you this money-making suggestion: **Do not fail to consider the "Jones Six" and put it to the strongest possible quality-proving test before you invest in a six of any other make.** This investigation will result in a net saving to you of several hundred dollars.

**"The Six That
Stands the Test"**

The "Jones Six" is not a car expensively made in some particulars and cheaply in others, the usual weakness in low-priced cars. Uniformity is law in construction of the "Jones Six." Every piece of material and every part of the mechanical work used in the building of the "Jones Six" is of the highest grade. The finished product of this quality combination is a machine which for **appearance, speed and durability** we will back against any make regardless of price.

We unhesitatingly claim—and we ask you for an opportunity to prove our claim—that the "Jones Six" is the **Six of Supreme Value!**

Jones Six

**"The Six of
Supreme Value"**

The only way in which you can know the many superior qualities of the "Jones Six" is to **see the car, ride in it and drive it yourself.** The strongest selling talk that can be made in behalf of the "Jones Six" is the selling talk it makes for itself by its own performance.

We simply ask the privilege of demonstrating the "Jones Six." Get in touch with our agency in your section at once. If we do not have an agent there, write us at once. There is a money-making business opportunity open. We will be glad to send you free illustrated literature and will see that a demonstration of the "Jones Six" is provided without inconvenience or expense.

See Our Local Agent or Write for Free Illustrated Literature.

THE JONES MOTOR CAR COMPANY

208 W. Douglass Avenue, Wichita, Kansas